EXPRESSCLUSTER X 5.2 for Windows
Command Reference Guide for Cluster Configuration

Release 2

NEC Corporation

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CHAPTER

ONE

PREFACE

1.1 Who Should Use This Guide

EXPRESSCLUSTER® X Command Reference Guide for Cluster Configuration is intended for system engineers who introduce EXPRESSCLUSTER-based cluster systems, and system administrators who maintain and operate the introduced cluster systems. The guide describes how to create clp.conf (a cluster configuration data file) by using command lines.

1.2 How This Guide is Organized

- 2. *Command reference* : Provides an overview of commands for creating cluster configuration data.
- 3. *Creating a cluster* : Describes the procedure for creating clusters.
- 4. *Setting cluster properties* : Describes the procedure for setting cluster properties.
- 5. *Configuring a server* : Describes the procedure for configuring servers.
- 6. *Configuring a group* : Describes the procedure for configuring groups.
- 7. *Configuring group resources* : Describes the procedure for configuring group resources.
- 8. *Configuring monitor resources* : Describes the procedure for configuring monitor resources.
- 9. *Retrieving an encrypted password string* : Describes the procedure for getting an encrypted string necessary for setting a password.

1.3 EXPRESSCLUSTER X Documentation Set

The EXPRESSCLUSTER X manuals consist of the following four guides. The title and purpose of each guide is described below:

EXPRESSCLUSTER X Getting Started Guide

This guide is intended for all users. The guide covers topics such as product overview, system requirements, and known problems.

EXPRESSCLUSTER X Installation and Configuration Guide

This guide is intended for system engineers and administrators who want to build, operate, and maintain a cluster system. Instructions for designing, installing, and configuring a cluster system with EXPRESSCLUSTER are covered in this guide.

EXPRESSCLUSTER X Reference Guide

This guide is intended for system administrators. The guide covers topics such as how to operate EXPRESSCLUSTER, function of each module and troubleshooting. The guide is supplement to the *Installation and Configuration Guide*.

EXPRESSCLUSTER X Maintenance Guide

This guide is intended for administrators and for system administrators who want to build, operate, and maintain EXPRESSCLUSTER-based cluster systems. The guide describes maintenance-related topics for EXPRESSCLUSTER.

1.4 Conventions

In this guide, **Note**, **Important**, **See also** are used as follows:

Note: Used when the information given is important, but not related to the data loss and damage to the system and machine.

Important: Used when the information given is necessary to avoid the data loss and damage to the system and machine.

See also:

Used to describe the location of the information given at the reference destination.

The following conventions are used in this guide.

Convention	Usage	Example
italic	Indicates that users should replace italicized part with values that they are actually working with.	`clpcfadm.py add mon <Monitor resource type> <Monitor resource name>`

1.5 Contacting NEC

For the latest product information, visit our website below:

https://www.nec.com/global/prod/expresscluster/

CHAPTER

TWO

COMMAND REFERENCE

2.1 clpcfadm.py command

This command generates clp.conf, a cluster configuration data file.

Command line

- clpcfadm.py {create} clustername charset [-e encode] [-s serveros]
- clpcfadm.py {add} srv servername priority
- clpcfadm.py {add} hba servername id portnumber deviceid instanceid
- clpcfadm.py {add} device servername type id info [extend]
- clpcfadm.py {add} forcestop env
- clpcfadm.py {add} hb lankhb deviceid priority
- clpcfadm.py {add} hb witnesshb deviceid priority host
- clpcfadm.py {add} np disknp deviceid priority extend
- clpcfadm.py {add} np pingnp deviceid priority groupid listid ipaddress
- clpcfadm.py {add} np httpnp deviceid priority [--host host]
- clpcfadm.py {add} np majonp deviceid priority
- clpcfadm.py {add} grp grouptype groupname
- clpcfadm.py {add} rsc groupname resourcetype resourcename
- clpcfadm.py {add} rscdep resourcetype resourcename dependresourcename
- clpcfadm.py {add} mon monitortype resourcename
- clpcfadm.py {del} srv servername
- clpcfadm.py {del} hba servername id
- clpcfadm.py {del} device servername id
- clpcfadm.py {del} forcestop
- clpcfadm.py {del} hb lankhb deviceid
- clpcfadm.py {del} hb witnesshb deviceid
- clpcfadm.py {del} np disknp deviceid
- clpcfadm.py {del} np pingnp deviceid
- clpcfadm.py {del} np httpnp deviceid

- clpcfadm.py {del} np majonp deviceid
- clpcfadm.py {del} grp groupname
- clpcfadm.py {del} rsc groupname resourcetype resourcename
- clpcfadm.py {del} rscdep resourcetype resourcename
- clpcfadm.py {del} mon monitortype resourcename
- clpcfadm.py {mod} -t [tagname] [--set parameter] [--delete] [--nocheck]

Option

- **--backup** This option can be used with any of the above command lines.
  Using this option allows you to create clp.conf.bak (a backup of clp.conf before command execution) in the current directory.
  If clp.conf.bak already exists in the current directory, executing a command with this option overwrites the file.

  Note: Not existing in the current directory, clp.conf.bak is created by executing a command with or without this option.

Return value

0	Success
Other than 0	Failure

System requirements

Software	Version	Remarks
Python	3.6.8 or later	

Notes

- Run the command as an administrator.
- Run the command with clp.conf placed in the current directory.
- This command generates only clp.conf among cluster configuration data files.
  You must manually create script files for such resources as script resources and custom monitor resources.

  Example For placing script files of a script resource (script1) belonging to a failover group (failover1), and of a custom monitor resource (genw1)

```
scripts
 +--failover1
 |   +--script1
 |          start.bat
 |          stop.bat
 |
 +--monitor.s
     +--genw1
            genw.bat
```

- This command does not automatically add monitor resources which are automatically added by adding

group resources through Cluster WebUI or Cluster WebUI Offline.
To add the monitor resources, see "Monitor resource that must be added" of the following table:

Group resource	Monitor resource that must be added
Application resource	Application monitor resource
AWS DNS resource	AWS AZ monitor resource
AWS Elastic IP resource	AWS Elastic IP monitor resource
AWS Virtual IP resource	AWS Virtual IP monitor resource
Azure DNS resource	Azure DNS monitor resource
Azure probe port resource	Azure load balance monitor resource Azure probe port monitor resource
CIFS resource	CIFS monitor resource
Dynamic DNS resource	Dynamic DNS monitor resource
Floating IP resource	Floating IP monitor resource
Google Cloud Virtual IP resource	Google Cloud load balance monitor resource Google Cloud Virtual IP monitor resource
Hybrid disk resource	Hybrid disk TUR monitor resource Hybrid disk monitor resource
Mirror disk resource	Mirror disk monitor resource
Oracle Cloud DNS resource	Oracle Cloud DNS monitor resource
Oracle Cloud Virtual IP resource	Oracle Cloud load balance monitor resource Oracle Cloud Virtual IP monitor resource
Registry synchronization resource	Registry synchronization monitor resource
Disk resource	Disk TUR monitor resource
Service resource	Service monitor resource
Virtual computer name resource	Virtual computer name monitor resource
Virtual IP resource	Virtual IP monitor resource

- To apply the cluster configuration data file to an operating cluster, run the clpcfctrl command.

Error Messages

Message	Cause/Solution
Log in as Administrator.	Run the command as an administrator.
'%1' is not found.	The file (%1) is not found.
The specified object does not exist. '%1'	The specified object (%1) does not exist.
The specified element '%1' does not exist in '%2'.	The specified element (%1) does not exist in %2.
The specified path does not exist in a config file.	The specified path is not included in the cluster configuration data.
Invalid config file. Use the 'create' option.	Execute this command with the create option.
The config file already exists.	The cluster configuration data already exists.
Non-configurable elements specified.	The tag name cannot be specified.

Continued on next page

Table 2.4 – continued from previous page

Message	Cause/Solution
Invalid value specified. Specify as follows: <resource type>@<resource name>	Specify a value in the form of <type of group resource>@<name of group resource>.
Invalid path specified.	The specified path is invalid.
Cannot register a '%1' any more.	%1 has already reached the upper limit of registration.
The following arguments are required :%1	Specify %1.
Argument %1: allowed only with argument '%2'	The %1 option is effective only with %2.
Argument %1: invalid choice: '%2' (choose from %3)	%2 specified in %1 is invalid. Choose a value from %3.
Argument %1: invalid value: '%2' (The value must be in the range [%3, %4])	%2 specified in %1 is invalid. Specify a numeric value between %3 and %4.
Argument %1: invalid value: '%2' (The length must be less than %3)	%2 specified in %1 is too long in the string. Shorten it to less than %3.
Argument %1: '%2' already exists.	%2 already exists in %1.
Argument %1: '%2' does not exist.	%2 does not exist in %1.
Argument %1: cannot specify a dependency to the same object.	%1 specifies dependency on the same object. Specify a different object.
Argument %1: does not appear to be an IPv4.	%1 is invalid. Specify it in IPv4 format.
Invalid value: '%1' (The value must be greater than 0)	%1 is invalid. Specify a numeric value greater than 0.

2.2 clpencrypt command

Encrypts a character string.

Command line

```
clpencrypt <password (plaintext)>
```

Return value

0	Success
Other than 0	Failure

Example of Execution

- Encrypt a password string.

```
Execute: clpencrypt <password (plaintext)>
Output: <Encrypted password>
```

```
Execution example: clpencrypt password
Output example: 20220001111abaabdbb35c04
```

Error Messages

Message	Cause/Solution
Invalid parameter.	The parameter is invalid. Check if there is any error in its format or parameter.

2.3 clpdiskctrl command

This command sets or gets a GUID of or HBA information on a drive.

Command line

```
clpdiskctrl {set|--set} filter <Drive letter>
clpdiskctrl {get|--get} guid <Drive letter>
clpdiskctrl {get|--get} hda <Drive letter>
```

Return value

0	Success
Other than 0	Failure

Example of Execution

- Set an HBA filter by specifying the drive.

```
Execute: clpdiskctrl set filter <Drive letter>
Output: Command succeeded.

Execution example: clpdiskctrl set filter R:\
Output example: Command succeeded.
```

- Get a GUID by specifying the drive.

```
Execute: clpdiskctrl get guid <Drive letter>
Output: <GUID>
```

```
Execution example: clpdiskctrl get guid R:\
Output example: b7131c40-1f5a-46d0-ab51-57af15478ba3
```

- Get HBA information by specifying the drive.

```
Execute: clpdiskctrl get hba <Drive letter>
Output: <Port Number> <HBA device ID> <HBA instance ID>
```

```
Execution example: clpdiskctrl get hba R:\
Output example: 4 ROOT\ISCSIPRT 0000
```

Notes

Run the command as an administrator.

Error Messages

Message	Cause/Solution
Log in as Administrator.	Run the command as an administrator.
Invalid parameter.	The parameter is invalid. Check if there is any error in its format or parameter.
Drive not found.	The specified drive is not found. Check if you have specified the right drive.
Device no info.	Failed to obtain the device data. Check if the disk functions normally.

Continued on next page

Table 2.8 – continued from previous page

Message	Cause/Solution
Specify the data drive.	Specify other than the Windows system drive (usually C:).
Failed to set filter.	Failed to set the filter.
Internal error.	Check if the memory or OS resource is sufficient.

CHAPTER

THREE

CREATING A CLUSTER

Be sure to set the following items. For details, see "*Setting cluster properties*".

Item (mandatory)
Cluster name
Language
Server settings[1]
Interconnect settings[2]
Monitor resource (user mode monitor) settings[3]

```
# Create a cluster
clpcfadm.py create <Cluster name> <Language>

# Add a server
clpcfadm.py add srv <Server name> <Priority>

# Add an interconnect (kernel mode)
clpcfadm.py add hb lankhb <Device ID> <Priority>
clpcfadm.py add device <Server name> lan <Device ID> <IP Address>

# Add a monitor resource (user mode monitor: keepalive)
clpcfadm.py add mon userw userw
clpcfadm.py mod -t monitor/userw@userw/target --set "" [4]
clpcfadm.py mod -t monitor/userw@userw/relation/name --set LocalServer␣
↪--nocheck
clpcfadm.py mod -t monitor/userw@userw/relation/type --set cls --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

[1] For details, see "*Adding a server*".
[2] For details, see "*Interconnect*".
[3] For details, see "*Adding a user mode monitor resource*".
[4]

Note: In the path of a user mode monitor resource, always set an empty value.

CHAPTER

FOUR

SETTING CLUSTER PROPERTIES

4.1 Basic information

- Cluster name (Within 31 bytes)

  ```
  clpcfadm.py mod -t cluster/name --set <Cluster name>
  ```

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t cluster/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

- Language

Language	Value
English	ASCII
Japanese	SJIS
Chinese	GB2312

```
clpcfadm.py mod -t all/charset --set <Value>
```

4.2 Interconnect

Heartbeat I/F

Add

Important: Set at least one LAN heartbeat (kernel mode).

Note:

With only one heartbeat interface, specify 0 for Priority.
With more than one heartbeat interface, specify consecutive numbers (e.g., 0, 1, 2...).

Kernel mode

```
clpcfadm.py add hb lankhb <Device ID> <Priority>
clpcfadm.py add device <Server name> lan <Device ID> <IP Address>
```

Note:

With only one LAN heartbeat (kernel mode), specify 0 for Device ID.
With more than one LAN heartbeat (kernel mode), specify consecutive numbers (e.g., 0, 1, 2...).

Witness

```
clpcfadm.py add hb witnesshb <Witness device ID> <Priority> <IP␣
↪Address : Port Number>
clpcfadm.py add device <Server name> witness <Device ID> <Use/Not␣
↪use> <IP Address : Port Number>
```

Note: Set Use/Not use to 1(if you use the device) or 0 (if not).

Note:

With only one Witness, specify 0 for Witness Device ID.
With more than one Witness, specify consecutive numbers (e.g., 0, 1, 2...).

- Use SSL

Use SSL	Value
Use	1
Do not use (default)	0

```
clpcfadm.py mod -t heartbeat/witnesshb@witnesshb1/ssl/use␣
↪--set <Value>
```

- Use Proxy

Use Proxy	Value
Use	1

Continued on next page

Table 4.3 – continued from previous page

Use Proxy	Value
Do not use (default)	0

```
clpcfadm.py mod -t heartbeat/witnesshb@witnesshb1/proxy/use␣
↪--set <Value>
```

- HTTP Timeout (sec)
  Default, 10 (minimum, 1; maximum, 9999)
  ```
  clpcfadm.py mod -t heartbeat/witnesshb@witnesshb1/http_
  ↪timeout --set <Value>
  ```

MDC

To configure an MDC, which is dedicated to mirroring communication, set as follows:

```
clpcfadm.py add device <Server name> mdc <Device ID> <IP Address>
```

Note:

With only one MDC, specify 0 for Device ID.
With more than one MDC, specify consecutive numbers (e.g., 0, 1, 2...).

Delete

Kernel mode

```
clpcfadm.py del hb lankhb <Device ID>
clpcfadm.py del device <Server name> <Device ID>
```

Witness

```
clpcfadm.py del hb witnesshb <Device ID>
clpcfadm.py del device <Server name> <Device ID>
```

Important: For Device ID, specify the total of the following: 700 + the value specified in "Add" in this section.

```
# Add
clpcfadm.py add hb witnesshb 0 <Priority>
clpcfadm.py add device <Server name> witness 0 <Use/Not use>
↪<Target IP address : Port Number>

# Delete
clpcfadm.py del hb witnesshb 700
clpcfadm.py del device <Server name> 700
```

MDC

To delete an MDC, which is dedicated to mirroring communication, set as follows:

```
clpcfadm.py del device <Server name> <Device ID>
```

Important: For Device ID, specify the total of the following: 400 + the value specified in "Add" in this section

```
# Add
clpcfadm.py add device <Server name> mdc 0 <IP Address>

# Delete
clpcfadm.py del device <Server name> 400
```

Server Down Notification

- Server Down Notification

Server Down Notification	Value
Notify (default)	1
Do not notify	0

```
clpcfadm.py mod -t cluster/downnotify --set <Value>
```

Detailed Settings (Server Down Notification)

– Server Reset Notification

Server Reset Notification	Value
Notify	1
Do not notify (default)	0

```
clpcfadm.py mod -t cluster/dyingnotify/use --set <Value>
```

Note: Set as above with "Server Down Notification" set to "Notify".

∗ Execute Server Alive Check

Execute Server Alive Check	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t cluster/dyingnotify/precheck/use␣
↪--set <Value>
```

Note: Set as above with "Server Reset Notification" set to "Notify".

· Timeout (sec)
Default, 1 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t cluster/dyingnotify/precheck/ping/
↪timeout --set <Value>
```

Note: Set as above with "Execute Server Alive Check" set to "Check".

4.3 Fencing

4.3.1 NP resolution

Add

Note:

With only one NP resolution, specify 0 for Priority.
With more than one NP resolution, specify consecutive numbers (e.g., 0, 1, 2...).

DISK

```
clpcfadm.py add np disknp <Device ID> <Priority>
clpcfadm.py add device <Server name> disknp <Device ID> <Volume ID>
↪<Device path>
```

Note:

With only one NP resolution (DISK), specify 0 for Device ID.
With more than one NP resolution (DISK), specify consecutive numbers (e.g., 0, 1, 2...).

- IO Wait Time (sec)

  Default, 80 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t networkpartition/disknp@<disknp␣
  ↪name(disknp1)>/iotimeout --set <Value>
  ```

Monitor

- Interval (sec)
  Default, 60 (minimum, 1; maximum, 999)
  ```
  clpcfadm.py mod -t networkpartition/disknp@<disknp␣
  ↪name(disknp1)>/interval --set <Value>
  ```
- Timeout (sec)
  Default, 300 (minimum, 5; maximum, 999)
  ```
  clpcfadm.py mod -t networkpartition/disknp@<disknp␣
  ↪name(disknp1)>/timeout --set <Value>
  ```
- Retry Count
  Default, 0 (minimum, 0; maximum, 999)
  ```
  clpcfadm.py mod -t networkpartition/disknp@<disknp␣
  ↪name(disknp1)>/count --set <Value>
  ```

Ping

```
clpcfset add np pingnp <Device ID> <Priority> <Group ID> <List ID>
↪<IP Address>
clpcfadm.py add device <Server name> ping <Device ID> <Use/Not use>
```

Note: Set Use/Not use to 1(if you use the device) or 0 (if not).

Note:

With only one NP resolution (Ping), specify 0 for Device ID.

With more than one NP resolution (Ping), specify consecutive numbers (e.g., 0, 1, 2...).

Note:

With only one group, specify 0 for Group ID.
With more than one group, specify consecutive numbers (e.g., 0, 1, 2...).

Note:

With only one IP address in the same group, specify 0 for List ID.
With more than one IP address in the same group, specify consecutive numbers (e.g., 0, 1, 2...).

Detailed Settings

Note: Specify the value of a heartbeat timeout to satisfy the following inequality:

Heartbeat timeout > Ping NP interval x Ping NP retry count + Ping NP timeout

- Interval (sec)
  Default, 5 (minimum, 2; maximum, 999)
  `clpcfadm.py mod -t networkpartition/pingnp@<pingnp name(pingnp1)>/interval --set <Value>`
- Timeout (sec)
  Default, 3 (minimum, 1; maximum, 999)
  `clpcfadm.py mod -t networkpartition/pingnp@<pingnp name(pingnp1)>/timeout --set <Value>`
- Retry Count
  Default, 3 (minimum, 1; maximum, 999)
  `clpcfadm.py mod -t networkpartition/pingnp@<pingnp name(pingnp1)>/count --set <Value>`

HTTP

```
clpcfadm.py add np httpnp <Device ID> <Priority> --host <IP Address :
↪Port Number>
clpcfadm.py add device <Server name> http <Device ID> <Use/Not use>
```

Note: Set Use/Not use to 1(if you use the device) or 0 (if not).

Note:

With only one NP resolution (HTTP), specify 0 for Device ID.
With more than one NP resolution (HTTP), specify consecutive numbers (e.g., 0, 1, 2...).

Note: To use Witness HB resource settings, set as follows:

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp name(httpnp1)>/
↪witnesshb/use --set 1
```

- Target Host (Within 255 bytes)

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp␣
↪name(httpnp1)>/host --set <Target Host>
```

- Request URI (Within 1023 bytes)

  Default: /

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp␣
↪name(httpnp1)>/requesturi --set <Request URI>
```

- Service Port

  Default, 80 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp␣
↪name(httpnp1)>/port --set <Value>
```

- Use SSL

Use SSL	Value
Use	1
Do not use (default)	0

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp␣
↪name(httpnp1)>/ssl/use --set <Value>
```

- Use Proxy

Use Proxy	Value
Use	1
Do not use (default)	0

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp␣
↪name(httpnp1)>/proxy/use --set <Value>
```

- Interval (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp␣
↪name(httpnp1)>/interval --set <Value>
```

- Timeout (sec)

  Default, 20 (minimum, 1; maximum, 99)

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp␣
↪name(httpnp1)>/timeout --set <Value>
```

- HTTP Timeout (sec)

  Default, 10 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t networkpartition/httpnp@<httpnp␣
↪name(httpnp1)>/http_timeout --set <Value>
```

Majority

```
clpcfadm.py add np majonp <Device ID> <Priority>
clpcfadm.py add device <Server name> majo <Device ID> <Use/Not use>
```

Note: Set Use/Not use to 1(if you use the device) or 0 (if not).

Note:

With only one NP resolution (majority method), specify 0 for Device ID.
With more than one NP resolution (majority method), specify consecutive numbers (e.g., 0, 1, 2...).

Delete

DISK

```
clpcfadm.py del np disknp <Device ID>
clpcfadm.py del device <Server name> <Device ID>
```

Important: For Device ID, specify the total of the following: 10100 + the value specified in "Add" in this section.

```
# Add
clpcfadm.py add np disknp 0 <Priority>
clpcfadm.py add device <Server name> disknp 0 <Volume ID> <Device␣
↪path>

# Delete
clpcfadm.py del np disknp 10100
clpcfadm.py del device <Server name> 10100
```

Ping

```
clpcfadm.py del np pingnp <Device ID>
clpcfadm.py del device <Server name> <Device ID>
```

Important: For Device ID, specify the total of the following: 10200 + the value specified in "Add" in this section.

```
# Add
clpcfadm.py add np pingnp 0 <Priority> <Group ID> <List ID> <IP␣
↪Address>
clpcfadm.py add device <Server name> ping 0 <Use/Not use>

# Delete
clpcfadm.py del np pingnp 10200
clpcfadm.py del device <Server name> 10200
```

HTTP

```
clpcfadm.py del np httpnp <Device ID>
clpcfadm.py del device <Server name> <Device ID>
```

Important: For Device ID, specify the total of the following: 10700 + the value specified in "Add" in this section.

```
# Add
clpcfadm.py add np httpnp 0 <Priority>
clpcfadm.py add device <Server name> http 0 <Use/Not use>

# Delete
```

```
clpcfadm.py del np httpnp 10700
clpcfadm.py del device <Server name> 10700
```

Majority

```
clpcfadm.py del np majonp <Device ID>
clpcfadm.py del device <Server name> <Device ID>
```

Important: For Device ID, specify the total of the following: 10300 + the value specified in "Add" in this section.

```
# Add
clpcfadm.py add np majonp 0 <Priority>
clpcfadm.py add device <Server name> majo 0 <Use/Not use>

# Delete
clpcfadm.py del np majonp 10300
clpcfadm.py del device <Server name> 10300
```

Tuning

- Action at NP Occurrence

Action at NP Occurrence	Value
Stop the cluster service	1
Stop the cluster service and shutdown OS	3
Stop the cluster service and reboot OS	4
Emergency shutdown (default)	2
Generate an intentional stop error	5
Reset the hardware	6

```
clpcfadm.py mod -t cluster/networkpartition/npaction --set <Value>
```

4.3.2 Forced stop

Note: For a forced-stop configuration, configure two or more servers.

Add

BMC

```
clpcfadm.py add forcestop bmc
clpcfadm.py mod -t forcestop/bmc/server@<Server name>/parameters/ip␣
↪--set <IP Address> --nocheck
clpcfadm.py mod -t forcestop/bmc/server@<Server name>/parameters/user␣
↪--set <User Name> --nocheck
clpcfadm.py mod -t forcestop/bmc/server@<Server name>/parameters/
↪password --set <Encrypted password> --nocheck
clpcfadm.py mod -t forcestop/bmc/server@<Server name>/use --set 1␣
↪--nocheck
```

Server List

- IP Address

```
clpcfadm.py mod -t forcestop/bmc/server@<Server name>/
↪parameters/ip --set <IP Address> --nocheck
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t forcestop/bmc/server@<Server name>/
↪parameters/user --set <User Name> --nocheck
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t forcestop/bmc/server@<Server name>/
↪parameters/password --set <Encrypted password> --nocheck
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

Forced Stop

- Forced Stop Action

Forced Stop Action	Value
BMC Power Off (default)	poweroff
BMC Power Cycle	powercycle
BMC Reset	reset
BMC NMI	nmi

```
clpcfadm.py mod -t forcestop/bmc/parameters/action --set
↪<Value>
```

- Forced Stop Timeout (sec)
  Default, 15 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t forcestop/bmc/exec/timeout --set <Value>
```

- Time to Wait for Stop to Be Completed (sec)
  Default, 15 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t forcestop/bmc/wait/timeout --set <Value>
```

Note: Set as above with "Forced Stop Action" set to "BMC Power Off".

- Lead Time between a Stop Request and a Failover Start (sec)
  Default, 15 (minimum, 0; maximum, 999)

```
clpcfadm.py mod -t forcestop/bmc/wait/fodelay --set <Value>
```

Note: Set as above with "Forced Stop Action" set to "BMC Power Cycle", "BMC Reset", or "BMC NMI".

- Disable Group Failover When Execution Fails

Disable Group Failover When Execution Fails	Value
Suppress	1
Do not suppress (default)	0

```
clpcfadm.py mod -t forcestop/bmc/suppression --set <Value>
```

vCenter

```
clpcfadm.py add forcestop vcenter
clpcfadm.py mod -t forcestop/vcenter/parameters/ip --set <Host Name>␣
↪--nocheck
```

```
clpcfadm.py mod -t forcestop/vcenter/parameters/user --set <User Name>
↪ --nocheck
clpcfadm.py mod -t forcestop/vcenter/parameters/password --set
↪<Encrypted password> --nocheck
clpcfadm.py mod -t forcestop/vcenter/parameters/method --set <Method␣
↪of performing forced stop>
clpcfadm.py mod -t forcestop/vcenter/server@<Server name>/parameters/
↪vmname --set <Virtual Machine Name> --nocheck
clpcfadm.py mod -t forcestop/vcenter/server@<Server name>/parameters/
↪datacenter --set <Data Center> --nocheck
clpcfadm.py mod -t forcestop/vcenter/server@<Server name>/parameters/
↪commandpath --set "" --nocheck
clpcfadm.py mod -t forcestop/vcenter/server@<Server name>/parameters/
↪perlpath --set "" --nocheck
clpcfadm.py mod -t forcestop/vcenter/server@<Server name>/use --set 1␣
↪--nocheck
```

Server List

- Virtual Machine Name (Within 80 bytes)

  ```
  clpcfadm.py mod -t forcestop/vcenter/server@<Server name>/
  ↪parameters/vmname --set <Virtual Machine Name> --nocheck
  ```

- Data Center (Within 80 bytes)

  ```
  clpcfadm.py mod -t forcestop/vcenter/server@<Server name>/
  ↪parameters/datacenter --set <Data Center> --nocheck
  ```

Forced Stop

- Forced Stop Action

Forced Stop Action	Value
Power Off (default)	poweroff
Reset	reset

  ```
  clpcfadm.py mod -t forcestop/vcenter/parameters/action --set
  ↪<Value>
  ```

- Forced Stop Timeout (sec)

  Default, 10 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t forcestop/vcenter/exec/timeout --set
  ↪<Value>
  ```

- Time to Wait for Stop to Be Completed (sec)

  Default, 10 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t forcestop/vcenter/wait/timeout --set
  ↪<Value>
  ```

  Note: Set as above with "Forced Stop Action" set to "Power Off".

- Lead Time between a Stop Request and a Failover Start (sec)

  Default, 10 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t forcestop/vcenter/wait/fodelay --set
  ↪<Value>
  ```

  Note: Set as above with "Forced Stop Action" set to "Reset".

- Disable Group Failover When Execution Fails

Disable Group Failover When Execution Fails	Value
Suppress	1
Do not suppress (default)	0

```
clpcfadm.py mod -t forcestop/vcenter/suppression --set
↪<Value>
```

vCenter

- Method of performing forced stop

Method of performing forced stop	Value
vSphere Automation API (default)	restapi
VMware vSphere CLI	vcli

```
clpcfadm.py mod -t forcestop/vcenter/parameters/method --set
↪<Value>
```

- VMware vSphere CLI Installation Path (Within 1023 bytes)

VMware vSphere CLI Installation Path
C:\Program Files (x86)\VMware\VMware vSphere CLI
C:\Program Files\VMware\VMware vSphere CLI

```
clpcfadm.py mod -t forcestop/vcenter/server@<Server␣
↪name>/parameters/commandpath --set <VMware vSphere CLI␣
↪Installation Path> --nocheck
```

Note: With "Method of performing forced stop" set to "vSphere Automation API", always set an empty value.

Note: Set the same path for all target servers.

Note: Set it according to the environment (e.g., installation folder).

- Host Name (Within 255 bytes)

```
clpcfadm.py mod -t forcestop/vcenter/parameters/ip --set
↪<Host Name> --nocheck
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t forcestop/vcenter/parameters/user --set
↪<User Name> --nocheck
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t forcestop/vcenter/parameters/password␣
↪--set <Encrypted password> --nocheck
```

Note:

Set an encrypted password string.

For details, see "*Retrieving an encrypted password string*".

- Perl Path (Within 255 bytes)

```
clpcfadm.py mod -t forcestop/vcenter/server@<Server name>/
↪parameters/perlpath --set <Perl Path> --nocheck
```

Note: Set as above with "Method of performing forced stop" set to "VMware vSphere CLI".

AWS

```
clpcfadm.py add forcestop aws
clpcfadm.py mod -t forcestop/aws/server@<Server name>/parameters/id␣
↪--set <Instance ID> --nocheck
clpcfadm.py mod -t forcestop/aws/server@<Server name>/use --set 1␣
↪--nocheck
```

Server List

- Instance ID (Within 31 bytes)

```
clpcfadm.py mod -t forcestop/aws/server@<Server name>/
↪parameters/id --set <Instance ID> --nocheck
```

Forced Stop

- Forced Stop Action

Value
stop (default)
reboot

```
clpcfadm.py mod -t forcestop/aws/parameters/action --set
↪<Value>
```

- Forced Stop Timeout (sec)
  Default, 10 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t forcestop/aws/exec/timeout --set <Value>
```

- Time to Wait for Stop to Be Completed (sec)
  Default, 180 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t forcestop/aws/wait/timeout --set <Value>
```

Note: Set as above with "Forced Stop Action" set to "stop".

- Lead Time between a Stop Request and a Failover Start (sec)
  Default, 120 (minimum, 0; maximum, 999)

```
clpcfadm.py mod -t forcestop/aws/wait/fodelay --set <Value>
```

Note: Set as above with "Forced Stop Action" set to "reboot".

- Disable Group Failover When Execution Fails

Disable Group Failover When Execution Fails	Value
Suppress	1
Do not suppress (default)	0

```
clpcfadm.py mod -t forcestop/aws/suppression --set <Value>
```

Azure

```
clpcfadm.py add forcestop azure
clpcfadm.py mod -t forcestop/azure/parameters/useruri --set <User URI>
↪ --nocheck
```

```
clpcfadm.py mod -t forcestop/azure/parameters/tenantid --set <Tenant␣
↪ID> --nocheck
clpcfadm.py mod -t forcestop/azure/parameters/certfile --set <File␣
↪Path of Service Principal> --nocheck
clpcfadm.py mod -t forcestop/azure/parameters/rscgrp --set <Resource␣
↪Group Name> --nocheck
clpcfadm.py mod -t forcestop/azure/server@<Server name>/parameters/
↪vmname --set <Virtual Machine Name> --nocheck
clpcfadm.py mod -t forcestop/azure/server@<Server name>/use --set 1␣
↪--nocheck
```

Server List

- Virtual Machine Name (Within 31 bytes)

```
clpcfadm.py mod -t forcestop/azure/server@<Server name>/
↪parameters/vmname --set <Virtual Machine Name> --nocheck
```

Forced Stop

- Forced Stop Action

Value
stop and deallocate (default)
stop only
reboot

```
clpcfadm.py mod -t forcestop/azure/parameters/action --set
↪<Value>
```

- Forced Stop Timeout (sec)
  Default, 15 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t forcestop/azure/exec/timeout --set <Value>
```

- Time to Wait for Stop to Be Completed (sec)
  Default, 180 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t forcestop/azure/wait/timeout --set <Value>
```

Note: Set as above with "Forced Stop Action" set to "stop".

- Lead Time between a Stop Request and a Failover Start (sec)
  Default, 120 (minimum, 0; maximum, 999)

```
clpcfadm.py mod -t forcestop/azure/wait/fodelay --set <Value>
```

Note: Set as above with "Forced Stop Action" set to "reboot".

- Disable Group Failover When Execution Fails

Disable Group Failover When Execution Fails	Value
Suppress	1
Do not suppress (default)	0

```
clpcfadm.py mod -t forcestop/azure/suppression --set <Value>
```

Azure

- User URI (Within 2048 bytes)

```
clpcfadm.py mod -t forcestop/azure/parameters/useruri --set
↪<User URI> --nocheck
```

- Tenant ID (Within 36 bytes)

```
clpcfadm.py mod -t forcestop/azure/parameters/tenantid --set
```

```
↪<Tenant ID> --nocheck
```

- File Path of Service Principal (Within 1024 bytes)

```
clpcfadm.py mod -t forcestop/azure/parameters/certfile --set
↪<File Path of Service Principal> --nocheck
```

- Resource Group Name (Within 90 bytes)

```
clpcfadm.py mod -t forcestop/azure/parameters/rscgrp --set
↪<Resource Group Name> --nocheck
```

OCI

```
clpcfadm.py add forcestop oci
clpcfadm.py mod -t forcestop/oci/server@<Server name>/parameters/id␣
↪--set <Instance ID> --nocheck
clpcfadm.py mod -t forcestop/oci/server@<Server name>/use --set 1␣
↪--nocheck
```

Server List

- Instance ID (Within 31 bytes)

```
clpcfadm.py mod -t forcestop/oci/server@<Server name>/
↪parameters/id --set <Instance ID> --nocheck
```

Forced Stop

- Forced Stop Action

Value
stop (default)
reboot

```
clpcfadm.py mod -t forcestop/oci/parameters/action --set
↪<Value>
```

- Forced Stop Timeout (sec)
  Default, 15 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t forcestop/oci/exec/timeout --set <Value>
```

- Time to Wait for Stop to Be Completed (sec)
  Default, 180 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t forcestop/oci/wait/timeout --set <Value>
```

Note: Set as above with "Forced Stop Action" set to "stop".

- Lead Time between a Stop Request and a Failover Start (sec)
  Default, 120 (minimum, 0; maximum, 999)

```
clpcfadm.py mod -t forcestop/oci/wait/fodelay --set <Value>
```

Note: Set as above with "Forced Stop Action" set to "reboot".

- Disable Group Failover When Execution Fails

Disable Group Failover When Execution Fails	Value
Suppress	1
Do not suppress (default)	0

```
clpcfadm.py mod -t forcestop/oci/suppression --set <Value>
```

Custom

```
clpcfadm.py add forcestop custom
clpcfadm.py mod -t forcestop/custom/parameters/path --set forcestop.
```

```
↪bat
clpcfadm.py mod -t forcestop/custom/parameters/account --set ""␣
↪--nocheck
clpcfadm.py mod -t forcestop/custom/server@<Server name>/use --set 1␣
↪--nocheck
```

Forced Stop

- Forced Stop Timeout (sec)
  Default, 10 (minimum, 5; maximum, 999)
  ```
  clpcfadm.py mod -t forcestop/custom/exec/timeout --set
  ↪<Value>
  ```
- Disable Group Failover When Execution Fails

Disable Group Failover When Execution Fails	Value
Suppress	1
Do not suppress (default)	0

```
clpcfadm.py mod -t forcestop/custom/suppression --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t forcestop/custom/parameters/default --set
↪<Value>
```

Note: If you change this parameter, change "Path".

- Path (Within 1023 bytes)
  ```
  clpcfadm.py mod -t forcestop/custom/parameters/path --set
  ↪<Path>
  ```

  Note: If you specify "Script created with this product", specify **forcestop.bat**.
  ```
  clpcfadm.py mod -t forcestop/custom/parameters/path --set␣
  ↪forcestop.bat
  ```
- Exec User
  ```
  clpcfadm.py mod -t forcestop/custom/parameters/account --set
  ↪<Exec User>
  ```

Delete (Do Not Use)

```
clpcfadm.py del forcestop
```

4.4 Timeout

- Service Startup Delay Time (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  `clpcfadm.py mod -t cluster/startupdelay --set <Value>`

- Network initialization complete wait time (sec)

  Default, 180 (minimum, 0; maximum, 5940)

  `clpcfadm.py mod -t cluster/networkcheck --set <Value>`

  Note: Specify a value in seconds (divisible by 60).

- Server Sync Wait Time (sec)

  Default, 300 (minimum, 0; maximum, 5940)

  `clpcfadm.py mod -t cluster/bootwait --set <Value>`

  Note: Specify a value in seconds (divisible by 60).

Heartbeat

- Interval (msec)

  Default, 3000 (minimum, 1000; maximum, 99000)

  `clpcfadm.py mod -t cluster/heartbeat/interval --set <Value>`

  Note: Specify a value in milliseconds (divisible by 1000).

- Timeout (msec)

  Default, 30000 (minimum, 2000; maximum, 999000)

  `clpcfadm.py mod -t cluster/heartbeat/timeout --set <Value>`

  Note: Specify a value in milliseconds (divisible by 1000).

- Server Internal Timeout (sec)

  Default, 180 (minimum, 1; maximum, 9999)

  `clpcfadm.py mod -t cluster/api/timeout --set <Value>`

4.5 Port No.

TCP

- Server Internal Port Number

  Default, 29001 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t cluster/api/port --set <Value>`

- Information Base Port Number

  Default, 29008 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t cluster/api/ibport --set <Value>`

- Data Transfer Port Number

  Default, 29002 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t cluster/trns/port --set <Value>`

- WebManager HTTP Port Number

  Default, 29003 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t webmgr/http/port --set <Value>`

- API HTTP Port Number

  Default, 29009 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t cluster/rstd/http/port --set <Value>`

- API Server Internal Port Number

  Default, 29010 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t cluster/rstd/service/port --set <Value>`

- Disk Agent Port Number

  Default, 29004 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t diskagent/port --set <Value> --nocheck`

- Mirror Driver Port Number

  Default, 29005 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t diskfltr/port --set <Value> --nocheck`

UDP

- Kernel Mode Heartbeat Port Number

  Default, 29106 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t cluster/heartbeat/khbport/recv --set <Value>`

- Alert Sync Port Number

  Default, 29003 (minimum, 1; maximum, 65535)

  `clpcfadm.py mod -t webalert/daemon/udpport --set <Value>`

4.6 Recovery

- Action When the Cluster Service Process Is Failure

Action When the Cluster Service Process Is Failure	Value
Emergency shutdown (default)	5
Generate an intentional stop error	6
Reset the hardware	7

```
clpcfadm.py mod -t pm/exec0/recover --set <Value>
clpcfadm.py mod -t pm/exec1/recover --set <Value> --nocheck
```

Note: Set each of the <Value> fields to the same value.

Recovery Action for HA Agents

- Max Restart Count

  Default, 3 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t rm/agent/retrynum --set <Value>
  ```

- Recovery Action over Max Restart Count

Recovery Action over Max Restart Count	Value
No operation (default)	1
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5

```
clpcfadm.py mod -t rm/agent/action --set <Value>
```

- Action at Group Resource Activation or Deactivation Stall

Action at Group Resource Activation or Deactivation Stall	Value
Emergency shutdown (default)	5
Generate an intentional stop error	6
No operation (operates as an activity or deactivity failure)	0

```
clpcfadm.py mod -t cluster/rsctimeout/rsctoaction --set <Value>
```

Disable the Final Action when OS Stops Due to Failure Detection

- Group Resource When Activation Failure Detected

Final Action When OS Stops Due to All Server Shutdown	Value
Perform the final action	1
Do not perform the final action (default)	0

```
clpcfadm.py mod -t cluster/survive/rscact --set <Value>
```

- Group Resource When Deactivation Failure Detected

Final Action When OS Stops Due to All Server Shutdown	Value
Perform the final action	1
Do not perform the final action (default)	0

```
clpcfadm.py mod -t cluster/survive/rscdeact --set <Value>
```

- Monitor Resource When Failure Detected

Final Action When OS Stops Due to All Server Shutdown	Value
Perform the final action	1
Do not perform the final action (default)	0

```
clpcfadm.py mod -t cluster/survive/monitor --set <Value>
```

Disable Shutdown When Multi-Failover-Service Detected

- Server Group Survives When Multi-Failover-Service Detected

Server Group Survives When Multi-Failover-Service Detected	Value
Shut down (default)	0
Do not shut down	1

```
clpcfadm.py mod -t servergroup@<Server group name>/survive --set
↪<Value>
```

- Server Survives When Multi-Failover-Service Detected

Server Survives When Multi-Failover-Service Detected	Value
Shut down (default)	0
Do not shut down	1

```
clpcfadm.py mod -t server@<Server name>/survive --set <Value>
```

4.7 Alert Service

- Enable Alert Setting

Enable Alert Setting	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t cluster/messages/use --set <Value>
```

Add

Note: For details on "Module Type" and "Event ID", refer to "EXPRESSCLUSTER X Reference Guide" -> "Error messages" -> "Messages reported by event log and alert".

- Destination

Alert	Value
Set	1
Do not set	0

```
clpcfadm.py mod -t messages/types@<Module Type> --set ""␣
↪--nocheck
clpcfadm.py mod -t messages/<Module Type>@<Event ID>/alert␣
↪--set <Value(Destination (Alert Logs))> --nocheck
clpcfadm.py mod -t messages/<Module Type>@<Event ID>/altexec␣
↪--set <Value(Destination (Alert Extension))> --nocheck
clpcfadm.py mod -t messages/<Module Type>@<Event ID>/mail␣
↪--set <Value(Destination (Mail Report))> --nocheck
clpcfadm.py mod -t messages/<Module Type>@<Event ID>/trap␣
↪--set <Value(Destination (SNMP Trap))> --nocheck
clpcfadm.py mod -t messages/<Module Type>@<Event ID>/pubsub␣
↪--set <Value(Destination (Message Topic))> --nocheck
clpcfadm.py mod -t messages/<Module Type>@<Event ID>/syslog␣
↪--set <Value(Destination (Event Log(DisableOnly)))>␣
↪--nocheck
```

Note: Even when you change part of the destinations, specify settings for all destinations as shown above.

- Command (Within 511 bytes)

  Add

  ```
  clpcfadm.py mod -t messages/<Module Type>@<Event ID>/cmd@
  ↪<Command ID>/cmdline --set <Command> --nocheck
  ```

  Note: Set as above with "Destination (Alert Extension)" set to "Set".

  Note:

With only one command, specify 0 for Command ID.
With more than one command, specify consecutive numbers (e.g., 0, 1, 2...).

Delete

```
clpcfset del clsparam messages/<Module Type>@<Event ID>/cmd@
↪<Command ID>
```

Delete

```
clpcfset del clsparam messages/<Module Type>@<Event ID>
clpcfadm.py mod -t messages/types@<Module Type> --delete
```

Mail Report

- E-mail Address (Within 255 bytes)

```
clpcfadm.py mod -t cluster/mail/address --set <E-mail Address>
```

- Subject (Within 127 bytes)

```
clpcfadm.py mod -t cluster/mail/subject --set <Subject>
```

- Mail Method

Value
SMTP (default)

```
clpcfadm.py mod -t cluster/mail/sendtype --set <Value>
```

SMTP Settings

- Mail Charset (Within 127 bytes)

Mail Charset
Shift_JIS
ISO-2022-jp
ISO-8859-1

```
clpcfadm.py mod -t cluster/mail/smtp/charset --set <Mail␣
↪Charset> --nocheck
```

- Send Mail Timeout (sec)

  Default, 30 (minimum, 1; maximum, 999)

```
clpcfadm.py mod -t cluster/mail/smtp/timeout --set <Value>
```

- Subject Encode

Subject Encode	Value
Encode	1
Do not encode (default)	0

```
clpcfadm.py mod -t cluster/mail/smtp/subencode --set <Value>
```

SMTP Server

Add

Note:

With only one SMTP Server, specify 0 for ID.
With more than one SMTP Server, specify consecutive numbers (e.g., 0, 1, 2...).

- Priority
  Default, None (minimum, 0; maximum, SMTP Server count - 1)
  ```
  clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/priority␣
  ↪--set <Value> --nocheck
  ```
- SMTP Server (Within 255 bytes)
  ```
  clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/srvname␣
  ↪--set <SMTP Server> --nocheck
  ```
- Use SSL

Use SSL	Value
Use	1
Do not use	0

  ```
  clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/ssl/use␣
  ↪--set <Value> --nocheck
  ```
- Connection Method

Value
SMTPS
STARTTLS

  ```
  clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/ssl/method␣
  ↪--set <Value> --nocheck
  ```

  Note: Set as above with "Use SSL" set to "Use".

- SMTP Port
  Default, None (minimum, 1; maximum, 65535)
  ```
  clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/port --set
  ↪<Value> --nocheck
  ```
- Sender Address (Within 255 bytes)
  ```
  clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/
  ↪senderaddress --set <Sender Address> --nocheck
  ```
- Enable SMTP Authentication

Enable SMTP Authentication	Value
Enable	1
Do not enable	0

  ```
  clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/auth --set
  ↪<Value> --nocheck
  ```

Note: To set the following items, set "Enable SMTP Authentication" to "Enable" in advance.

- Authentication Method

Value
CRAM-MD5
LOGIN
PLAIN

```
clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/authmethod␣
↪--set <Value> --nocheck
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/username␣
↪--set <User Name> --nocheck
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID>/passwd␣
↪--set <Encrypted password> --nocheck
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

Delete

```
clpcfadm.py mod -t cluster/mail/smtp/smtpsrv@<ID> --delete
```

SNMP Trap

Destination Settings

Note:

With only one SNMP Trap Destination Server, specify 0 for ID.
With more than one SNMP Trap Destination Server, specify consecutive numbers (e.g., 0, 1, 2...).

Add

```
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID>/srvname --set
↪<Destination Server> --nocheck
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID>/port --set <SNMP Port>
↪ --nocheck
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID>/snmpver --set <SNMP␣
↪Version> --nocheck
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID>/snmpcom --set <SNMP␣
↪Community Name> --nocheck
```

- Destination Server (Within 255 bytes)

```
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID>/srvname --set
↪<Destination Server> --nocheck
```

- SNMP Port
  Default, 162 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID>/port --set
↪<Value> --nocheck
```

- SNMP Version

Value
v1
v2c (default)

```
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID>/snmpver --set
↪<Value> --nocheck
```

- SNMP Community Name (Within 255 bytes)

SNMP Community Name
public (default)
private

```
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID>/snmpcom --set
↪<SNMP Community Name> --nocheck
```

Delete

```
clpcfadm.py mod -t cluster/trap/snmpsrv@<ID> --delete
```

- Use Network Warning Light

Use Network Warning Light	Value
Use	1
Do not use (default)	0

```
clpcfadm.py mod -t cluster/dn1000s/use --set <Value>
```

Important: Configure "Warning Light" of the server properties.

Note: For "Use", set as follows:

```
clpcfadm.py mod -t alertservice/types@dn1000s --set "" --nocheck
clpcfadm.py mod -t alertservice/dn1000s@dn1000s1 --set "" --nocheck
clpcfadm.py mod -t alertservice/dn1000s@dn1000s1/priority --set 0␣
↪--nocheck
clpcfadm.py mod -t alertservice/dn1000s@dn1000s1/device --set␣
↪20000 --nocheck
clpcfadm.py mod -t alertservice/dn1000s@dn1000s1/kind --set nm␣
↪--nocheck
```

Note: To change the setting for "Use Network Warning Light" from "Use" to "Do not use", set as follows:

```
clpcfset del clsparam alertservice
```

4.8 WebManager

- Enable WebManager Service

Enable WebManager Service	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t webmgr/use --set <Value>
```

Note: To set the following items, set "Enable WebManager Service" to "Enable" in advance.

- Communication Method

Communication Method	Value
HTTP (default)	0
HTTPS	1

```
clpcfadm.py mod -t webmgr/server/encryption/method --set <Value>
```

Important: With "Communication Method" set to "HTTPS", configure "*Encryption*".

- Number of sessions which can be established simultaneously

  Default, 64 (minimum, 10; maximum, 999)

  ```
  clpcfadm.py mod -t webmgr/server/maxclient --set <Value>
  ```

Control connection by using password

- Password Method

Password Method	Value
Cluster Password Method (default)	0
OS Authentication Method	1

```
clpcfadm.py mod -t webmgr/security/loginuser/use --set <Value>
```

Cluster Password Method

Note: To set the following items, set "Password Method" to "Cluster Password Method" in advance.

– Password for Operation

```
clpcfadm.py mod -t webmgr/security/userpwd --set
↪<Encrypted password> --nocheck
```

Note:

Set an encrypted password string.

For details, see "*Retrieving an encrypted password string*".

– Password for Reference

```
clpcfadm.py mod -t webmgr/security/adminpwd --set
↪<Encrypted password> --nocheck
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

OS Authentication Method

Note: To set the following items, set "Password Method" to "OS Authentication Method" in advance.

– Authorized Group

Add

```
clpcfadm.py mod -t webmgr/security/loginuser/grouplist/
↪ope@<Group Name> --set "" --nocheck
```

Delete

```
clpcfadm.py mod -t webmgr/security/loginuser/
↪grouplist/ope@<Group Name> --delete
```

– Login Session Lifetime Period (min)

Default, 1440 (minimum, 0; maximum, 525600)

```
clpcfadm.py mod -t webmgr/security/loginuser/duration␣
↪--set <Value>
```

– Automatic Logout Time Period (min)

Default, 60 (minimum, 0; maximum, 99999)

```
clpcfadm.py mod -t webmgr/security/loginuser/autologout/
↪time --set <Value>
```

– Lockout Threshold (time)

Default, 0 (minimum, 0; maximum, 999)

```
clpcfadm.py mod -t webmgr/security/loginuser/failure/count␣
↪--set <Value>
```

– Lockout Time (min)

Default, 10 (minimum, 1; maximum, 99999)

```
clpcfadm.py mod -t webmgr/security/loginuser/failure/
↪duration --set <Value>
```

- Control connection by using client IP address

Control connection by using client IP address	Value
Control	1
Do not control (default)	0

```
clpcfadm.py mod -t webmgr/security/clientlist/iprest --set <Value>
```

Note: To set the following items, set "Control connection by using client IP addresses" to "Control" in advance.

Add

- IP Address (Operation privilege granted)

```
clpcfadm.py mod -t webmgr/security/clientlist/ip@<IP␣
↪Address> --set "" --nocheck
```

- IP Address (Operation privilege not granted)

```
clpcfadm.py mod -t webmgr/security/clientlist/ipro@<IP␣
↪Address> --set "" --nocheck
```

Delete

- IP Address (Operation privilege granted)

```
clpcfadm.py mod -t webmgr/security/clientlist/ip@<IP␣
↪Address> --delete
```

- IP Address (Operation privilege not granted)

```
clpcfadm.py mod -t webmgr/security/clientlist/ipro@<IP␣
↪Address> --delete
```

Cluster WebUI Operation Log

- Output Cluster WebUI Operation Log

Output Cluster WebUI Operation Log	Value
Output (default)	1
Do not output	0

```
clpcfadm.py mod -t webmgr/server/logopeuser/use --set <Value>
```

- Log output path (Within 255 bytes) (Unless you specify a log output destination, the log is outputted to the default directory.)

```
clpcfadm.py mod -t webmgr/server/logopeuser/path --set <Log␣
↪output path>
```

Note: Use this setting if the "Output Cluster WebUI Operation Log" setting is "Output".

- File Size (MB)

  Default, 1 (minimum, 1; maximum, 10)

```
clpcfadm.py mod -t webmgr/server/logopeuser/size --set
↪<Value>
```

Note: Use this setting if the "Output Cluster WebUI Operation Log" setting is "Output".

Integrated WebManager

Connection IP address

Add

```
clpcfadm.py mod -t server@<Server name>/device@<ID>/type --set␣
↪public --nocheck
clpcfadm.py mod -t server@<Server name>/device@<ID>/info --set <IP␣
↪Address> --nocheck
```

Note:

With only one IP address to be added, specify 100 for ID.
With more than one IP address to be added, specify consecutive numbers (e.g., 100, 101, 102...). (Maximum: 199)

Delete

```
clpcfadm.py mod -t server@<Server name>/device@<ID> --delete
```

Tuning

- Client Session Timeo

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t webmgr/server/timeout --set <Value>
  ```

- Screen Data Refresh Interval (sec)

  Default, 90 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t webmgr/client/pollinginterval --set <Value>
  ```

- Mirror Agent Timeout (sec)

  Default, 150 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t webmgr/server/mdagenttimeout --set <Value>
  ```

- Time Limit For Keeping Log Files (sec)

  Default, 600 (minimum, 60; maximum, 43200)

  ```
  clpcfadm.py mod -t webmgr/server/logc/timeout/getfile --set <Value>
  ```

- Use Time Information Display Function

Use Time Information Display Function	Value
Use (default)	1
Do not use	0

```
clpcfadm.py mod -t cluster/timeinfo/use --set <Value>
```

4.9 API

- Enable API Service

Enable API Service	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t rstd/use --set <Value> --nocheck
```

Important: With "Enable API Service" set to "Enable", configure "*Encryption*".

Note: To set the following items, set "Enable API Service" to "Enable" in advance.

– Communication Method

Communication Method	Value
HTTP	0
HTTPS (default)	1

```
clpcfadm.py mod -t rstd/server/encryption/method --set <Value>␣
↪--nocheck
```

– Set a privilege per group

Set a privilege per group	Value
Set	1
Do not set (default)	0

```
clpcfadm.py mod -t rstd/security/loginuser/use --set <Value>␣
↪--nocheck
```

Note: To set the following items, set "Set a privilege per group" to "Set" in advance.

Add

* Operation privilege granted

```
clpcfadm.py mod -t rstd/security/loginuser/grouplist/ope@
↪<Group Name> --set "" --nocheck
```

* Operation privilege not granted

```
clpcfadm.py mod -t rstd/security/loginuser/grouplist/ref@
↪<Group Name> --set "" --nocheck
```

Delete

* Operation privilege granted

```
clpcfset del clsparam rstd/security/loginuser/grouplist/ope@
↪<Group Name>
```

* Operation privilege not granted

```
clpcfset del clsparam rstd/security/loginuser/grouplist/ref@
↪<Group Name>
```

– Control connection by using client IP address

Control connection by using client IP address	Value
Control	1
Do not control (default)	0

```
clpcfadm.py mod -t rstd/security/clientlist/iprest --set <Value>
↪ --nocheck
```

Connection Permit Client IP Address

Note: To set the following items, set "Control connection by using client IP addresses" to "Control" in advance.

Add

– IP Address (Operation privilege granted)

```
clpcfadm.py mod -t rstd/security/clientlist/ip@<IP Address>
↪ --set "" --nocheck
```

– IP Address (Operation privilege not granted)

```
clpcfadm.py mod -t rstd/security/clientlist/ipro@<IP␣
↪Address> --set "" --nocheck
```

Delete

– IP Address (Operation privilege granted)

```
clpcfset del clsparam rstd/security/clientlist/ip@<IP␣
↪Address>
```

– IP Address (Operation privilege not granted)

```
clpcfset del clsparam rstd/security/clientlist/ipro@<IP␣
↪Address>
```

– Output API Service Operation Log

Output API Service Operation Log	Value
Output (default)	1
Do not output	0

```
clpcfadm.py mod -t rstd/server/logopeuser/use --set <Value>␣
↪--nocheck
```

– Log output path (Within 255 bytes)

```
clpcfadm.py mod -t rstd/server/logopeuser/path --set <Log␣
↪output path> --nocheck
```

Note: Set as above with "Output API Service Operation Log" set to "Yes".

– File Size (MB) (Unless you specify a log output destination, the log is outputted to the default directory.)

Default, 1 (minimum, 1; maximum, 10)

```
clpcfadm.py mod -t rstd/server/logopeuser/size --set <Value>␣
↪--nocheck
```

Note: Set as above with "Output API Service Operation Log" set to "Yes".

Tuning

- Authentication Lockout Threshold (time)
  Default, 3 (minimum, 1; maximum, 5)
  ```
  clpcfadm.py mod -t rstd/security/authretry --set <Value>␣
  ↪--nocheck
  ```
- HTTP Server Start Retry Count (time)
  Default, 3 (minimum, 0; maximum, 99)
  ```
  clpcfadm.py mod -t rstd/communication/http/retry --set <Value>
  ↪ --nocheck
  ```
- HTTP Server Start Interval (time)
  Default, 5 (minimum, 1; maximum, 99)
  ```
  clpcfadm.py mod -t rstd/communication/http/interval --set
  ↪<Value> --nocheck
  ```

4.10 Encryption

- Certificate File (Within 1023 bytes)

```
clpcfadm.py mod -t webmgr/server/encryption/crtfile --set
↪<Certificate File>
```

- Private Key File (Within 1023 bytes)

```
clpcfadm.py mod -t webmgr/server/encryption/keyfile --set <Private␣
↪Key File>
```

- SSL Library (Within 1023 bytes)

SSL Library
C:\OpenSSL-Win64\ssleay32.dll
C:\Program Files\OpenSSL-Win64\libssl-1_1-x64.dll
C:\Program Files\OpenSSL-Win64\libssl-3-x64.dll

```
clpcfadm.py mod -t webmgr/server/encryption/ssllib --set <SSL Library>
```

Note: Set it according to the environment (e.g., installation folder).

- Crypto Library (Within 1023 bytes)

Crypto Library
C:\OpenSSL-Win64\libeay32.dll
C:\Program Files\OpenSSL-Win64\libcrypto-1_1-x64.dll
C:\Program Files\OpenSSL-Win64\libcrypto-3-x64.dll

```
clpcfadm.py mod -t webmgr/server/encryption/cryptolib --set <Crypto␣
↪Library>
```

Note: Set it according to the environment (e.g., installation folder).

4.11 Alert Log

- Enable Alert Service

Enable Alert Service	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t webalert/use --set <Value>
```

- Max. Number to Save Alert Records

  Default, 10000 (minimum, 1; maximum, 99999)

```
clpcfadm.py mod -t webalert/main/alertlog/maxrecordcount --set <Value>
```

- Enable a log file for investigation to be downloaded

Enable a log file for investigation to be downloaded	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t telem/ecap/use --set <Value> --nocheck
```

Alert Sync

- Method

Method	Value
unicast (default)	0

```
clpcfadm.py mod -t webalert/daemon/method --set <Value>
```

- Communication Timeout (sec)

  Default, 30 (minimum, 1; maximum, 300)

```
clpcfadm.py mod -t webalert/daemon/timeout --set <Value>
```

4.12 Delay Warning

- Heartbeat Delay Warning (%)

  Default, 80 (minimum, 1; maximum, 99)

  ```
  clpcfadm.py mod -t cluster/delaywarn/heartbeat --set <Value>
  ```

  Note: To turn off "Heartbeat Delay Warning", set 100.

  ```
  clpcfadm.py mod -t cluster/delaywarn/heartbeat --set 100
  ```

- Monitor Delay Warning (%)

  Default, 80 (minimum, 1; maximum, 99)

  ```
  clpcfadm.py mod -t cluster/delaywarn/monitor --set <Value>
  ```

  Note: To turn off "Monitor Delay Warning", set 100.

  ```
  clpcfadm.py mod -t cluster/delaywarn/monitor --set 100
  ```

4.13 Disk

At Disk Disconnection Failure

- Retry Interval (sec)

  Default, 3 (minimum, 1; maximum, 10)

  ```
  clpcfadm.py mod -t diskagent/deactsd/interval --set <Value>␣
  ↪--nocheck
  ```

- Retry Count

  Default, 10 (minimum, 0; maximum, 180)

  ```
  clpcfadm.py mod -t diskagent/deactsd/retry --set <Value> --nocheck
  ```

  Note: To set "Retry Count" to "Unlimited", set 65535.

  ```
  clpcfadm.py mod -t diskagent/deactsd/retry --set 65535 --nocheck
  ```

- Timeout (sec)

  Default, 1800 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t diskagent/deactsd/timeout --set <Value>␣
  ↪--nocheck
  ```

- Final Action

Final Action	Value
Enforced Disconnection (default)	1
None	0

```
clpcfadm.py mod -t diskagent/deactsd/action --set <Value> --nocheck
```

4.14 Mirror Disk

- Auto Mirror Initial Construction

Auto Mirror Initial Construction	Value
Automatically execute initial mirror construction (default)	1
Do not automatically execute initial mirror construction	0

```
clpcfadm.py mod -t diskagent/autofullcopy --set <Value> --nocheck
```

- Auto Mirror Recovery

Auto Mirror Recovery	Value
Automatically recover a mirror (default)	1
Do not automatically recover a mirror	0

```
clpcfadm.py mod -t diskagent/autorecovery --set <Value> --nocheck
```

- Difference Bitmap Size (KB)

  Default, 1024 (minimum, 1024; maximum, 5120)

```
clpcfadm.py mod -t diskfltr/cpbitmapsize --set <Value> --nocheck
```

  Note: Specify a value in KB (divisible by 1024).

- History Recording Area Size in Asynchronous Mode (KB)

  Default, 102400 (minimum, 1024; maximum, 102400)

```
clpcfadm.py mod -t diskfltr/cphistorysize --set <Value> --nocheck
```

  Note: Specify a value in KB (divisible by 1024).

- Allow failover on mirror break for specified time

Allow failover on mirror break for specified time	Value
Allow	1
Do not allow (default)	0

```
clpcfadm.py mod -t diskagent/foaccept/use --set <Value> --nocheck
```

  - Timeout (sec)

    Default, 30 (minimum, 1; maximum, 600)

```
clpcfadm.py mod -t diskagent/foaccept/timeout --set <Value>␣
↪--nocheck
```

    Note: Set as above with "Allow failover on mirror break for specified time" set to "Allow".

At Disk Disconnection Failure

- Retry Interval (sec)

  Default, 3 (minimum, 1; maximum, 10)

  ```
  clpcfadm.py mod -t diskagent/deactmd/interval --set <Value>␣
  ↪--nocheck
  clpcfadm.py mod -t diskagent/deacthd/interval --set <Value>␣
  ↪--nocheck
  ```

  Note: Set each of the <Value> fields to the same value.

- Retry Count

  Default, 10 (minimum, 0; maximum, 180)

  ```
  clpcfadm.py mod -t diskagent/deactmd/retry --set <Value> --nocheck
  clpcfadm.py mod -t diskagent/deacthd/retry --set <Value> --nocheck
  ```

  Note: Set each of the <Value> fields to the same value.

  Note: To set "Retry Count" to "Unlimited", set 65535.

  ```
  clpcfadm.py mod -t diskagent/deactmd/retry --set 65535 --nocheck
  clpcfadm.py mod -t diskagent/deacthd/retry --set 65535 --nocheck
  ```

- Timeout (sec)

  Default, 1800 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t diskagent/deactmd/timeout --set <Value>␣
  ↪--nocheck
  clpcfadm.py mod -t diskagent/deacthd/timeout --set <Value>␣
  ↪--nocheck
  ```

  Note: Set each of the <Value> fields to the same value.

- Final Action

Final Action	Value
Enforced Disconnection (default)	1
None	0

```
clpcfadm.py mod -t diskagent/deactmd/action --set <Value> --nocheck
clpcfadm.py mod -t diskagent/deacthd/action --set <Value> --nocheck
```

Note: Set each of the <Value> fields to the same value.

4.15 Account

Note:

With only one account, specify 0 for ID.
With more than one account, specify consecutive numbers (e.g., 0, 1, 2...).

Add

```
clpcfadm.py mod -t cluster/account/list@<ID>/username --set <User Name>␣
↪--nocheck
clpcfadm.py mod -t cluster/account/list@<ID>/password --set <Encrypted␣
↪password> --nocheck
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

Delete

```
clpcfadm.py mod -t cluster/account/list@<ID> --delete
```

4.16 RIP (Legacy)

Note:

With only one network address, specify 0 for ID.
With more than one network address, specify consecutive numbers (e.g., 0, 1, 2...).

Add

```
clpcfadm.py mod -t cluster/rip/list@<ID>/ip --set <Network Address>␣
↪--nocheck
clpcfadm.py mod -t cluster/rip/list@<ID>/mask --set <Net Mask> --nocheck
```

Delete

```
clpcfadm.py mod -t cluster/rip/list@<ID> --delete
```

4.17 JVM Monitor

- Java Installation Path (Within 255 bytes)

```
clpcfadm.py mod -t jra/path/java --set <Java Installation Path>␣
↪--nocheck
```

- Maximum Java Heap Size (MB)

  Default, 16 (minimum, 7; maximum, 4096)

```
clpcfadm.py mod -t jra/javaopt/xmx --set <Value> --nocheck
```

- Java VM Additional Option (Within 1024 bytes)

```
clpcfset add clsparam jra/javaopt/javaoptex <Java VM Additional␣
↪Option>
```

Note: Enter a hyphen (-) as the first character of an additional option for Java VM.

Log Output Setting

- Log Level

Value
DEBUG
INFO (default)
WARN
ERROR
FATAL

```
clpcfadm.py mod -t jra/log/level --set <Value> --nocheck
```

- Generation

  Default, 10 (minimum, 2; maximum, 100)

```
clpcfadm.py mod -t jra/log/count --set <Value> --nocheck
```

Rotation Type

- Rotation Type

Rotation Type	Value
File size (default)	1
Time	2

```
clpcfadm.py mod -t jra/log/rotation/common --set <Value>␣
↪--nocheck
```

- Max Size (KB)

  Default, 3072 (minimum, 200; maximum, 2097151)

```
clpcfadm.py mod -t jra/log/maxsize --set <Value> --nocheck
```

Note: Set as above with "Rotation Type" set to "File Size".

- Start Time

  Default, 00:00 (00:00 to 23:59)

  ```
  clpcfadm.py mod -t jra/log/timerotation/point --set <Value>␣
  ↪--nocheck
  ```

  Note: Set as above with "Rotation Type" set to "Time".

- Interval (hours)

  Default, 24 (minimum, 1; maximum, 8784)

  ```
  clpcfadm.py mod -t jra/log/timerotation/interval --set <Value>␣
  ↪--nocheck
  ```

  Note: Set as above with "Rotation Type" set to "Time".

Resource Measurement Setting

Common

- Retry Count

  Default, 10 (minimum, 1; maximum, 1440)

  ```
  clpcfadm.py mod -t jra/measure/retry --set <Value> --nocheck
  ```

- Failure Threshold (time)

  Default, 5 (minimum, 1; maximum, 10)

  ```
  clpcfadm.py mod -t jra/change/count --set <Value> --nocheck
  ```

Interval

- Memory Usage,Active Threads (sec)
  Default, 60 (minimum, 15; maximum, 600)
  ```
  clpcfadm.py mod -t jra/measure/interval/value --set <Value>␣
  ↪--nocheck
  ```
- The time and count in Full GC (sec)
  Default, 120 (minimum, 15; maximum, 600)
  ```
  clpcfadm.py mod -t jra/measure/interval/gc --set <Value>␣
  ↪--nocheck
  ```

WebLogic

- Retry Count

  Default, 3 (minimum, 1; maximum, 5)

  ```
  clpcfadm.py mod -t jra/wl/queue/retry --set <Value> --nocheck
  ```

- Failure Threshold (time)

  Default, 5 (minimum, 1; maximum, 10)

  ```
  clpcfadm.py mod -t jra/wl/queue/change/count --set <Value>␣
  ↪--nocheck
  ```

Interval

- The number of request (sec)

Default, 60 (minimum, 15; maximum, 600)

```
clpcfadm.py mod -t jra/wl/queue/measure/interval --set <Value>
↪ --nocheck
```

- The average number of the request (sec)

  Default, 300 (minimum, 15; maximum, 600)

  ```
  clpcfadm.py mod -t jra/wl/queue/average/interval --set <Value>
  ↪ --nocheck
  ```

  Note: For the interval for measuring the average, specify an integral multiple of the measured interval value for Requests.

Connection Setting

- Management Port

  Default, 25500 (minimum, 1; maximum, 65535)

  ```
  clpcfadm.py mod -t jra/admin/port --set <Value> --nocheck
  ```

- Retry Count

  Default, 3 (minimum, 1; maximum, 5)

  ```
  clpcfadm.py mod -t jra/connect/retry --set <Value> --nocheck
  ```

- Waiting time for reconnection (sec)

  Default, 60 (minimum, 15; maximum, 60)

  ```
  clpcfadm.py mod -t jra/connect/wait --set <Value> --nocheck
  ```

- Action Timeout (sec)

  Default, 60 (minimum, 30; maximum, 300)

  ```
  clpcfadm.py mod -t jra/action/wait --set <Value> --nocheck
  ```

4.18 Cloud

Amazon SNS

- Enable Amazon SNS Linkage Function

Enable Amazon SNS Linkage Function	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t cluster/cloud/aws/sns/use --set <Value>
```

- TopicArn (Within 512 bytes)

```
clpcfadm.py mod -t cluster/cloud/aws/sns/topicarn --set <TopicArn>
```

Note: Set as above with "Enable Amazon SNS Linkage Function" set to "Enable".

Amazon CloudWatch

- Enable Amazon CloudWatch Linkage Function

Enable Amazon CloudWatch Linkage Function	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t cluster/cloud/metrics/aws/cloudwatch/use --set
↪<Value>
```

- Namespace (Within 255 bytes)

```
clpcfadm.py mod -t cluster/cloud/metrics/aws/cloudwatch/namespace␣
↪--set <Namespace>
```

Note: Set as above with "Enable Amazon CloudWatch Linkage Function" set to "Enable".

- Interval for Sending Metrics

  Default, 60 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t cluster/cloud/metrics/interval --set <Value>
```

Note: Set as above with "Enable Amazon CloudWatch Linkage Function" set to "Enable".

Command line options (AWS CLI)

AWS CLI Command line options

- aws cloudwatch (Within 2047 bytes)

```
clpcfadm.py mod -t cluster/cloud/aws/cmdopt/cloudwatch --set
↪<Command line options>
```

- aws ec2 (Within 2047 bytes)

```
clpcfadm.py mod -t cluster/cloud/aws/cmdopt/ec2 --set <Command␣
↪line options>
```

- aws route53 (Within 2047 bytes)

```
clpcfadm.py mod -t cluster/cloud/aws/cmdopt/route53 --set
↪<Command line options>
```

- aws sns (Within 2047 bytes)

```
clpcfadm.py mod -t cluster/cloud/aws/cmdopt/sns --set <Command␣
↪line options>
```

Environment variable

Environment variables at the time of performing AWS-related features

- Add

```
clpcfadm.py mod -t cluster/cloud/aws/envs/env@<ID>/name --set
↪<Name> --nocheck
clpcfadm.py mod -t cluster/cloud/aws/envs/env@<ID>/value --set
↪<Value> --nocheck
```

Note:

With only one environment variable, specify 0 for ID.
With more than one environment variable, specify consecutive numbers (e.g., 0, 1, 2...).

- Delete

```
clpcfadm.py mod -t cluster/cloud/aws/envs/env@<ID> --delete
```

4.19 Statistics

Cluster Statistics

- Heartbeat Resource

Heartbeat Resource	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t cluster/perf/log/heartbeat/use --set <Value>
```

  - File Size (MB)

    Default, 50 (minimum, 1; maximum, 50)

```
clpcfadm.py mod -t cluster/perf/log/heartbeat/size --set
↪<Value>
```

Note: Set as above with "Heartbeat Resource" set to "Enable".

- Group

Group	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t cluster/perf/log/group/use --set <Value>
```

  - File Size (MB)

    Default, 1 (minimum, 1; maximum, 5)

```
clpcfadm.py mod -t cluster/perf/log/group/size --set <Value>
```

Note: Set as above with "Group" set to "Enable".

- Group Resource

Group Resource	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t cluster/perf/log/resource/use --set <Value>
```

  - File Size (MB)

    Default, 1 (minimum, 1; maximum, 5)

```
clpcfadm.py mod -t cluster/perf/log/resource/size --set
↪<Value>
```

Note: Set as above with "Group Resource" set to "Enable".

- Monitor Resource

Monitor Resource	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t cluster/perf/log/monitor/use --set <Value>
```

  - File Size (MB)

    Default, 10 (minimum, 1; maximum, 10)

    ```
    clpcfadm.py mod -t cluster/perf/log/monitor/size --set <Value>
    ```

    Note: Set as above with "Monitor Resource" set to "Enable".

Mirror Statistics

- Collect Statistics

Collect Statistics	Value
Collect (default)	1
Do not collect	0

```
clpcfadm.py mod -t diskperf/parameters/perfenable --set <Value>␣
↪--nocheck
```

System Resource Statistics

- Collect Statistics

Collect Statistics	Value
Collect	1
Do not collect (default)	0

```
clpcfadm.py mod -t cluster/sysinfo/collect --set <Value>
```

4.20 Extension

Reboot Limitation

- Max Reboot Count

  Default, 3 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t reg/rc/halt/count --set <Value> --nocheck
  clpcfadm.py mod -t reg/rm/halt/count --set <Value> --nocheck
  ```

  Note: Set each of the <Value> fields to the same value.

  Note: If you set "Max Reboot Count" to 0, the repetition of reboot is not limited.

  Note: If you set "Max Reboot Count" to 0, the reboot count is not reset.

- Max Reboot Count Reset Time (min)

  Default, 60 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t reg/rc/halt/reset --set <Value> --nocheck
  clpcfadm.py mod -t reg/rm/halt/reset --set <Value> --nocheck
  ```

  Note: Set each of the <Value> fields to the same value.

- Auto Return

Auto Return	Value
Yes (default)	1
No	0

```
clpcfadm.py mod -t cluster/autoreturn/common --set <Value>
```

- Grace period of server group failover policy (msec)

  Default, 0 (minimum, 0; maximum, 99999000)

  ```
  clpcfadm.py mod -t cluster/heartbeat/fodelay --set <Value>
  ```

  Note: Specify a value in milliseconds (divisible by 1000).

- Change from OS Stop to OS Restart

Change from OS Stop to OS Restart	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t cluster/override/finalaction --set <Value>
```

Disable Cluster Operation (Recommended for maintenance purposes)

- Group Automatic Startup

Group Automatic Startup	Value
Disable	1
Do not disable (default)	0

```
clpcfadm.py mod -t rc/autostart/group/disable --set <Value>␣
↪--nocheck
```

- Recovery Operation when Group Resource Activation Failure Detected

Recovery Operation when Group Resource Activation Failure Detected	Value
Disable	1
Do not disable (default)	0

```
clpcfadm.py mod -t rc/errordetect/rscact/norecovery --set <Value>␣
↪--nocheck
```

- Recovery Operation when Group Resource Deactivation Failure Detected

Recovery Operation when Group Resource Deactivation Failure Detected	Value
Disable	1
Do not disable (default)	0

```
clpcfadm.py mod -t rc/errordetect/rscdeact/norecovery --set <Value>
↪ --nocheck
```

- Recovery Action when Monitor Resource Failure Detected

Recovery Action when Monitor Resource Failure Detected	Value
Disable	1
Do not disable (default)	0

```
clpcfadm.py mod -t rm/errordetect/norecovery --set <Value>
```

- Failover when Server Failure Detected

Failover when Server Failure Detected	Value
Disable	1
Do not disable (default)	0

```
clpcfadm.py mod -t rc/svdowndetect/nofailover --set <Value>␣
↪--nocheck
```

Settings of log storage period

- Use log storage period feature

Use log storage period feature	Value
Use	1
Do not use (default)	0

```
clpcfadm.py mod -t cluster/logarc/use --set <Value>
```

Note: To set the following items, set "Use log storage period feature" to "Use" in advance.

- Store log for (days)

  Default, 7 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t cluster/logarc/period --set <Value>
  ```

- Log storage destination (Within 170 bytes)

  ```
  clpcfadm.py mod -t cluster/logarc/path --set <Log storage␣
  ↪destination>
  ```

- Log storage timing

  Default, None (00:00 to 23:59)

  ```
  clpcfadm.py mod -t cluster/logarc/time --set <Value>
  ```

CHAPTER

FIVE

CONFIGURING A SERVER

Note:

The command lines in this chapter use **srv1** as the server name.
Change it to suit your environment.

5.1 Adding a server

Be sure to set the following items. For details, see "*Setting server parameters*".

Item (mandatory)
Server name
Priority

```
clpcfadm.py add srv srv1 <Priority>
```

Note: Of the cluster properties, configure the interconnect in advance.

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

5.2 Setting parameters common to servers

Priority of servers that can start

```
clpcfadm.py mod -t server@<Server name>/priority --set <Priority of␣
↪servers that can start>
```

Note:

For the master server, specify 0 for Priority of servers that can start.
For servers other than the master server, specify consecutive numbers (e.g., 1, 2, 3...).

Server group

Add

```
clpcfadm.py mod -t servergroup@<Server group name>/comment --set
↪<Comment> --nocheck
clpcfadm.py mod -t servergroup@<Server group name>/policy@<Server␣
↪name>/order --set <Priority> --nocheck
```

Note: Enclose in double quotes a comment including spaces (e.g., "Sample Comment").

Note:

With only one server belonging to the server group, specify 0 for Priority.
With more than one server belonging to the server group, specify consecutive numbers (e.g., 0, 1, 2...).

Delete

```
clpcfadm.py mod -t servergroup@<Server group name> --delete
```

5.3 Setting server parameters

5.3.1 Basic information

- Server Name (Within 31 bytes)

  This is set when the server is added. To change the server name, delete the server and set it again

- Comment (Within 127 bytes)

```
clpcfadm.py mod -t server@srv1/comment --set <Comment> --nocheck
```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

5.3.2 Warning Light

Add (Edit)

- Warning Light

Warning Light	Value
DN-1000S / DN-1000R / DN-1300GL (default)	dn1000s
DN-1500GL	dn1500gl
NH-FB series / NH-FB1 series	patlite
NH-FV1 series	nhfv1

```
clpcfadm.py mod -t server@srv1/device@20000/type --set <Value>␣
↪--nocheck
```

Important: To change the setting for "Warning Light", set as follows:

```
clpcfadm.py mod -t server@srv1/device@20000/normal/voice --set ""␣
↪--nocheck
clpcfadm.py mod -t server@srv1/device@20000/normal/voicefile --set␣
↪"" --nocheck
clpcfadm.py mod -t server@srv1/device@20000/error/voice --set ""␣
↪--nocheck
clpcfadm.py mod -t server@srv1/device@20000/error/voicefile --set␣
↪"" --nocheck
```

- IP Address

```
clpcfadm.py mod -t server@srv1/device@20000/info --set <Value>␣
↪--nocheck
```

  - User Name (Within 255 bytes)

```
clpcfadm.py mod -t server@srv1/device@20000/user --set <Value>
↪ --nocheck
```

  - Password (Within 255 bytes)

```
clpcfadm.py mod -t server@srv1/device@20000/password --set
↪<Value> --nocheck
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Set rsh Command File Path

Set rsh Command File Path	Value
Set	1
Do not set (default)	0

```
clpcfadm.py mod -t server@srv1/device@20000/rsh --set <Value>␣
↪--nocheck
```

  - File Path (Within 1023 bytes)

```
clpcfadm.py mod -t server@srv1/device@20000/rshpath --set
↪<Value> --nocheck
```

Note: Set as above with "Set rsh Command File Path" set to "Set".

- Alert When Server Starts

Alert When Server Starts	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t server@srv1/device@20000/normal/voice --set
↪<Value> --nocheck
```

Note: Set as above with "Warning Light" set to "DN-1500GL" or "NH-FV1 series".

- Voice File No.

If "Warning Light" is set to "DN-1500GL" Default, 01 (minimum, 01; maximum, 20)

If "Warning Light" is set to "NH-FV1 series" Default, 65 (minimum, 01; maximum, 70)

```
clpcfadm.py mod -t server@srv1/device@20000/normal/voicefile --set
↪<Value> --nocheck
```

Note: Set as above with "Alert When Server Starts" set to "Yes".

- Alert When Server Stops

Alert When Server Stops	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t server@srv1/device@20000/error/voice --set
↪<Value> --nocheck
```

Note: Set as above with "Warning Light" set to "DN-1500GL" or "NH-FV1 series".

- Voice File No.

  If "Warning Light" is set to "DN-1500GL" Default, 02 (minimum, 01; maximum, 20)

  If "Warning Light" is set to "NH-FV1 series" Default, 66 (minimum, 01; maximum, 70)

  ```
  clpcfadm.py mod -t server@srv1/device@20000/error/voicefile --set
  ↪<Value> --nocheck
  ```

  Note: Set as above with "Alert When Server Starts" set to "Yes".

Delete

```
clpcfadm.py mod -t server@srv1/device@20000 --delete
```

5.3.3 HBA

- HBAs to be managed by the cluster system

  Add

  ```
  clpcfadm.py add hba srv1 <ID> <Port Number> <HBA Device ID> <HBA␣
  ↪Instance ID>
  ```

  Note:

  With only one HBA to be managed by the cluster system, specify 0 for ID.
  With more than one HBA to be managed by the cluster system, specify consecutive numbers (e.g., 0, 1, 2...).

  Note:

  The port number, the HBA device ID, and the HBA instance ID can be retrieved by using the clpdiskctrl command.
  For details, see "*clpdiskctrl command*".

  Delete

  ```
  clpcfadm.py del hba srv1 <ID>
  ```

- Partition excluded from cluster management

  Add

```
clpcfadm.py mod -t server@<Server name>/hba@<ID>/vol@<Volume ID>/
↪volumeguid --set <GUID> --nocheck
clpcfadm.py mod -t server@<Server name>/hba@<ID>/vol@<Volume ID>/
↪volumemountpoint --set <Drive letter> --nocheck
```

Note:

With only one HBA to be managed by the cluster system, specify 0 for ID.
With more than one HBA to be managed by the cluster system, specify consecutive numbers (e.g., 0, 1, 2...).

Note:

With only one partition excluded from cluster management, specify 0 for Volume ID.
With more than one partition excluded from cluster management, specify consecutive numbers (e.g., 0, 1, 2...).

Note:

The GUID can be retrieved by using the clpdiskctrl command.
For details, see "*clpdiskctrl command*".

Delete

```
clpcfadm.py mod -t server@<Server name>/hba@<ID>/vol@<Volume ID>␣
↪--delete
```

5.3.4 Proxy

- Proxy Scheme

Proxy Scheme	Value
None (default)	0
HTTP	1

```
clpcfadm.py mod -t server@srv1/proxy/scheme --set <Value>
```

- Proxy Server (Within 255 bytes)

```
clpcfadm.py mod -t server@srv1/proxy/server --set <Proxy Server>
```

Note: Set as above with "Proxy Scheme" set to "HTTP".

- Proxy Port

Default, None (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t server@srv1/proxy/port --set <Value>
```

Note: Set as above with "Proxy Scheme" set to "HTTP".

5.4 Deleting a server

Specify and delete a server name.

```
clpcfadm.py del srv srv1
```

CHAPTER

SIX

CONFIGURING A GROUP

Note:

The command lines in this chapter use **failover1** as the group name.
Change it to suit your environment.

6.1 Adding a group

Be sure to set the following items. For details, see "*Setting group parameters*".

Item (mandatory)
Group name

Group type	Value
Failover group	failover
Management group	ManagementGroup

```
clpcfadm.py add grp <Group type> <Group name>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

6.2 Setting parameters common to groups

6.2.1 Exclusion

Add

```
clpcfadm.py mod -t xclrule@<Exclusion Name> --set "" --nocheck
clpcfadm.py mod -t xclrule@<Exclusion Name>/comment --set <Comment>␣
↪--nocheck
clpcfadm.py mod -t xclrule@<Exclusion Name>/type --set <Exclusive␣
↪Attribute> --nocheck
clpcfadm.py mod -t xclrule@<Exclusion Name>/group@<Exclusive Group> --set␣
↪"" --nocheck
clpcfadm.py mod -t xclrule@<Exclusion Name>/order --set 0 --nocheck
```

- Exclusion Name (Within 31 bytes)

  ```
  clpcfadm.py mod -t xclrule@<Exclusion Name> --set "" --nocheck
  ```

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t xclrule@<Exclusion Name>/comment --set <Comment>
  ↪ --nocheck
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

- Exclusive Attribute

Exclusive Attribute	Value
Normal Exclusion (default)	normal
Absolute Exclusion	high

  ```
  clpcfadm.py mod -t xclrule@<Exclusion Name>/type --set <Value>␣
  ↪--nocheck
  ```

- Exclusive Group

  Add

  ```
  clpcfadm.py mod -t xclrule@<Exclusion Name>/group@<Exclusive␣
  ↪Group> --set "" --nocheck
  ```

  Delete

  ```
  clpcfadm.py mod -t xclrule@<Exclusion Name>/group@<Exclusive␣
  ↪Group> --delete
  ```

Delete

```
clpcfadm.py mod -t xclrule@<Exclusion Name> --delete
```

6.3 Setting group parameters

6.3.1 Basic information

- Use Server Group Settings

  Set

  ```
  clpcfadm.py mod -t group@failover1/svgpolicy@<ID>/order --set <The priority of a server group> --nocheck
  clpcfadm.py mod -t group@failover1/svgpolicy@<ID>/svgname --set <Server group name> --nocheck
  clpcfadm.py mod -t group@failover1/policy@<Server name>/order --set <Priority> --nocheck
  ```

  Delete

  ```
  clpcfadm.py mod -t group@failover1/svgpolicy@<ID> --delete
  clpcfadm.py mod -t group@failover1/policy --delete
  ```

- Group Name (Within 31 bytes)

  This is set when the group is added. To change the group name, delete the group and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t group@failover1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

6.3.2 Startup Server

- Failover is possible at all servers (default)

  ```
  clpcfadm.py mod -t group@failover1/policy@<Server name> --delete
  ```

  Note: Delete all configured servers.

- Set Up Individually

  Add

  ```
  clpcfadm.py mod -t group@failover1/policy@<Server name>/order --set <The priority of starting up> --nocheck
  ```

  Delete

  ```
  clpcfadm.py mod -t group@failover1/policy@<Server name> --delete
  ```

6.3.3 Attribute

- Startup Attribute

Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t group@failover1/start --set <Value>
```

- Execute Multi-Failover-Service Check

Execute Multi-Failover-Service Check	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t group@failover1/checksvv/use --set <Value>
```

- Timeout (sec)

  Default, 300 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t group@failover1/checksvv/preactping/timeout --set
↪<Value>
```

Note: Set as above with "Execute Multi-Failover-Service Check" set to "Check".

Failover Attribute

- Failover Attribute

  Automatic failover

  - Use startable server settings

    ```
    clpcfadm.py mod -t group@failover1/failover --set 1
    ```

  - Failover dynamically

    ```
    clpcfadm.py mod -t group@failover1/failover --set 100
    ```

    * Prioritize server group failover policy

Prioritize server group failover policy	Value
Prioritize	1
Do not prioritize (default)	0

```
clpcfadm.py mod -t group@failover1/autonomic/functype/
↪srvgrp/use --set <Value>
```

    * Perform a Smart Failover

Perform a Smart Failover	Value
Perform smart failover	1
Do not perform smart failover (default)	0

```
clpcfadm.py mod -t group@failover1/autonomic/functype/
↪sra/use --set <Value>
```

  - Prioritize server group failover policy

    ```
    clpcfadm.py mod -t group@failover1/failover --set 200
    ```

* Enable only manual failover among the server groups
  `clpcfadm.py mod -t group@failover1/failover --set 201`

– Manual failover

```
clpcfadm.py mod -t group@failover1/failover --set 0
```

Failover Attribute (Advanced)

- Exclude Server with Error Detected by Specified Monitor Resource, from Failover Destination

Exclude Server with Error Detected by Specified Monitor Resource, from Failover Destination	Value
Exclude	1
Do not exclude (default)	0

```
clpcfadm.py mod -t group@failover1/autonomic/blacklist/use --set
↪<Value>
```

Edit Monitor

Note: To set the following items, set "Exclude Server with Error Detected by Specified Monitor Resource, from Failover Destination" to "Exclude" in advance.

- Monitor resource type

Add

Monitor resource type	Value
Application monitor	appliw
AWS AZ monitor	awsazw
AWS DNS monitor	awsdnsw
AWS Elastic IP monitor	awseipw
AWS Secondary IP monitor	awssipw
AWS Virtual IP monitor	awsvipw
Azure DNS monitor	azurednsw
Azure load balance monitor	azurelbw
Azure probe port monitor	azureppw
CIFS monitor	cifsw
DB2 monitor	db2w
Disk RW monitor	diskw
Floating IP monitor	fipw
FTP monitor	ftpw
Google Cloud DNS monitor	gcdnsw
Google Cloud load balance monitor	gclbw
Google Cloud Virtual IP monitor	gcvipw
Custom monitor	genw
HTTP monitor	httpw
IMAP4 monitor	imap4w
IP monitor	ipw
JVM monitor	jraw

Continued on next page

Table 6.9 – continued from previous page

Monitor resource type	Value
NIC Link Up/Down monitor	miiw
Message receive monitor	mrw
Oracle Cloud DNS monitor	ocdnsw
Oracle Cloud load balance monitor	oclbw
Oracle Cloud Virtual IP monitor	ocvipw
ODBC monitor	odbcw
Oracle monitor	oraclew
WebOTX monitor	otxw
POP3 monitor	pop3w
PostgreSQL monitor	psqlw
Process resource monitor	psrw
Process name monitor	psw
Disk TUR monitor	sdw
Service monitor	servicew
SMTP monitor	smtpw
SQL Server monitor	sqlserverw
System monitor	sraw
Tuxedo monitor	tuxw
Virtual IP monitor	vipw
WebSphere monitor	wasw
WebLogic monitor	wlsw

```
clpcfadm.py mod -t group@failover1/autonomic/functype/
↪blacklist/target --set <Value>
```

Note: To add two or more monitor resource types, put commas (,) to separate them.

```
clpcfadm.py mod -t group@failover1/autonomic/functype/
↪blacklist/target --set ipw,miiw
```

Delete

```
clpcfadm.py mod -t group@failover1/autonomic/functype/
↪blacklist/target --delete
```

Important: Delete all set monitor resource types.

- Monitor resource group

Add

```
clpcfadm.py mod -t group@failover1/autonomic/functype/
↪blacklist/targetgrp@0/rsc@<Monitor resource name> --set␣
↪"" --nocheck
```

Delete

```
clpcfadm.py mod -t group@failover1/autonomic/functype/
↪blacklist/targetgrp@0/rsc@<Monitor resource name> --delete
```

- Failover with Error Ignored If It Is Detected in All Servers

Failover with Error Ignored If It Is Detected in All Servers	Value
Fail over	1
Do not fail over (default)	0

```
clpcfadm.py mod -t group@failover1/autonomic/forcefo/use --set
↪<Value>
```

Note: Set as above with "Exclude Server with Error Detected by Specified Monitor Resource, from Failover Destination" set to "Exclude".

Failback Attribute

- Failback Attribute

Failback Attribute	Value
Automatic failback	1
Manual failback (default)	0

```
clpcfadm.py mod -t group@failover1/failback --set <Value>
```

6.3.4 Start Dependency

- Dependent Group

  Add

  ```
  clpcfadm.py mod -t group@failover1/depend/act/depend@<Group Name>␣
  ↪--set "" --nocheck
  ```

  Delete

  ```
  clpcfadm.py mod -t group@failover1/depend/act/depend@<Group Name>␣
  ↪--delete
  ```

Properties

- Wait Only when on the Same Server

Wait Only when on the Same Server	Value
Wait	1
Do not wait (default)	0

```
clpcfadm.py mod -t group@failover1/depend/act/depend@<Server name>/
↪sameserver --set <Value> --nocheck
```

- Start Wait Time (sec)

  Default, 1800 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t group@failover1/depend/act/timeout --set <Value>
  ```

6.3.5 Stop Dependency

- Dependent Group

  Add

  ```
  clpcfadm.py mod -t group@failover1/depend/deact/depend@<Group Name>
  ↪ --set "" --nocheck
  ```

  Delete

  ```
  clpcfadm.py mod -t group@failover1/depend/deact/depend@<Group Name>
  ↪ --delete
  ```

- Start Wait Time (sec)

  Default, 1800 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t group@failover1/depend/deact/timeout --set <Value>
  ```

- Wait the Dependent Groups when a Cluster Stops

Wait the Dependent Groups when a Cluster Stops	Value
Wait for the stop (default)	1
Do not wait for the stop	0

  ```
  clpcfadm.py mod -t group@failover1/depend/deact/cluster/use --set
  ↪<Value>
  ```

- Wait the Dependent Groups when a Server Stops

Wait the Dependent Groups when a Server Stops	Value
Wait for the stop	1
Do not wait for the stop (default)	0

  ```
  clpcfadm.py mod -t group@failover1/depend/deact/server/use --set
  ↪<Value>
  ```

- Wait the Dependent Groups when a Group Stops

Wait the Dependent Groups when a Group Stops	Value
Wait for the stop	1
Do not wait for the stop (default)	0

  ```
  clpcfadm.py mod -t group@failover1/depend/deact/other/use --set
  ↪<Value>
  ```

- If stopping a target group fails, await the timeout

If stopping a target group fails, await the timeout	Value
Yes (default)	1
No	0

  ```
  clpcfadm.py mod -t group@failover1/depend/deact/failedbutwait --set
  ↪<Value>
  ```

  Note:

Set as above with any of the following items set to "Yes":
- "Wait the Dependent Groups when a Cluster Stops"
- "Wait the Dependent Groups when a Server Stops"
- "Wait the Dependent Groups when a Group Stops"

6.4 Deleting a group

Specify and delete a group name.

```
clpcfadm.py del grp failover1
```

CHAPTER

SEVEN

CONFIGURING GROUP RESOURCES

7.1 Application resource

Note:

The command lines in this section use **appli1** as the group resource name.
Change it to suit your environment.

7.1.1 Adding an application resource

Be sure to set the following items. For details, see "*Setting application resource parameters*".

Item (mandatory)
Group resource name
Start Path

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> appli␣
↪appli1
clpcfadm.py mod -t resource/appli@appli1/parameters/actpath --set <Start␣
↪Path>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.1.2 Setting application resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/appli@appli1/comment --set <Comment>
  ```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep appli appli1
```

- Set a parent resource

```
clpcfadm.py add rscdep appli appli1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep appli appli1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/appli@appli1/depend@<Parent resource name>
↪ --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/appli@appli1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/appli@appli1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/appli@appli1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/appli@appli1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/appli@appli1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/appli@appli1/act/preaction/path␣
↪--set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/appli@appli1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/appli@appli1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/appli@appli1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1

Continued on next page

Table 7.6 – continued from previous page

Final Action	Value
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/appli@appli1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/appli@appli1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/appli@appli1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/appli@appli1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/appli@appli1/deact/preaction/
↪account --set <Exec User>
```

Details

- Resident Type

Resident Type	Value
Resident (default)	1
Non-Resident	0

```
clpcfadm.py mod -t resource/appli@appli1/parameters/resident --set
↪<Value>
```

- Start Path (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/actpath --set
↪<Start Path>
```

- Stop Path (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/deactpath --set
↪<Stop Path>
```

Tuning

Parameter

Start

- (Start) Synchronization type

(Start) Synchronization type	Value
Synchronous (default)	1
Asynchronous	0

```
clpcfadm.py mod -t resource/appli@appli1/parameters/actsync␣
↪--set <Value>
```

– Timeout (sec)
  Default, 1800 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪acttimeout --set <Value>
```

> **Note:** Set as above with "(Start) Synchronization type" set to "Synchronous".

– Normal Return Value

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪actnormalval --set <Value>
```

> **Note:** Set as above with "(Start) Synchronization type" set to "Synchronous".

Stop

- (Stop) Synchronization type

(Stop) Synchronization type	Value
Synchronous (default)	1

Continued on next page

Table 7.11 – continued from previous page

(Stop) Synchronization type	Value
Asynchronous	0

```
clpcfadm.py mod -t resource/appli@appli1/parameters/deactsync␣
↪--set <Value>
```

– Timeout (sec)
  Default, 1800 (minimum, 1; maximum, 9999)
  ```
  clpcfadm.py mod -t resource/appli@appli1/parameters/
  ↪deacttimeout --set <Value>
  ```

  Note: Set as above with "(Stop) Synchronization type" set to "Synchronous".

– Normal Return Value
  ```
  clpcfadm.py mod -t resource/appli@appli1/parameters/
  ↪deactnormalval --set <Value>
  ```

  Note: Set as above with "(Stop) Synchronization type" set to "Synchronous".

- Target VCOM Resource Name

```
clpcfadm.py mod -t resource/appli@appli1/parameters/target␣
↪--set <Target VCOM Resource Name>
```

- Allow to Interact with Desktop

Allow to Interact with Desktop	Value
Allow	1
Do not allow (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪actinteractive --set <Value>
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪deactinteractive --set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Kill the application when exit

Kill the application when exit	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/parameters/termination␣
↪--set <Value>
```

Note: Set as above with "Resident Type" set to "Resident".

- Exec User

Default: (Set Up Individually)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/account␣
↪--set <Exec User>
```

Note: To change the current setting to "Set Up Individually", set as follows:

```
clpcfadm.py mod -t resource/appli@appli1/parameters/account␣
↪--delete
```

Start

- Current Directory (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪actdirectory --set <Current Directory>
```

- Option Parameter (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/actoption␣
↪--set <Option Parameter>
```

- Window Size

Window Size	Value
Hide (default)	0
Normal	1
Maximize	2
Minimize	3

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪actwindowsize --set <Value>
```

Exec User

- Domain

```
clpcfadm.py mod -t resource/appli@appli1/parameters/actdomain␣
↪--set <Domain>
```

- Account

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪actaccount --set <Account>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪actpassword --set <Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Execute from the command prompt

Execute from the command prompt	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/parameters/actcmd␣
↪--set <Value>
```

Stop

- Current Directory (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪deactdirectory --set <Current Directory>
```

- Option Parameter (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/deactoption␣
↪--set <Option Parameter>
```

- Window Size

Window Size	Value
Hide (default)	0
Normal	1
Maximize	2
Minimize	3

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪deactwindowsize --set <Value>
```

Exec User

- Domain

```
clpcfadm.py mod -t resource/appli@appli1/parameters/deactdomain␣
↪--set <Domain>
```

- Account

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪deactaccount --set <Account>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/parameters/
↪deactpassword --set <Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Execute from the command prompt

Execute from the command prompt	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/parameters/deactcmd␣
↪--set <Value>
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/appli@appli1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

> **Note:** If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/appli@appli1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/appli@appli1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/appli@appli1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/appli@appli1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/appli@appli1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/appli@appli1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/appli@appli1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/appli@appli1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/appli@appli1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/appli@appli1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/appli@appli1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/appli@appli1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/appli@appli1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/appli@appli1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/appli@appli1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/appli@appli1/postact/timeout␣
↪--set <Value>
```

```
clpcfadm.py mod -t resource/appli@appli1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/appli@appli1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/appli@appli1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/appli@appli1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/appli@appli1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.1.3 Deleting an application resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪appli appli1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.2 AWS DNS resource

Note:

The command lines in this section use **awsdns1** as the group resource name.
Change it to suit your environment.

7.2.1 Adding an AWS DNS resource

Be sure to set the following items. For details, see "*Setting AWS DNS resource parameters*".

Item (mandatory)
Group resource name
Hosted Zone ID
Resource Record Set Name
IP Address

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪awsdns awsdns1
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/hostedzoneid --set
↪<Hosted Zone ID>
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/recordset --set
↪<Resource Record Set Name>
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/ip --set <IP␣
↪Address (Common)>
clpcfadm.py mod -t resource/awsdns@awsdns1/server@<Server name>/
↪parameters/ip --set <IP Address (Individual)> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.2.2 Setting AWS DNS resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/awsdns@awsdns1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep awsdns awsdns1
```

- Set a parent resource

```
clpcfadm.py add rscdep awsdns awsdns1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep awsdns awsdns1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/awsdns@awsdns1/depend@<Parent resource␣
↪name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/awsdns@awsdns1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5

Continued on next page

Table 7.29 – continued from previous page

Final Action	Value
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/awsdns@awsdns1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/awsdns@awsdns1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/awsdns@awsdns1/deact/preaction/
↪account --set <Exec User>
```

Details

Common

- Hosted Zone ID (Within 255 bytes)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/hostedzoneid␣
↪--set < Hosted Zone ID>
```

- Resource Record Set Name (Within 255 bytes)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/recordset␣
↪--set <Resource Record Set Name>
```

- IP Address

```
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/ip --set <IP␣
↪Address>
```

- TTL (sec)

  Default, 300 (minimum, 0; maximum, 2147483647)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/ttl --set
↪<Value>
```

- Delete a resource record set at deactivation

Delete a resource record set at deactivation	Value
Delete	1
Do not delete (default)	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/delete --set
↪<Value>
```

Tuning

AWS CLI

- Timeout (sec)

  Default, 100 (minimum, 1; maximum, 999)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/parameters/
↪awsclitimeout --set <Value>
```

Set Up Individually

Set the following for each server.

- IP Address

```
clpcfadm.py mod -t resource/awsdns@awsdns1/server@<Server name>/
↪parameters/ip --set <IP Address> --nocheck
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awsdns@awsdns1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awsdns@awsdns1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awsdns@awsdns1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awsdns@awsdns1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/awsdns@awsdns1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/awsdns@awsdns1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/awsdns@awsdns1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/awsdns@awsdns1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/awsdns@awsdns1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/awsdns@awsdns1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/awsdns@awsdns1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awsdns@awsdns1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awsdns@awsdns1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awsdns@awsdns1/postact/timeout␣
↪--set <Value>
```

```
clpcfadm.py mod -t resource/awsdns@awsdns1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/awsdns@awsdns1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awsdns@awsdns1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awsdns@awsdns1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awsdns@awsdns1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.2.3 Deleting an AWS DNS resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪awsdns awsdns1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.3 AWS Elastic IP resource

Note:

The command lines in this section use **awseip1** as the group resource name.
Change it to suit your environment.

7.3.1 Adding an AWS Elastic IP resource

Be sure to set the following items. For details, see "*Setting AWS Elastic IP resource parameters*".

Item (mandatory)
Group resource name
EIP ALLOCATION ID
ENI ID

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪awseip awseip1
clpcfadm.py mod -t resource/awseip@awseip1/parameters/allocid --set <EIP␣
↪ALLOCATION ID>
clpcfadm.py mod -t resource/awseip@awseip1/parameters/eniid --set <ENI ID␣
↪(Common)>
clpcfadm.py mod -t resource/awseip@awseip1/server@<Server name>/
↪parameters/eniid --set <ENI ID (Individual)> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.3.2 Setting AWS Elastic IP resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/awseip@awseip1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep awseip awseip1
```

- Set a parent resource

```
clpcfadm.py add rscdep awseip awseip1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep awseip awseip1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/awseip@awseip1/depend@<Parent resource␣
↪name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awseip@awseip1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/awseip@awseip1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awseip@awseip1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/awseip@awseip1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awseip@awseip1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awseip@awseip1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awseip@awseip1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/awseip@awseip1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awseip@awseip1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/awseip@awseip1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awseip@awseip1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5

Continued on next page

Table 7.44 – continued from previous page

Final Action	Value
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/awseip@awseip1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awseip@awseip1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awseip@awseip1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awseip@awseip1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/awseip@awseip1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awseip@awseip1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/awseip@awseip1/deact/preaction/
↪account --set <Exec User>
```

Details

Common

- EIP ALLOCATION ID (Within 255 bytes)

```
clpcfadm.py mod -t resource/awseip@awseip1/parameters/allocid␣
↪--set <EIP ALLOCATION ID>
```

- ENI ID (Within 45 bytes)

```
clpcfadm.py mod -t resource/awseip@awseip1/parameters/eniid --set
↪<ENI ID>
```

Tuning

AWS CLI

- Timeout (sec)
  Default, 100 (minimum, 1; maximum, 999)

```
clpcfadm.py mod -t resource/awseip@awseip1/parameters/
↪awsclitimeout --set <Value>
```

Set Up Individually

Set the following for each server.

- ENI ID

```
clpcfadm.py mod -t resource/awseip@awseip1/server@<Server name>/
↪parameters/eniid --set <ENI ID> --nocheck
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/awseip@awseip1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awseip@awseip1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awseip@awseip1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awseip@awseip1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awseip@awseip1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awseip@awseip1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awseip@awseip1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/awseip@awseip1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/awseip@awseip1/postact/path --set
```

```
↪<File>
clpcfadm.py mod -t resource/awseip@awseip1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/awseip@awseip1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/awseip@awseip1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/awseip@awseip1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/awseip@awseip1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awseip@awseip1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/awseip@awseip1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awseip@awseip1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.3.3 Deleting an AWS Elastic IP resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪awseip awseip1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.4 AWS Secondary IP resource

Note:

The command lines in this section use **awssip1** as the group resource name.
Change it to suit your environment.

7.4.1 Adding an AWS Secondary IP resource

Be sure to set the following items. For details, see "*Setting AWS Secondary IP resource parameters*".

Item (mandatory)
Group resource name
IP Address
ENI ID

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪awssip awssip1
clpcfadm.py mod -t resource/awssip@awssip1/parameters/ip --set <IP␣
↪Address>
clpcfadm.py mod -t resource/awssip@awssip1/parameters/eniid --set <ENI ID␣
↪(Common)>
clpcfadm.py mod -t resource/awssip@awssip1/server@<Server name>/
↪parameters/eniid --set <ENI ID (Individual)> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.4.2 Setting AWS Secondary IP resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/awssip@awssip1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep awssip awssip1
```

- Set a parent resource

```
clpcfadm.py add rscdep awssip awssip1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep awssip awssip1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/awssip@awssip1/depend@<Parent resource␣
↪name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awssip@awssip1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/awssip@awssip1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awssip@awssip1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/awssip@awssip1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awssip@awssip1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awssip@awssip1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awssip@awssip1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/awssip@awssip1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awssip@awssip1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/awssip@awssip1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awssip@awssip1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5

Continued on next page

Table 7.58 – continued from previous page

Final Action	Value
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/awssip@awssip1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awssip@awssip1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awssip@awssip1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awssip@awssip1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/awssip@awssip1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awssip@awssip1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/awssip@awssip1/deact/preaction/
↪account --set <Exec User>
```

Details

Common

- IP Address

```
clpcfadm.py mod -t resource/awssip@awssip1/parameters/ip --set <IP␣
↪Address>
```

- ENI ID (Within 48 bytes)

```
clpcfadm.py mod -t resource/awssip@awssip1/parameters/eniid --set
↪<ENI ID>
```

Tuning

- Start Timeout (sec)

  Default, 180 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awssip@awssip1/parameters/
↪acttimeout --set <Value>
```

- Stop Timeout (sec)

  Default, 180 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awssip@awssip1/parameters/
↪deacttimeout --set <Value>
```

Set Up Individually

Set the following for each server.

- ENI ID (Within 48 bytes)

```
clpcfadm.py mod -t resource/awssip@awssip1/server@<Server name>/
↪parameters/eniid --set <ENI ID> --nocheck
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/awssip@awssip1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1

Continued on next page

Table 7.62 – continued from previous page

Execute Script before Activation	Value
Do not check (default)	0

```
clpcfadm.py mod -t resource/awssip@awssip1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awssip@awssip1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awssip@awssip1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awssip@awssip1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awssip@awssip1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awssip@awssip1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/awssip@awssip1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/awssip@awssip1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/awssip@awssip1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/awssip@awssip1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/awssip@awssip1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/awssip@awssip1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/awssip@awssip1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awssip@awssip1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/awssip@awssip1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awssip@awssip1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.4.3 Deleting an AWS Secondary IP resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪awssip awssip1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.5 AWS Virtual IP resource

Note:

The command lines in this section use **awsvip1** as the group resource name.
Change it to suit your environment.

7.5.1 Adding an AWS Virtual IP resource

Be sure to set the following items. For details, see "*Setting AWS Virtual IP resource parameters*".

Item (mandatory)
Group resource name
IP Address
VPC ID
ENI ID

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪awsvip awsvip1
clpcfadm.py mod -t resource/awsvip@awsvip1/parameters/ip --set <IP␣
↪Address>
clpcfadm.py mod -t resource/awsvip@awsvip1/parameters/vpcid --set <VPC ID␣
↪(Common)>
clpcfadm.py mod -t resource/awsvip@awsvip1/server@<Server name>/
↪parameters/vpcid --set <VPC ID (Individual)> --nocheck
clpcfadm.py mod -t resource/awsvip@awsvip1/parameters/eniid --set <ENI ID␣
↪(Common)>
clpcfadm.py mod -t resource/awsvip@awsvip1/server@<Server name>/
↪parameters/eniid --set <ENI ID (Individual)> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.5.2 Setting AWS Virtual IP resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/awsvip@awsvip1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep awsvip awsvip1
```

- Set a parent resource

```
clpcfadm.py add rscdep awsvip awsvip1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep awsvip awsvip1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/awsvip@awsvip1/depend@<Parent resource␣
↪name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/awsvip@awsvip1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5

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Table 7.72 – continued from previous page

Final Action	Value
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/awsvip@awsvip1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/awsvip@awsvip1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/awsvip@awsvip1/deact/preaction/
↪account --set <Exec User>
```

Details

Common

- IP Address

```
clpcfadm.py mod -t resource/awsvip@awsvip1/parameters/ip --set <IP␣
↪Address>
```

- VPC ID (Within 45 bytes)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/parameters/vpcid --set
↪<VPC ID>
```

- ENI ID (Within 45 bytes)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/parameters/eniid --set
↪<ENI ID>
```

Tuning

- Start Timeout (sec)

  Default, 300 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/parameters/
↪acttimeout --set <Value>
```

- Stop Timeout (sec)

  Default, 60 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/parameters/
↪deacttimeout --set <Value>
```

Set Up Individually

Set the following for each server.

- VPC ID (Within 45 bytes)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/server@<Server name>/
↪parameters/vpcid --set <VPC ID> --nocheck
```

- ENI ID (Within 45 bytes)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/server@<Server name>/
↪parameters/eniid --set <ENI ID> --nocheck
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/awsvip@awsvip1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awsvip@awsvip1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/awsvip@awsvip1/postact/default␣
↪--set <Value>
```

```
clpcfadm.py mod -t resource/awsvip@awsvip1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/awsvip@awsvip1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/awsvip@awsvip1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/awsvip@awsvip1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/awsvip@awsvip1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/awsvip@awsvip1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/awsvip@awsvip1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/awsvip@awsvip1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/awsvip@awsvip1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awsvip@awsvip1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awsvip@awsvip1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/awsvip@awsvip1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/awsvip@awsvip1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awsvip@awsvip1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awsvip@awsvip1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/awsvip@awsvip1/postdeact/account␣
```

```
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.5.3 Deleting an AWS Virtual IP resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪awsvip awsvip1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.6 Azure DNS resource

Note:

The command lines in this section use **azuredns1** as the group resource name.
Change it to suit your environment.

7.6.1 Adding an Azure DNS resource

Be sure to set the following items. For details, see "*Setting Azure DNS resource parameters*".

Item (mandatory)
Group resource name
Record Set Name
Zone Name
IP Address
Resource Group Name
User URI
Tenant ID
File Path of Service Principal
Azure CLI File Path

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪azuredns azuredns1
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/recordset --set
↪<Record Set Name>
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/zone --set
↪<Zone Name>
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/ip --set <IP␣
↪Address (Common)>
clpcfadm.py mod -t resource/azuredns@azuredns1/server@<Server name>/
↪parameters/ip --set <IP Address (Individual)> --nocheck
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/resourcegroup␣
↪--set <Resource Group Name>
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/uri --set <User␣
↪URI>
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/tenantid --set
↪<Tenant ID>
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/certfile --set
↪<File Path of Service Principal>
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/azurecli --set
↪<Azure CLI File Path>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.6.2 Setting Azure DNS resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/comment --set <Comment>
```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep azuredns azuredns1
```

- Set a parent resource

```
clpcfadm.py add rscdep azuredns azuredns1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep azuredns azuredns1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/azuredns@azuredns1/depend@<Parent␣
↪resource name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/retry --set
↪<Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/mode --set
↪<Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/fo2 --set
```

```
↪<Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/preaction/
↪timeout --set <Value>
```

– Exec User

```
clpcfadm.py mod -t resource/azuredns@azuredns1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/azuredns@azuredns1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

– File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/deact/
↪preaction/default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

– File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/deact/
↪preaction/path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/azuredns@azuredns1/deact/
↪preaction/path --set predeactaction.bat
```

- Timeout (sec)
  Default, 5 (minimum, 1; maximum, 9999)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/deact/
  ↪preaction/timeout --set <Value>
  ```
- Exec User
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/deact/
  ↪preaction/account --set <Exec User>
  ```

Details

Common

- Record Set Name (Within 253 bytes)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/
  ↪recordset --set <Record Set Name>
  ```
- Zone Name (Within 253 bytes)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/zone␣
  ↪--set <Zone Name>
  ```
- IP Address
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/ip --set
  ↪<IP Address>
  ```
- TTL (sec)

  Default, 3600 (minimum, 0; maximum, 2147483647)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/ttl␣
  ↪--set <Value>
  ```
- Resource Group Name (Within 180 bytes)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/
  ↪resourcegroup --set <Resource Group Name>
  ```
- User URI (Within 2083 bytes)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/uri␣
  ↪--set <User URI>
  ```
- Tenant ID (Within 36 bytes)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/tenantid␣
  ↪--set <Tenant ID>
  ```
- File Path of Service Principal (Within 1023 bytes)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/certfile␣
  ↪--set <File Path of Service Principal>
  ```
- Azure CLI File Path (Within 1023 bytes)
  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/azurecli␣
  ↪--set <Azure CLI File Path>
  ```
- Delete a resource record set at deactivation

Delete a resource record set at deactivation	Value
Delete (default)	1
Do not delete	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/delete␣
↪--set <Value>
```

Tuning

Azure CLI

- Timeout (sec)

  Default, 100 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/parameters/
  ↪azureclitimeout --set <Value>
  ```

Set Up Individually

Set the following for each server.

- IP Address

  ```
  clpcfadm.py mod -t resource/azuredns@azuredns1/server@<Server name>
  ↪/parameters/ip --set <IP Address> --nocheck
  ```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/predeact/use␣
↪--set <Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/postact/use␣
↪--set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/postdeact/use␣
↪--set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/azuredns@azuredns1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/predeact/
↪default --set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/postact/
↪default --set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/postdeact/
↪default --set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/preact/path␣
↪--set <File>
clpcfadm.py mod -t resource/azuredns@azuredns1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/azuredns@azuredns1/postact/path␣
↪--set <File>
```

```
clpcfadm.py mod -t resource/azuredns@azuredns1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/azuredns@azuredns1/preact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/azuredns@azuredns1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/azuredns@azuredns1/postact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/azuredns@azuredns1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/azuredns@azuredns1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/predeact/
↪timeout --set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/postact/
↪timeout --set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/postdeact/
↪timeout --set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/azuredns@azuredns1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/predeact/
↪account --set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/postact/
↪account --set <Value>
clpcfadm.py mod -t resource/azuredns@azuredns1/postdeact/
↪account --set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.6.3 Deleting an Azure DNS resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪azuredns azuredns1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.7 Azure probe port resource

Note:

The command lines in this section use **azurepp1** as the group resource name.
Change it to suit your environment.

7.7.1 Adding an Azure probe port resource

Be sure to set the following items. For details, see "*Setting Azure probe port resource parameters*".

Item (mandatory)
Group resource name
Probeport

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪azurepp azurepp1
clpcfadm.py mod -t resource/azurepp@azurepp1/parameters/probeport --set
↪<Probeport>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.7.2 Setting Azure probe port resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/azurepp@azurepp1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep azurepp azurepp1
```

- Set a parent resource

```
clpcfadm.py add rscdep azurepp azurepp1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep azurepp azurepp1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/azurepp@azurepp1/depend@<Parent resource␣
↪name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/retry --set
↪<Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/azurepp@azurepp1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4

Continued on next page

Table 7.101 – continued from previous page

Final Action	Value
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/azurepp@azurepp1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

– File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

– File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/azurepp@azurepp1/deact/preaction/
↪path --set predeactaction.bat
```

– Timeout (sec)

Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/deact/preaction/
↪timeout --set <Value>
```

– Exec User

```
clpcfadm.py mod -t resource/azurepp@azurepp1/deact/preaction/
↪account --set <Exec User>
```

Details

- Probeport

  Default, None (minimum, 1; maximum, 65535)

  ```
  clpcfadm.py mod -t resource/azurepp@azurepp1/parameters/probeport␣
  ↪--set <Value>
  ```

Tuning

- Probe wait timeout (sec)

  Default, 30 (minimum, 5; maximum, 999999999)

  ```
  clpcfadm.py mod -t resource/azurepp@azurepp1/parameters/
  ↪probetimeout --set <Value>
  ```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/postdeact/use␣
↪--set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/azurepp@azurepp1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/postdeact/
↪default --set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/preact/path␣
↪--set <File>
clpcfadm.py mod -t resource/azurepp@azurepp1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/azurepp@azurepp1/postact/path␣
↪--set <File>
clpcfadm.py mod -t resource/azurepp@azurepp1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/azurepp@azurepp1/preact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/azurepp@azurepp1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/azurepp@azurepp1/postact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/azurepp@azurepp1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/azurepp@azurepp1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/postdeact/
↪timeout --set <Value>
```

  Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/azurepp@azurepp1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/azurepp@azurepp1/postdeact/
↪account --set <Value>
```

  Note: Set each of the <Value> fields to the same value.

7.7.3 Deleting an Azure probe port resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪azurepp azurepp1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.8 CIFS resource

Note:

The command lines in this section use **cifs1** as the group resource name.
Change it to suit your environment.

7.8.1 Adding a CIFS resource

Be sure to set the following items. For details, see "*Setting CIFS resource parameters*".

Item (mandatory)
Group resource name
Share Name
Folder
Target Drive
Number of users with access permission
User Name
Permission

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> cifs␣
↪cifs1
clpcfadm.py mod -t resource/cifs@cifs1/parameters/sharename --set <Share␣
↪Name>
clpcfadm.py mod -t resource/cifs@cifs1/parameters/path --set <Folder>
clpcfadm.py mod -t resource/cifs@cifs1/parameters/drive --set <Target␣
↪Drive>/
clpcfadm.py mod -t resource/cifs@cifs1/parameters/securitynum --set
↪<Number of users with access permission>
clpcfadm.py mod -t resource/cifs@cifs1/parameters/securitylist@<ID>/name␣
↪--set <User Name>
clpcfadm.py mod -t resource/cifs@cifs1/parameters/securitylist@<ID>/
↪permissions --set <Permission>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.8.2 Setting CIFS resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/cifs@cifs1/comment --set <Comment>
  ```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep cifs cifs1
```

- Set a parent resource

```
clpcfadm.py add rscdep cifs cifs1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep cifs cifs1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/cifs@cifs1/depend@<Parent resource name>␣
↪--delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/cifs@cifs1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/cifs@cifs1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/cifs@cifs1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/cifs@cifs1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/cifs@cifs1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/cifs@cifs1/act/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/cifs@cifs1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/cifs@cifs1/act/preaction/path␣
↪--set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/cifs@cifs1/act/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/cifs@cifs1/act/preaction/account␣
↪--set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/cifs@cifs1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1

Continued on next page

Table 7.115 – continued from previous page

Final Action	Value
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/cifs@cifs1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/cifs@cifs1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/cifs@cifs1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/cifs@cifs1/deact/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/cifs@cifs1/deact/preaction/path␣
↪--set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/cifs@cifs1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/cifs@cifs1/deact/preaction/
↪account --set <Exec User>
```

Details

- Execute the automatic saving of shared configuration of drive

Execute the automatic saving of shared configuration of drive	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/driveadmin --set
↪<Value>
```

Note: To set the following items, set "Execute the automatic saving of shared configuration of drive" to "Yes" in advance.

- Target Drive

Value
A: (default)
B:
C:
D:
E:
F:
G:
H:
I:
J:
K:
L:
M:
N:
O:
P:
Q:
R:
S:
T:
U:
V:
W:
X:
Y:
Z:

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/drive --set <Value>
```

- Shared Configuration File (Within 255 bytes)

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/filepath --set
↪<Shared Configuration File>
```

- Errors in restoring file share setting are treated as activity failure

Errors in restoring file share setting are treated as activity failure	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/errorcheck --set
↪<Value>
```

Note: To set the following items, set "Execute the automatic saving of shared configuration of drive" to "No" in advance.

- Share Name (Within 79 bytes)

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/sharename --set
↪<Share Name>
```

- Folder (Within 255 bytes)

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/path --set <Folder>
```

- Comment (Within 255 bytes)

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/comment --set
↪<Comment>
```

- When folder is shared not as activity failure

When folder is shared not as activity failure	Value
Yes	0
No (default)	1

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/alreadyshared --set
↪<Value>
```

Tuning

Note: To set the following items, set "Execute the automatic saving of shared configuration of drive" to "No" in advance.

Cache

- Allow Caching

Allow Caching	Value
Allow (default)	1
Do not allow	0

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/csc --set
↪<Value>
```

- Caching setting

Caching setting	Value
Automatic Caching (default)	0

Continued on next page

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Caching setting	Value
Manual Caching	1
Automatic Caching (Optimized for performance)	2

```
clpcfadm.py mod -t resource/cifs@cifs1/parameters/cscmethod␣
↪--set <Value>
```

User

- User Limit
  Default, 0 (minimum, 1; maximum, 9999)
  ```
  clpcfadm.py mod -t resource/cifs@cifs1/parameters/userlimit␣
  ↪--set <Value>
  ```

  Note: If you change the "User Limit" setting to "Infinite", set 0.

- Permissions
  Add
  ```
  clpcfadm.py mod -t resource/cifs@cifs1/parameters/
  ↪securitynum --set <Number of users>
  clpcfadm.py mod -t resource/cifs@cifs1/parameters/
  ↪securitylist@<ID>/name --set <User Name> --nocheck
  clpcfadm.py mod -t resource/cifs@cifs1/parameters/
  ↪securitylist@<ID>/permissions --set <Permission> --nocheck
  ```

  Note: Set "Permission" to any of the following values:

Permission	Value
None (default)	0
Read	1
Change	2
Full Control	3

  Note:

  With only one limited user, specify 0 for ID.
  With more than one limited user, specify consecutive numbers (e.g., 0, 1, 2...).

  Delete
  ```
  clpcfadm.py mod -t resource/cifs@cifs1/parameters/
  ↪securitynum --set <Number of users after deletion>
  clpcfadm.py mod -t resource/cifs@cifs1/parameters/
  ↪securitylist@<ID> --delete
  ```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/cifs@cifs1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/cifs@cifs1/preact/use --set <Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/cifs@cifs1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/cifs@cifs1/postact/use --set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/cifs@cifs1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/cifs@cifs1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/predeact/default --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/postact/default --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/cifs@cifs1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/cifs@cifs1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/cifs@cifs1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/cifs@cifs1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/cifs@cifs1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/cifs@cifs1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/cifs@cifs1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/cifs@cifs1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)

  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/cifs@cifs1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/predeact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/postact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/cifs@cifs1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/predeact/account --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/postact/account --set
↪<Value>
clpcfadm.py mod -t resource/cifs@cifs1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.8.3 Deleting a CIFS resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪cifs cifs1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.9 Dynamic DNS resource

Note:

The command lines in this section use **ddns1** as the group resource name.
Change it to suit your environment.

7.9.1 Adding a dynamic DNS resource

Be sure to set the following items. For details, see "*Setting dynamic DNS resource parameters*".

Item (mandatory)
Group resource name
Virtual Host Name
IP Address
DDNS Server

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> ddns␣
↪ddns1
clpcfadm.py mod -t resource/ddns@ddns1/parameters/host/ddnsname --set
↪<Virtual Host Name>
clpcfadm.py mod -t resource/ddns@ddns1/parameters/host/ip --set <IP␣
↪Address>
clpcfadm.py mod -t resource/ddns@ddns1/parameters/dnsserver/name --set
↪<DDNS Server>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.9.2 Setting dynamic DNS resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/ddns@ddns1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep ddns ddns1
```

- Set a parent resource

```
clpcfadm.py add rscdep ddns ddns1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep ddns ddns1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/ddns@ddns1/depend@<Parent resource name>␣
↪--delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ddns@ddns1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/ddns@ddns1/act/mode --set <Value>
```

- Failover Threshold

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ddns@ddns1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/ddns@ddns1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ddns@ddns1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ddns@ddns1/act/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ddns@ddns1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/ddns@ddns1/act/preaction/path␣
↪--set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ddns@ddns1/act/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/ddns@ddns1/act/preaction/account␣
↪--set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ddns@ddns1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/ddns@ddns1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ddns@ddns1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ddns@ddns1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ddns@ddns1/deact/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/ddns@ddns1/deact/preaction/path␣
↪--set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ddns@ddns1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/ddns@ddns1/deact/preaction/
↪account --set <Exec User>
```

Details

Common

- Virtual Host Name (Within 255 bytes)

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/host/ddnsname␣
↪--set <Virtual Host Name>
```

- IP Address

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/host/ip --set
↪<IP Address>
```

- DDNS Server (Within 255 bytes)

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/dnsserver/name␣
↪--set <DDNS Server>
```

- Port No.

  Default, 53 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/dnsserver/port␣
↪--set <Value>
```

- Cache TTL (sec)

  Default, 0 (minimum, 0; maximum, 2147483647)

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/host/recordttl␣
↪--set <Value>
```

- Execute Dynamic Update Periodically

Execute Dynamic Update Periodically	Value
Yes (default)	1
No	0

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/dynamicupdate␣
↪--set <Value>
```

- Update Interval (sec)

  Default, 3600 (minimum, 60; maximum, 599940)

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/ddnsinterval␣
↪--set <Value>
```

Note: Set as above with "Execute Dynamic Update Periodically" set to "Yes".

Note: Specify a value in seconds (divisible by 60).

- Delete the Registered IP Address

Delete the Registered IP Address	Value
Delete	1
Do not delete (default)	0

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/registeripdelete␣
↪--set <Value>
```

- Kerberos Authentication

Kerberos Authentication	Value
Authenticate	1

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Kerberos Authentication	Value
Do not authenticate (default)	0

```
clpcfadm.py mod -t resource/ddns@ddns1/parameters/kerberosregister␣
↪--set <Value>
```

Set Up Individually

Set the following for each server.

- IP Address

```
clpcfadm.py mod -t resource/ddns@ddns1/server@<Server name>/
↪parameters/host/ip --set <IP Address> --nocheck
```

Note: To return to the common settings, set the following for each server.
`clpcfadm.py mod -t resource/ddns@ddns1/server@<Server name> --delete`

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/ddns@ddns1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ddns@ddns1/preact/use --set <Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ddns@ddns1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ddns@ddns1/postact/use --set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ddns@ddns1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ddns@ddns1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/predeact/default --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/postact/default --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ddns@ddns1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/ddns@ddns1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/ddns@ddns1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/ddns@ddns1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/ddns@ddns1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ddns@ddns1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ddns@ddns1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ddns@ddns1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ddns@ddns1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/predeact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/postact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/postdeact/timeout␣
↪--set <Value>
```

  Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/ddns@ddns1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/predeact/account --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/postact/account --set
↪<Value>
clpcfadm.py mod -t resource/ddns@ddns1/postdeact/account␣
↪--set <Value>
```

  Note: Set each of the <Value> fields to the same value.

7.9.3 Deleting a dynamic DNS resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪ddns ddns1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.10 Floating IP resource

Note:

The command lines in this section use **fip1** as the group resource name.
Change it to suit your environment.

7.10.1 Adding a floating IP resource

Be sure to set the following items. For details, see "*Setting floating IP resource parameters*".

Item (mandatory)
Group resource name
IP Address

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> fip␣
↪fip1
clpcfadm.py mod -t resource/fip@fip1/parameters/ip --set <IP Address>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.10.2 Setting floating IP resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/fip@fip1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

  ```
  clpcfadm.py del rscdep fip fip1
  ```

- Set a parent resource

  ```
  clpcfadm.py add rscdep fip fip1 <Parent resource name>
  ```

- No parent resource

```
clpcfadm.py add rscdep fip fip1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/fip@fip1/depend@<Parent resource name>
↪--delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t resource/fip@fip1/act/retry --set <Value>
  ```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

  ```
  clpcfadm.py mod -t resource/fip@fip1/act/mode --set <Value>
  ```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t resource/fip@fip1/act/fo2 --set <Value>
  ```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

  ```
  clpcfadm.py mod -t resource/fip@fip1/act/action --set <Value>
  ```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

  ```
  clpcfadm.py mod -t resource/fip@fip1/act/preaction/use --set
  ↪<Value>
  ```

  Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

  Script Settings

– File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/fip@fip1/act/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

– File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/fip@fip1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/fip@fip1/act/preaction/path␣
↪--set preactaction.bat
```

– Timeout (sec)

Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/fip@fip1/act/preaction/timeout␣
↪--set <Value>
```

– Exec User

```
clpcfadm.py mod -t resource/fip@fip1/act/preaction/account␣
↪--set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t resource/fip@fip1/deact/retry --set <Value>
  ```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/fip@fip1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/fip@fip1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/fip@fip1/deact/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/fip@fip1/deact/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/fip@fip1/deact/preaction/path␣
↪--set predeactaction.bat
```

- Timeout (sec)
  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/fip@fip1/deact/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/fip@fip1/deact/preaction/account␣
↪--set <Exec User>
```

Details

Common

- IP Address

```
clpcfadm.py mod -t resource/fip@fip1/parameters/ip --set <IP␣
↪Address>
```

Tuning

- Run Ping

Run Ping	Value
Yes (default)	1
No	0

```
clpcfadm.py mod -t resource/fip@fip1/parameters/pingexec --set
↪<Value>
```

Note: To set the following items, set "Run Ping" to "Yes" in advance.

ping

- Interval (sec)

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t resource/fip@fip1/parameters/
  ↪pinginterval --set <Value>
  ```

- Timeout (msec)

  Default, 1000 (minimum, 1; maximum, 999999)

  ```
  clpcfadm.py mod -t resource/fip@fip1/parameters/
  ↪pingtimeout --set <Value>
  ```

- Retry Count

  Default, 5 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t resource/fip@fip1/parameters/
  ↪pingretry --set <Value>
  ```

– Judge NIC Link Down as Failure

Judge NIC Link Down as Failure	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t resource/fip@fip1/parameters/monmii --set
↪<Value>
```

– Use transmission source change feature

Use transmission source change feature	Value
Use	1
Do not use (default)	0

```
clpcfadm.py mod -t resource/fip@fip1/parameters/srcip/use␣
↪--set <Value>
```

– Specification for transmission source

Specification for transmission source	Value
Specify FIP as the transmission source (default)	0
Do not specify FIP as the transmission source	1

```
clpcfadm.py mod -t resource/fip@fip1/parameters/srcip/src␣
↪--set <Value>
```

Note: Set as above with "Use transmission source change feature" set to "Use".

Set Up Individually

Set the following for each server.

- IP Address

```
clpcfadm.py mod -t resource/fip@fip1/server@<Server name>/
↪parameters/ip --set <IP Address> --nocheck
```

Note: To return to the common settings, set the following for each server.

```
clpcfadm.py mod -t resource/fip@fip1/server@<Server name> --delete
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/fip@fip1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/fip@fip1/preact/use --set <Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/fip@fip1/predeact/use --set <Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/fip@fip1/postact/use --set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/fip@fip1/postdeact/use --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/fip@fip1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/predeact/default --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/postact/default --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/postdeact/default --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/fip@fip1/preact/path --set <File>
clpcfadm.py mod -t resource/fip@fip1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/fip@fip1/postact/path --set <File>
clpcfadm.py mod -t resource/fip@fip1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/fip@fip1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/fip@fip1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/fip@fip1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/fip@fip1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/fip@fip1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/predeact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/postact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/postdeact/timeout --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/fip@fip1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/predeact/account --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/postact/account --set
↪<Value>
clpcfadm.py mod -t resource/fip@fip1/postdeact/account --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

7.10.3 Deleting a floating IP resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs> fip␣
↪fip1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.11 Google Cloud DNS resource

Note:

The command lines in this section use **gcdns1** as the group resource name.
Change it to suit your environment.

7.11.1 Adding a Google Cloud DNS resource

Be sure to set the following items. For details, see "*Setting Google Cloud DNS resource parameters*".

Item (mandatory)
Group resource name
Zone Name
DNS Name
IP Address

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> gcdns␣
↪gcdns1
clpcfadm.py mod -t resource/gcdns@gcdns1/parameters/zone_name --set <Zone␣
↪Name>
clpcfadm.py mod -t resource/gcdns@gcdns1/parameters/dns_name --set <DNS␣
↪Name>
clpcfadm.py mod -t resource/gcdns@gcdns1/parameters/record_ip --set <IP␣
↪Address (Common)>
clpcfadm.py mod -t resource/gcdns@gcdns1/server@<Server name>/parameters/
↪record_ip --set <IP Address (Individual)> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.11.2 Setting Google Cloud DNS resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/gcdns@gcdns1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep gcdns gcdns1
```

- Set a parent resource

```
clpcfadm.py add rscdep gcdns gcdns1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep gcdns gcdns1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/gcdns@gcdns1/depend@<Parent resource name>
↪ --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/preaction/path␣
↪--set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/gcdns@gcdns1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/gcdns@gcdns1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/gcdns@gcdns1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/gcdns@gcdns1/deact/preaction/
↪account --set <Exec User>
```

Details

Common

- Zone Name (Within 63 bytes)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/parameters/zone_name␣
↪--set <Zone Name>
```

- DNS Name (Within 253 bytes)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/parameters/dns_name --set
↪<DNS Name>
```

- IP Address

```
clpcfadm.py mod -t resource/gcdns@gcdns1/parameters/record_ip␣
↪--set <IP Address>
```

- TTL (sec)

  Default, 300 (minimum, 0; maximum, 2147483647)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/parameters/record_ttl␣
↪--set <Value>
```

- Delete the record at deactivation

Delete the record at deactivation	Value
Delete (default)	1
Do not delete	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/parameters/delete --set
↪<Value>
```

Set Up Individually

Set the following for each server.

- IP Address

```
clpcfadm.py mod -t resource/gcdns@gcdns1/server@<Server name>/
↪parameters/record_ip --set <IP Address> --nocheck
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

> **Note:** If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/gcdns@gcdns1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/gcdns@gcdns1/predeact/path --set
```

```
↪<File>
clpcfadm.py mod -t resource/gcdns@gcdns1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/gcdns@gcdns1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/gcdns@gcdns1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/gcdns@gcdns1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/gcdns@gcdns1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/gcdns@gcdns1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/gcdns@gcdns1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/gcdns@gcdns1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/gcdns@gcdns1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.11.3 Deleting a Google Cloud DNS resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪gcdns gcdns1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.12 Google Cloud Virtual IP resource

Note:

The command lines in this section use **gcvip1** as the group resource name.
Change it to suit your environment.

7.12.1 Adding a Google Cloud Virtual IP resource

Be sure to set the following items. For details, see "*Setting Google Cloud Virtual IP resource parameters*".

Item (mandatory)
Group resource name
Port Number

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> gcvip␣
↪gcvip1
clpcfadm.py mod -t resource/gcvip@gcvip1/parameters/probeport --set <Port␣
↪Number>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.12.2 Setting Google Cloud Virtual IP resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/gcvip@gcvip1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep gcvip gcvip1
```

- Set a parent resource

```
clpcfadm.py add rscdep gcvip gcvip1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep gcvip gcvip1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/gcvip@gcvip1/depend@<Parent resource name>
↪ --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/preaction/path␣
↪--set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/gcvip@gcvip1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/gcvip@gcvip1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/gcvip@gcvip1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/gcvip@gcvip1/deact/preaction/
↪account --set <Exec User>
```

Details

- Port Number

  Default, None (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/parameters/probeport --set
↪<Value>
```

Tuning

- Health Check Timeout (sec)

Default, 30 (minimum, 5; maximum, 999999999)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/parameters/probetimeout␣
↪--set <Value>
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/gcvip@gcvip1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/gcvip@gcvip1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/gcvip@gcvip1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/gcvip@gcvip1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/gcvip@gcvip1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/gcvip@gcvip1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/gcvip@gcvip1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/gcvip@gcvip1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)

Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/gcvip@gcvip1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/gcvip@gcvip1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/gcvip@gcvip1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.12.3 Deleting a Google Cloud Virtual IP resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪gcvip gcvip1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.13 Hybrid disk resource

Note:

The command lines in this section use **hd1** as the group resource name.
Change it to suit your environment.

7.13.1 Adding a hybrid disk resource

Be sure to set the following items. For details, see "*Setting hybrid disk resource parameters*".

Item (mandatory)
Group resource name
Data Partition Drive Letter
GUID (data partition)
Cluster Partition Drive Letter
GUID (cluster partition)
Mirror Disk Connect

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> hd hd1
clpcfadm.py mod -t resource/hd@hd1/parameters/volumemountpoint --set
↪<Data Partition Drive Letter>
clpcfadm.py mod -t resource/hd@hd1/server@<Server name>/parameters/
↪volumeguid --set <GUID (data partition)> --nocheck
clpcfadm.py mod -t resource/hd@hd1/parameters/cpvolumemountpoint --set
↪<Cluster Partition Drive Letter>
clpcfadm.py mod -t resource/hd@hd1/server@<Server name>/parameters/
↪cpvolumeguid --set <GUID (cluster partition)> --nocheck
clpcfadm.py mod -t resource/hd@hd1/parameters/netdev@<ID>/device --set
↪<Mirror Disk Connect (Device ID)> --nocheck
clpcfadm.py mod -t resource/hd@hd1/parameters/netdev@<ID>/mdcname --set
↪<Mirror Disk Connect (Name)> --nocheck
clpcfadm.py mod -t resource/hd@hd1/parameters/netdev@<ID>/priority --set
↪<Mirror Disk Connect (Priority)> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.13.2 Setting hybrid disk resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

```
clpcfadm.py mod -t resource/hd@hd1/comment --set <Comment>
```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep hd hd1
```

- Set a parent resource

```
clpcfadm.py add rscdep hd hd1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep hd hd1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/hd@hd1/depend@<Parent resource name>␣
↪--delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/hd@hd1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/hd@hd1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/hd@hd1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5

Continued on next page

Table 7.197 – continued from previous page

Final Action	Value
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/hd@hd1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/act/preaction/use --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/hd@hd1/act/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/hd@hd1/act/preaction/path --set
↪<File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/hd@hd1/act/preaction/path --set␣
↪preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/hd@hd1/act/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/hd@hd1/act/preaction/account␣
↪--set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/hd@hd1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/hd@hd1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/hd@hd1/deact/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/hd@hd1/deact/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/hd@hd1/deact/preaction/path␣
↪--set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/hd@hd1/deact/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/hd@hd1/deact/preaction/account␣
↪--set <Exec User>
```

Details

- Hybrid Disk No.

Value
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

```
clpcfadm.py mod -t resource/hd@hd1/parameters/hdindex --set <Value>
```

- Data Partition Drive Letter

```
clpcfadm.py mod -t resource/hd@hd1/parameters/volumemountpoint --set
↪<Data Partition Drive Letter>
```

- GUID (data partition)

```
clpcfadm.py mod -t resource/hd@hd1/server@<Server name>/parameters/
↪volumeguid --set <GUID (data partition)> --nocheck
```

Note:

The GUID can be retrieved by using the clpdiskctrl command.
For details, see "*clpdiskctrl command*".

- Cluster Partition Drive Letter

```
clpcfadm.py mod -t resource/hd@hd1/parameters/cpvolumemountpoint␣
↪--set <Cluster Partition Drive Letter>
```

- GUID (cluster partition)

```
clpcfadm.py mod -t resource/hd@hd1/server@<Server name>/parameters/
↪cpvolumeguid --set <GUID (cluster partition)> --nocheck
```

Note:

The GUID can be retrieved by using the clpdiskctrl command.
For details, see "*clpdiskctrl command*".

- Cluster Partition Offset Index

Value
0 (default)
1
2
3
4
5
6
7

```
clpcfadm.py mod -t resource/hd@hd1/parameters/cpvolumeoffsetindex␣
↪--set <Value>
```

- Mirror Disk Connect

Value (Mirror disk connect [name])	Value (Mirror disk connect [device ID])
mdc1	400
mdc2	401
mdc3	402
mdc4	403
mdc5	404
mdc6	405
mdc7	406
mdc8	407
mdc9	408
mdc10	409
mdc11	410
mdc12	411
mdc13	412
mdc14	413
mdc15	414
mdc16	415

```
clpcfadm.py mod -t resource/hd@hd1/parameters/netdev@<ID>/device␣
↪--set <Value (Mirror disk connect [device ID])> --nocheck
clpcfadm.py mod -t resource/hd@hd1/parameters/netdev@<ID>/mdcname␣
↪--set <Value (Mirror disk connect [name])> --nocheck
clpcfadm.py mod -t resource/hd@hd1/parameters/netdev@<ID>/priority␣
↪--set <Mirror Disk Connect (Priority)> --nocheck
```

Note:

With only one mirror disk connect, specify 0 for ID.
With more than one mirror disk connect, specify consecutive numbers (e.g., 0, 1, 2...).

Note:

With only one mirror disk connect, specify 1 for Priority.
With more than one mirror disk connect, specify consecutive numbers (e.g., 1, 2, 3...) in order of priority.

Tuning

- Execute the initial mirror construction

Execute the initial mirror construction	Value
Yes (default)	1
No	0

```
clpcfadm.py mod -t resource/hd@hd1/parameters/fullcopy --set
↪<Value>
```

- Mirror Connect Timeout (sec)

  Default, 20 (minimum, 2; maximum, 9999)

```
clpcfadm.py mod -t resource/hd@hd1/parameters/mirrorconnecttimeout␣
↪--set <Value>
```

- Request Queue Maximum Size (KB)

  Default, 2048 (minimum, 512; maximum, 65535)

```
clpcfadm.py mod -t resource/hd@hd1/parameters/requestqueuesize␣
↪--set <Value>
```

Mode

- Mode

Mode	Value
Synchronous (default)	1
Asynchronous	0

```
clpcfadm.py mod -t resource/hd@hd1/parameters/syncmode --set
↪<Value>
```

Note: To set the following items, set "Mode" to "Asynchronous" in advance.

- Kernel Queue Size (KB)

  Default, 2048 (minimum, 512; maximum, 65535)

```
clpcfadm.py mod -t resource/hd@hd1/parameters/kequeuesize --set
↪<Value>
```

- Application Queue Size (KB)

  Default, 2048 (minimum, 512; maximum, 65535)

```
clpcfadm.py mod -t resource/hd@hd1/parameters/apqueuesize --set
↪<Value>
```

- Limit rate of Mirror Connect
  - Rate Limit (KB/sec)

    Default, 0 (minimum, 0; maximum, 999999999)

    ```
    clpcfadm.py mod -t resource/hd@hd1/parameters/bandlimit␣
    ↪--set <Value>
    ```

    Note: If you do not limit the communication bandwidth, specify 0.

    ```
    clpcfadm.py mod -t resource/hd@hd1/parameters/bandlimit --set 0
    ```

- Thread Timeout (sec)

  Default, 0 (minimum, 2; maximum, 9999)

  ```
  clpcfadm.py mod -t resource/hd@hd1/parameters/apthreadtimeout␣
  ↪--set <Value>
  ```

- History Files Store Folder (Within 1023 bytes)

  ```
  clpcfadm.py mod -t resource/hd@hd1/parameters/historydir --set
  ↪<History Files Store Folder>
  ```

- Limit size of History File
  - Size Limit (MB)

    Default, 0 (minimum, 0; maximum, 999999999)

    ```
    clpcfadm.py mod -t resource/hd@hd1/parameters/historymax␣
    ↪--set <Value>
    ```

    Note: If you do not limit the history file size, specify 0.

    ```
    clpcfadm.py mod -t resource/hd@hd1/parameters/historymax --set 0
    ```

- Compress Data

Compress Data	Value
Compress data in normal operation	1
Compress data in recovery operation	2
Compress data in normal and recovery operation	3
Do not compress (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/parameters/compress --set
↪<Value>
```

Important: You cannot specify "Compress data in normal operation" or "Compress data in normal and recovery operation", with "Synchronize data" set to "Synchronize".

Recovery Method

- Compress Data When Recovering

Compress Data When Recovering	Value
Compress data in normal operation	1
Compress data in recovery operation	2
Compress data in normal and recovery operation	3
Do not compress (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/parameters/compress --set
↪<Value>
```

Important: You cannot specify "Compress data in normal operation" or "Compress data in normal and recovery operation", with "Synchronize data" set to "Synchronize".

Mirror Communication Encryption

- Encrypt mirror communication

Encrypt mirror communication	Value
Encrypt	1
Do not encrypt (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/parameters/crypto/use --set
↪<Value>
```

- Key File Path (Within 1023 bytes)

```
clpcfadm.py mod -t resource/hd@hd1/parameters/crypto/keyfile␣
↪--set <Key File Path>
```

Note: Set as above with "Encrypt mirror communication" set to "Encrypt".

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/hd@hd1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/preact/use --set <Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/predeact/use --set <Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/postact/use --set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/hd@hd1/postdeact/use --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/hd@hd1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/predeact/default --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/postact/default --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/postdeact/default --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/hd@hd1/preact/path --set <File>
```

```
clpcfadm.py mod -t resource/hd@hd1/predeact/path --set <File>
clpcfadm.py mod -t resource/hd@hd1/postact/path --set <File>
clpcfadm.py mod -t resource/hd@hd1/postdeact/path --set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/hd@hd1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/hd@hd1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/hd@hd1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/hd@hd1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/hd@hd1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/predeact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/postact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/postdeact/timeout --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/hd@hd1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/predeact/account --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/postact/account --set
↪<Value>
clpcfadm.py mod -t resource/hd@hd1/postdeact/account --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

7.13.3 Deleting a hybrid disk resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs> hd␣
↪hd1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.14 Mirror disk resource

Note:

The command lines in this section use **md1** as the group resource name.
Change it to suit your environment.

7.14.1 Adding a mirror disk resource

Be sure to set the following items. For details, see "*Setting mirror disk resource parameters*".

Item (mandatory)
Group resource name
Data Partition Drive Letter
GUID (data partition)
Cluster Partition Drive Letter
GUID (cluster partition)
Mirror Disk Connect

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> md md1
clpcfadm.py mod -t resource/md@md1/parameters/volumemountpoint --set
↪<Data Partition Drive Letter>
clpcfadm.py mod -t resource/md@md1/server@<Server name>/parameters/
↪volumeguid --set <GUID (data partition)> --nocheck
clpcfadm.py mod -t resource/md@md1/parameters/cpvolumemountpoint --set
↪<Cluster Partition Drive Letter>
clpcfadm.py mod -t resource/md@md1/server@<Server name>/parameters/
↪cpvolumeguid --set <GUID (cluster partition)> --nocheck
clpcfadm.py mod -t resource/md@md1/parameters/netdev@<ID>/device --set
↪<Mirror Disk Connect (Device ID)> --nocheck
clpcfadm.py mod -t resource/md@md1/parameters/netdev@<ID>/mdcname --set
↪<Mirror Disk Connect (Name)> --nocheck
clpcfadm.py mod -t resource/md@md1/parameters/netdev@<ID>/priority --set
↪<Mirror Disk Connect (Priority)> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.14.2 Setting mirror disk resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

```
clpcfadm.py mod -t resource/md@md1/comment --set <Comment>
```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep md md1
```

- Set a parent resource

```
clpcfadm.py add rscdep md md1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep md md1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/md@md1/depend@<Parent resource name>␣
↪--delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/md@md1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/md@md1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/md@md1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5

Continued on next page

Table 7.219 – continued from previous page

Final Action	Value
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/md@md1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/md@md1/act/preaction/use --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/md@md1/act/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/md@md1/act/preaction/path --set
↪<File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/md@md1/act/preaction/path --set␣
↪preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/md@md1/act/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/md@md1/act/preaction/account␣
↪--set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/md@md1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/md@md1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/md@md1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

– File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/md@md1/deact/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

– File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/md@md1/deact/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/md@md1/deact/preaction/path␣
↪--set predeactaction.bat
```

– Timeout (sec)

Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/md@md1/deact/preaction/timeout␣
↪--set <Value>
```

– Exec User

```
clpcfadm.py mod -t resource/md@md1/deact/preaction/account␣
↪--set <Exec User>
```

Details

- Mirror Disk No.

Value
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

```
clpcfadm.py mod -t resource/md@md1/parameters/nmpindex --set <Value>
```

- Data Partition Drive Letter

```
clpcfadm.py mod -t resource/md@md1/parameters/volumemountpoint --set
↪<Data Partition Drive Letter>
```

- GUID (data partition)

```
clpcfadm.py mod -t resource/md@md1/server@<Server name>/parameters/
↪volumeguid --set <GUID (data partition)> --nocheck
```

Note:

The GUID can be retrieved by using the clpdiskctrl command.
For details, see "*clpdiskctrl command*".

- Cluster Partition Drive Letter

```
clpcfadm.py mod -t resource/md@md1/parameters/cpvolumemountpoint␣
↪--set <Cluster Partition Drive Letter>
```

- GUID (cluster partition)

```
clpcfadm.py mod -t resource/md@md1/server@<Server name>/parameters/
↪cpvolumeguid --set <GUID (cluster partition)> --nocheck
```

Note:

The GUID can be retrieved by using the clpdiskctrl command.
For details, see "*clpdiskctrl command*".

- Cluster Partition Offset Index

Value
0 (default)
1
2
3
4
5
6
7

```
clpcfadm.py mod -t resource/md@md1/parameters/cpvolumeoffsetindex␣
↪--set <Value>
```

- Mirror Disk Connect

Value (Mirror disk connect [name])	Value (Mirror disk connect [device ID])
mdc1	400
mdc2	401
mdc3	402
mdc4	403
mdc5	404
mdc6	405
mdc7	406
mdc8	407
mdc9	408
mdc10	409
mdc11	410
mdc12	411
mdc13	412
mdc14	413
mdc15	414
mdc16	415

```
clpcfadm.py mod -t resource/md@md1/parameters/netdev@<ID>/device␣
↪--set <Value (Mirror disk connect [device ID]))> --nocheck
clpcfadm.py mod -t resource/md@md1/parameters/netdev@<ID>/mdcname␣
↪--set <Value (Mirror disk connect [name])> --nocheck
clpcfadm.py mod -t resource/md@md1/parameters/netdev@<ID>/priority␣
↪--set <Mirror Disk Connect (Priority)> --nocheck
```

Note:

With only one mirror disk connect, specify 0 for ID.
With more than one mirror disk connect, specify consecutive numbers (e.g., 0, 1, 2...).

Note:

With only one mirror disk connect, specify 1 for Priority.
With more than one mirror disk connect, specify consecutive numbers (e.g., 1, 2, 3...) in order of priority.

Tuning

- Execute the initial mirror construction

Execute the initial mirror construction	Value
Yes (default)	1
No	0

```
clpcfadm.py mod -t resource/md@md1/parameters/fullcopy --set
↪<Value>
```

- Mirror Connect Timeout (sec)

  Default, 20 (minimum, 2; maximum, 9999)

```
clpcfadm.py mod -t resource/md@md1/parameters/mirrorconnecttimeout␣
↪--set <Value>
```

- Request Queue Maximum Size (KB)

  Default, 2048 (minimum, 512; maximum, 65535)

```
clpcfadm.py mod -t resource/md@md1/parameters/requestqueuesize␣
↪--set <Value>
```

Mode

- Mode

Mode	Value
Synchronous (default)	1
Asynchronous	0

```
clpcfadm.py mod -t resource/md@md1/parameters/syncmode --set
↪<Value>
```

Note: To set the following items, set "Mode" to "Asynchronous" in advance.

- Kernel Queue Size (KB)

  Default, 2048 (minimum, 512; maximum, 65535)

```
clpcfadm.py mod -t resource/md@md1/parameters/kequeuesize --set
↪<Value>
```

- Application Queue Size (KB)

  Default, 2048 (minimum, 512; maximum, 65535)

```
clpcfadm.py mod -t resource/md@md1/parameters/apqueuesize --set
↪<Value>
```

- Limit rate of Mirror Connect
  - Rate Limit (KB/sec)

    Default, 0 (minimum, 0; maximum, 999999999)

    ```
    clpcfadm.py mod -t resource/md@md1/parameters/bandlimit␣
    ↪--set <Value>
    ```

    Note: If you do not limit the communication bandwidth, specify 0.

    ```
    clpcfadm.py mod -t resource/md@md1/parameters/bandlimit --set 0
    ```

- Thread Timeout (sec)

  Default, 0 (minimum, 2; maximum, 9999)

  ```
  clpcfadm.py mod -t resource/md@md1/parameters/apthreadtimeout␣
  ↪--set <Value>
  ```

- History Files Store Folder (Within 1023 bytes)

  ```
  clpcfadm.py mod -t resource/md@md1/parameters/historydir --set
  ↪<History Files Store Folder>
  ```

- Limit size of History File
  - Size Limit (MB)

    Default, 0 (minimum, 1; maximum, 999999999)

    ```
    clpcfadm.py mod -t resource/md@md1/parameters/historymax␣
    ↪--set <Value>
    ```

    Note: If you do not limit the history file size, specify 0.

    ```
    clpcfadm.py mod -t resource/md@md1/parameters/historymax --set 0
    ```

- Compress Data

Compress Data	Value
Compress data in normal operation	1
Compress data in recovery operation	2
Compress data in normal and recovery operation	3
Do not compress (default)	0

```
clpcfadm.py mod -t resource/md@md1/parameters/compress --set
↪<Value>
```

Important: You cannot specify "Compress data in normal operation" or "Compress data in normal and recovery operation", with "Synchronize data" set to "Synchronize".

Recovery Method

- Compress Data When Recovering

Compress Data When Recovering	Value
Compress data in normal operation	1
Compress data in recovery operation	2
Compress data in normal and recovery operation	3
Do not compress (default)	0

```
clpcfadm.py mod -t resource/md@md1/parameters/compress --set
↪<Value>
```

Important: You cannot specify "Compress data in normal operation" or "Compress data in normal and recovery operation", with "Synchronize data" set to "Synchronize".

Mirror Communication Encryption

- Encrypt mirror communication

Encrypt mirror communication	Value
Encrypt	1
Do not encrypt (default)	0

```
clpcfadm.py mod -t resource/md@md1/parameters/crypto/use --set
↪<Value>
```

- Key File Path (Within 1023 bytes)

```
clpcfadm.py mod -t resource/md@md1/parameters/crypto/keyfile␣
↪--set <Key File Path>
```

Note: Set as above with "Encrypt mirror communication" set to "Encrypt".

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/md@md1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/md@md1/preact/use --set <Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/md@md1/predeact/use --set <Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/md@md1/postact/use --set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/md@md1/postdeact/use --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/md@md1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/predeact/default --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/postact/default --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/postdeact/default --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/md@md1/preact/path --set <File>
```

```
clpcfadm.py mod -t resource/md@md1/predeact/path --set <File>
clpcfadm.py mod -t resource/md@md1/postact/path --set <File>
clpcfadm.py mod -t resource/md@md1/postdeact/path --set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/md@md1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/md@md1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/md@md1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/md@md1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/md@md1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/predeact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/postact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/postdeact/timeout --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/md@md1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/predeact/account --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/postact/account --set
↪<Value>
clpcfadm.py mod -t resource/md@md1/postdeact/account --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

7.14.3 Deleting a mirror disk resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs> md␣
↪md1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.15 Oracle Cloud DNS resource

Note:

The command lines in this section use **ocdns1** as the group resource name.
Change it to suit your environment.

7.15.1 Adding an Oracle Cloud DNS resource

Be sure to set the following items. For details, see "*Setting Oracle Cloud DNS resource parameters*".

Item (mandatory)
Group resource name
Region
Domain (FQDN)
Zone OCID
IP Address

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> ocdns␣
↪ocdns1
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/region --set <Region␣
↪(Common)>
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/domain --set <Domain␣
↪(FQDN)>
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/zoneid --set <Zone␣
↪OCID (Common)>
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/ip --set <IP Address␣
↪(Common)>
clpcfadm.py mod -t resource/ocdns@ocdns1/server@<Server name>/parameters/
↪region --set <Region (Individual)>
clpcfadm.py mod -t resource/ocdns@ocdns1/server@<Server name>/parameters/
↪zoneid --set <Zone OCID (Individual)>
clpcfadm.py mod -t resource/ocdns@ocdns1/server@<Server name>/parameters/
↪ip --set <IP Address (Individual)>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.15.2 Setting Oracle Cloud DNS resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/comment --set <Comment>
```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep ocdns ocdns1
```

- Set a parent resource

```
clpcfadm.py add rscdep ocdns ocdns1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep ocdns ocdns1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/ocdns@ocdns1/depend@<Parent resource name>
↪ --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5

Continued on next page

Table 7.241 – continued from previous page

Final Action	Value
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/preaction/path␣
↪--set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/ocdns@ocdns1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/ocdns@ocdns1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/ocdns@ocdns1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/ocdns@ocdns1/deact/preaction/
↪account --set <Exec User>
```

Details

Common

- Region (Within 48 bytes)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/region --set
↪<Region>
```

- Domain (FQDN) (Within 254 bytes)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/domain --set
↪<Domain (FQDN)>
```

- Zone OCID (Within 255 bytes)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/zoneid --set
↪<Zone OCID>
```

- IP Address

```
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/ip --set <IP␣
↪Address>
```

- TTL (sec)

  Default, 300 (minimum, 1; maximum, 604800)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/ttl --set
↪<Value>
```

- Delete a resource record set at deactivation

Delete a resource record set at deactivation	Value
Delete	1
Do not delete (default)	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/delete --set
↪<Value>
```

- Use Proxy

Use Proxy	Value
Use	1
Do not use (default)	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/proxy/use␣
↪--set <Value>
```

- How far you manage a resource record in a multi-region environment

How far you manage a resource record in a multi-region environment	Value
Only the region to which the active server belongs	0
All regions to which the cluster servers belong (default)	1

```
clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/operationscope␣
↪--set <Value>
```

Tuning

OCI CLI

- Timeout (sec)

  Default, 100 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t resource/ocdns@ocdns1/parameters/
  ↪ociclitimeout --set <Value>
  ```

Set Up Individually

Set the following for each server.

- Region (Within 48 bytes)

  ```
  clpcfadm.py mod -t resource/ocdns@ocdns1/server@<Server name>/
  ↪parameters/region --set <Region> --nocheck
  ```

- Zone OCID (Within 255 bytes)

  ```
  clpcfadm.py mod -t resource/ocdns@ocdns1/server@<Server name>/
  ↪parameters/zoneid --set <Zone OCID> --nocheck
  ```

- IP Address

  ```
  clpcfadm.py mod -t resource/ocdns@ocdns1/server@<Server name>/
  ↪parameters/ip --set <IP Address> --nocheck
  ```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1

Continued on next page

Table 7.252 – continued from previous page

Execute Script after Activation	Value
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ocdns@ocdns1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/ocdns@ocdns1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/ocdns@ocdns1/postact/path --set
↪<File>
```

```
clpcfadm.py mod -t resource/ocdns@ocdns1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/ocdns@ocdns1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ocdns@ocdns1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ocdns@ocdns1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ocdns@ocdns1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ocdns@ocdns1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/ocdns@ocdns1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/ocdns@ocdns1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.15.3 Deleting an Oracle Cloud DNS resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪ocdns ocdns1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.16 Oracle Cloud Virtual IP resource

Note:

The command lines in this section use **ocvip1** as the group resource name.
Change it to suit your environment.

7.16.1 Adding an Oracle Cloud Virtual IP resource

Be sure to set the following items. For details, see "*Setting Oracle Cloud Virtual IP resource parameters*".

Item (mandatory)
Group resource name
Port Number

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> ocvip␣
↪ocvip1
clpcfadm.py mod -t resource/ocvip@ocvip1/parameters/probeport --set <Port␣
↪Number>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.16.2 Setting Oracle Cloud Virtual IP resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/ocvip@ocvip1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep ocvip ocvip1
```

- Set a parent resource

```
clpcfadm.py add rscdep ocvip ocvip1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep ocvip ocvip1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/ocvip@ocvip1/depend@<Parent resource name>
↪ --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/preaction/path␣
↪--set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/ocvip@ocvip1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/ocvip@ocvip1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/ocvip@ocvip1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/ocvip@ocvip1/deact/preaction/
↪account --set <Exec User>
```

Details

- Port Number

  Default, None (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/parameters/probeport --set
↪<Value>
```

Tuning

- Health Check Timeout (sec)

Default, 30 (minimum, 5; maximum, 999999999)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/parameters/probetimeout␣
↪--set <Value>
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/ocvip@ocvip1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/ocvip@ocvip1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/ocvip@ocvip1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/ocvip@ocvip1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/ocvip@ocvip1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ocvip@ocvip1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ocvip@ocvip1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/ocvip@ocvip1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)

Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/ocvip@ocvip1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/ocvip@ocvip1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/ocvip@ocvip1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.16.3 Deleting an Oracle Cloud Virtual IP resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪ocvip ocvip1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.17 Registry synchronization resource

Note:

The command lines in this section use **regsync1** as the group resource name.
Change it to suit your environment.

7.17.1 Adding a registry synchronization resource

Be sure to set the following items. For details, see "*Setting registry synchronization resource parameters*".

Item (mandatory)
Group resource name
Registry Key

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪regsync regsync1
clpcfadm.py mod -t resource/regsync@regsync1/parameters/list@<ID>/regkey␣
↪--set <Registry Key> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.17.2 Setting registry synchronization resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/regsync@regsync1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep regsync regsync1
```

- Set a parent resource

```
clpcfadm.py add rscdep regsync regsync1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep regsync regsync1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/regsync@regsync1/depend@<Parent resource␣
↪name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/regsync@regsync1/act/retry --set
↪<Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/regsync@regsync1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/regsync@regsync1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/regsync@regsync1/act/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/regsync@regsync1/act/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/regsync@regsync1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/regsync@regsync1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/regsync@regsync1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/regsync@regsync1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/regsync@regsync1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/regsync@regsync1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4

Continued on next page

Table 7.275 – continued from previous page

Final Action	Value
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/regsync@regsync1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/regsync@regsync1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

– File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/regsync@regsync1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

– File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/regsync@regsync1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/regsync@regsync1/deact/preaction/
↪path --set predeactaction.bat
```

– Timeout (sec)

Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/regsync@regsync1/deact/preaction/
↪timeout --set <Value>
```

– Exec User

```
clpcfadm.py mod -t resource/regsync@regsync1/deact/preaction/
↪account --set <Exec User>
```

Details

- Registry Key (Within 1023 bytes)

```
clpcfadm.py mod -t resource/regsync@regsync1/parameters/list@<ID>/
↪regkey --set <Registry Key> --nocheck
```

Note:

With only one registry key, specify 1 for ID.
With more than one registry key, specify consecutive numbers (e.g., 1, 2, 3...).

Note: If you register more than one registry key, you cannot specify a parent or child key of a registered key.

Tuning

- Delivery Interval (sec)

  Default, 1 (minimum, 1; maximum, 99)

```
clpcfadm.py mod -t resource/regsync@regsync1/parameters/
↪deliveryinterval --set <Value>
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/regsync@regsync1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/regsync@regsync1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/regsync@regsync1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/regsync@regsync1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/regsync@regsync1/postdeact/use␣
↪--set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/regsync@regsync1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/postdeact/
↪default --set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/regsync@regsync1/preact/path␣
↪--set <File>
clpcfadm.py mod -t resource/regsync@regsync1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/regsync@regsync1/postact/path␣
↪--set <File>
```

```
clpcfadm.py mod -t resource/regsync@regsync1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/regsync@regsync1/preact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/regsync@regsync1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/regsync@regsync1/postact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/regsync@regsync1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/regsync@regsync1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/postdeact/
↪timeout --set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/regsync@regsync1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/regsync@regsync1/postdeact/
↪account --set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.17.3 Deleting a registry synchronization resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪regsync regsync1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.18 Script resource

Note:

The command lines in this section use **script1** as the group resource name.
Change it to suit your environment.

7.18.1 Adding a script resource

Be sure to set the following items. For details, see "*Setting script resource parameters*".

Item (mandatory)
Group resource name

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪script script1
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.18.2 Setting script resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/script@script1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

  ```
  clpcfadm.py del rscdep script script1
  ```

- Set a parent resource

  ```
  clpcfadm.py add rscdep script script1 <Parent resource name>
  ```

- No parent resource

  ```
  clpcfadm.py add rscdep script script1 ""
  ```

- Delete a parent resource

```
clpcfadm.py mod -t resource/script@script1/depend@<Parent resource␣
↪name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t resource/script@script1/act/retry --set <Value>
  ```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

  ```
  clpcfadm.py mod -t resource/script@script1/act/mode --set <Value>
  ```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t resource/script@script1/act/fo2 --set <Value>
  ```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

  ```
  clpcfadm.py mod -t resource/script@script1/act/action --set <Value>
  ```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

  ```
  clpcfadm.py mod -t resource/script@script1/act/preaction/use --set
  ↪<Value>
  ```

  Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

  Script Settings
  - File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/script@script1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/script@script1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/script@script1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)
  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/script@script1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/script@script1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/script@script1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/script@script1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/script@script1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/script@script1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/script@script1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/script@script1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/script@script1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/script@script1/deact/preaction/
↪account --set <Exec User>
```

Details

- Script

Note:

If you edit the default script file, edit <Installation path>\scripts\<Name of the group where the file belongs>\<Script resource name>\start.bat or stop.bat.

If you add a script file, store it in <Installation path>\scripts\<Name of the group where the file belongs>\<Script resource name>.

Tuning

Start

- Timeout (sec)

  Default, 1800 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪acttimeout --set <Value>
```

- Normal Return Value

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪actnormalval --set <Value>
```

- Execute on standby server

Execute on standby server	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪actpostrunothers --set <Value>
```

  – Timeout (sec)

    Default, 10 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪acttimeoutothers --set <Value>
```

Note: Set as above with "Execute on standby server" set to "Execute".

- Perform recovery processing

Perform recovery processing	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪recoveruse --set <Value>
```

Stop

- Timeout (sec)

  Default, 1800 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪deacttimeout --set <Value>
```

- Normal Return Value

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪deactnormalval --set <Value>
```

- Execute on standby server

Execute on standby server	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪deactprerunothers --set <Value>
```

  – Timeout (sec)

Default, 10 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪deacttimeoutothers --set <Value>
```

Note: Set as above with "Execute on standby server" set to "Execute".

- Target VCOM Resource Name

```
clpcfadm.py mod -t resource/script@script1/parameters/target --set
↪<Target VCOM Resource Name>
```

- Allow to Interact with Desktop

Allow to Interact with Desktop	Value
Allow	1
Do not allow (default)	0

```
clpcfadm.py mod -t resource/script@script1/parameters/
↪actinteractive --set <Value>
clpcfadm.py mod -t resource/script@script1/parameters/
↪deactinteractive --set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/script@script1/parameters/account␣
↪--set <Exec User>
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/script@script1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1

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Execute Script before Activation	Value
Do not check (default)	0

```
clpcfadm.py mod -t resource/script@script1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/script@script1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/script@script1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/script@script1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/script@script1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/script@script1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/script@script1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/script@script1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/script@script1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/script@script1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/script@script1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/script@script1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/script@script1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)

  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/script@script1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/script@script1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/script@script1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.18.3 Deleting a script resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪script script1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.19 Disk resource

Note:

The command lines in this section use **sd1** as the group resource name.
Change it to suit your environment.

7.19.1 Adding a disk resource

Be sure to set the following items. For details, see "*Setting disk resource parameters*".

Item (mandatory)
Group resource name
Drive Letter
GUID

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> sd sd1
clpcfadm.py mod -t resource/sd@sd1/parameters/volumemountpoint --set
↪<Drive Letter>
clpcfadm.py mod -t resource/sd@sd1/server@<Server name>/parameters/
↪volumeguid --set <GUID> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.19.2 Setting disk resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/sd@sd1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep sd sd1
```

- Set a parent resource

```
clpcfadm.py add rscdep sd sd1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep sd sd1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/sd@sd1/depend@<Parent resource name>␣
↪--delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/sd@sd1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/sd@sd1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/sd@sd1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/sd@sd1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/sd@sd1/act/preaction/use --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/sd@sd1/act/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/sd@sd1/act/preaction/path --set
↪<File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/sd@sd1/act/preaction/path --set␣
↪preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/sd@sd1/act/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/sd@sd1/act/preaction/account␣
↪--set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/sd@sd1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/sd@sd1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/sd@sd1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/sd@sd1/deact/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/sd@sd1/deact/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/sd@sd1/deact/preaction/path␣
↪--set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/sd@sd1/deact/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/sd@sd1/deact/preaction/account␣
↪--set <Exec User>
```

Details

- Drive Letter

```
clpcfadm.py mod -t resource/sd@sd1/parameters/volumemountpoint --set
↪<Drive Letter>
```

- GUID

```
clpcfadm.py mod -t resource/sd@sd1/server@/<Server name>/parameters/
↪volumeguid --set <GUID> --nocheck
```

Note:

The GUID can be retrieved by using the clpdiskctrl command.
For details, see "*clpdiskctrl command*".

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/sd@sd1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/sd@sd1/preact/use --set <Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/sd@sd1/predeact/use --set <Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/sd@sd1/postact/use --set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1

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Execute Script after Deactivation	Value
Do not check (default)	0

```
clpcfadm.py mod -t resource/sd@sd1/postdeact/use --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/sd@sd1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/sd@sd1/predeact/default --set
↪<Value>
clpcfadm.py mod -t resource/sd@sd1/postact/default --set
↪<Value>
clpcfadm.py mod -t resource/sd@sd1/postdeact/default --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/sd@sd1/preact/path --set <File>
clpcfadm.py mod -t resource/sd@sd1/predeact/path --set <File>
clpcfadm.py mod -t resource/sd@sd1/postact/path --set <File>
clpcfadm.py mod -t resource/sd@sd1/postdeact/path --set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/sd@sd1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/sd@sd1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/sd@sd1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/sd@sd1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/sd@sd1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/sd@sd1/predeact/timeout --set
↪<Value>
```

```
clpcfadm.py mod -t resource/sd@sd1/postact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/sd@sd1/postdeact/timeout --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/sd@sd1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/sd@sd1/predeact/account --set
↪<Value>
clpcfadm.py mod -t resource/sd@sd1/postact/account --set
↪<Value>
clpcfadm.py mod -t resource/sd@sd1/postdeact/account --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

7.19.3 Deleting a disk resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs> sd␣
↪sd1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.20 Service resource

Note:

The command lines in this section use **service1** as the group resource name.
Change it to suit your environment.

7.20.1 Adding a service resource

Be sure to set the following items. For details, see "*Setting service resource parameters*".

Item (mandatory)
Group resource name
Service Name

```
clpcfadm.py add rsc <Name of a group to which the resource belongs>␣
↪service service1
clpcfadm.py mod -t resource/service@service1/parameters/name --set
↪<Service Name>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.20.2 Setting service resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/service@service1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep service service1
```

- Set a parent resource

```
clpcfadm.py add rscdep service service1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep service service1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/service@service1/depend@<Parent resource␣
↪name> --delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/service@service1/act/retry --set
↪<Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/service@service1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/service@service1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/service@service1/act/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/service@service1/act/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/service@service1/act/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/service@service1/act/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/service@service1/act/preaction/
↪path --set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/service@service1/act/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/service@service1/act/preaction/
↪account --set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/service@service1/deact/retry --set
↪<Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4

Continued on next page

Table 7.321 – continued from previous page

Final Action	Value
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/service@service1/deact/action --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/service@service1/deact/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/service@service1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/service@service1/deact/preaction/
↪path --set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/service@service1/deact/preaction/
↪path --set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/service@service1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/service@service1/deact/preaction/
↪account --set <Exec User>
```

Details

- Service Name (Within 1023 bytes)

```
clpcfadm.py mod -t resource/service@service1/parameters/name --set
↪<Service Name>
```

Tuning

Start

- Synchronization type

Synchronization type	Value
Synchronous (default)	1
Asynchronous	0

```
clpcfadm.py mod -t resource/service@service1/parameters/actsync␣
↪--set <Value>
```

- Timeout (sec)

  Default, 1800 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/service@service1/parameters/
↪acttimeout --set <Value>
```

Note: Set as above with "Synchronization type" set to "Synchronous".

Stop

- Synchronization type

Synchronization type	Value
Synchronous (default)	1
Asynchronous	0

```
clpcfadm.py mod -t resource/service@service1/parameters/
↪deactsync --set <Value>
```

- Timeout (sec)

  Default, 1800 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/service@service1/parameters/
↪deacttimeout --set <Value>
```

Note: Set as above with "Synchronization type" set to "Synchronous".

- Target VCOM Resource Name

```
clpcfadm.py mod -t resource/service@service1/parameters/target␣
↪--set <Target VCOM Resource Name>
```

Service

- Start Parameters (Within 1023 bytes)

```
clpcfadm.py mod -t resource/service@service1/parameters/option␣
↪--set <Start Parameters>
```

- Do not generate an error when the service is already started

Do not generate an error when the service is already started	Value
Generate an error (default)	0
Do not generate an error	1

```
clpcfadm.py mod -t resource/service@service1/parameters/started␣
↪--set <Value>
```

- Wait time after service started (sec)

  Default, 0 (minimum, 0; maximum, 9999)

```
clpcfadm.py mod -t resource/service@service1/parameters/
↪actwaittime --set <Value>
```

- Wait time after service stopped (sec)

  Default, 0 (minimum, 0; maximum, 9999)

```
clpcfadm.py mod -t resource/service@service1/parameters/
↪deactwaittime --set <Value>
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/service@service1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/service@service1/preact/use --set
↪<Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/service@service1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/service@service1/postact/use --set
↪<Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/service@service1/postdeact/use␣
↪--set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/service@service1/preact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/predeact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/postact/default␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/postdeact/
↪default --set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/service@service1/preact/path␣
↪--set <File>
clpcfadm.py mod -t resource/service@service1/predeact/path␣
↪--set <File>
clpcfadm.py mod -t resource/service@service1/postact/path␣
↪--set <File>
```

```
clpcfadm.py mod -t resource/service@service1/postdeact/path␣
↪--set <File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/service@service1/preact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/service@service1/predeact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/service@service1/postact/path␣
↪--set rscextent.bat
clpcfadm.py mod -t resource/service@service1/postdeact/path␣
↪--set rscextent.bat
```

- Timeout (sec)
  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/service@service1/preact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/predeact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/postact/timeout␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/postdeact/
↪timeout --set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/service@service1/preact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/predeact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/postact/account␣
↪--set <Value>
clpcfadm.py mod -t resource/service@service1/postdeact/
↪account --set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.20.3 Deleting a service resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪service service1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.21 Virtual computer name resource

Note:

The command lines in this section use **vcom1** as the group resource name.
Change it to suit your environment.

7.21.1 Adding a virtual computer name resource

Be sure to set the following items. For details, see "*Setting virtual computer name resource parameters*".

Item (mandatory)
Group resource name
Virtual Computer Name

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> vcom␣
↪vcom1
clpcfadm.py mod -t resource/vcom@vcom1/parameters/vcomname --set <Virtual␣
↪Computer Name>
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.21.2 Setting virtual computer name resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t resource/vcom@vcom1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep vcom vcom1
```

- Set a parent resource

```
clpcfadm.py add rscdep vcom vcom1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep vcom vcom1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/vcom@vcom1/depend@<Parent resource name>␣
↪--delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/vcom@vcom1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/vcom@vcom1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/vcom@vcom1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/vcom@vcom1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vcom@vcom1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/vcom@vcom1/act/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/vcom@vcom1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/vcom@vcom1/act/preaction/path␣
↪--set preactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/vcom@vcom1/act/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/vcom@vcom1/act/preaction/account␣
↪--set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/vcom@vcom1/deact/retry --set <Value>
```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/vcom@vcom1/deact/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vcom@vcom1/deact/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/vcom@vcom1/deact/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/vcom@vcom1/deact/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **predeactaction.bat**.

```
clpcfadm.py mod -t resource/vcom@vcom1/deact/preaction/path␣
↪--set predeactaction.bat
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/vcom@vcom1/deact/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t resource/vcom@vcom1/deact/preaction/
↪account --set <Exec User>
```

Details

Important:

If "Target FIP Resource Name" is not set, the resource is activated in non-bind mode.
In non-bind mode, the resource becomes inaccessible temporarily after failover.

- Virtual Computer Name (Within 15 bytes)

```
clpcfadm.py mod -t resource/vcom@vcom1/parameters/vcomname --set
↪<Virtual Computer Name>
```

- Target FIP Resource Name

```
clpcfadm.py mod -t resource/vcom@vcom1/parameters/target --set
↪<Target FIP Resource Name>
```

Tuning

- Register with DNS dynamically

Register with DNS dynamically	Value
Dynamically register	1
Do not dynamically register (default)	0

```
clpcfadm.py mod -t resource/vcom@vcom1/parameters/dnsregister␣
↪--set <Value>
```

Note: To set the following items, set "Register with DNS dynamically" to "Dynamically register" in advance.

- IP address to be associated

IP address to be associated	Value
FIP (default)	0
Any Address	2

```
clpcfadm.py mod -t resource/vcom@vcom1/parameters/dnstype --set
↪<Value>
```

Important: If "Target FIP Resource Name" has not been set, specify "Any Address".

- IP Address

```
clpcfadm.py mod -t resource/vcom@vcom1/server@<Server name>/
↪parameters/dnsip --set <IP Address> --nocheck
```

Note: Set as above with "IP address to be associated" set to "Any Address".

Note: If you delete a server, set as follows:

```
clpcfadm.py mod -t resource/vcom@vcom1/server@<Server name> --delete
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/vcom@vcom1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vcom@vcom1/preact/use --set <Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vcom@vcom1/predeact/use --set
↪<Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vcom@vcom1/postact/use --set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vcom@vcom1/postdeact/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/vcom@vcom1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/predeact/default --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/postact/default --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/postdeact/default␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/vcom@vcom1/preact/path --set
↪<File>
clpcfadm.py mod -t resource/vcom@vcom1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/vcom@vcom1/postact/path --set
↪<File>
clpcfadm.py mod -t resource/vcom@vcom1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/vcom@vcom1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/vcom@vcom1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/vcom@vcom1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/vcom@vcom1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)

  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/vcom@vcom1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/predeact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/postact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/postdeact/timeout␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/vcom@vcom1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/predeact/account --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/postact/account --set
↪<Value>
clpcfadm.py mod -t resource/vcom@vcom1/postdeact/account␣
↪--set <Value>
```

Note: Set each of the <Value> fields to the same value.

7.21.3 Deleting a virtual computer name resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs>␣
↪vcom vcom1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

7.22 Virtual IP resource

Note:

The command lines in this section use **vip1** as the group resource name.
Change it to suit your environment.

7.22.1 Adding a Virtual IP resource

Be sure to set the following items. For details, see "*Setting Virtual IP resource parameters*".

Item (mandatory)
Group resource name
IP Address
Net Mask
Destination IP Address
Source IP Address
Routing Protocol

```
clpcfadm.py add rsc <Name of a group to which the resource belongs> vip␣
↪vip1
clpcfadm.py mod -t resource/vip@vip1/parameters/ip --set <IP Address␣
↪(Common)>
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/parameters/ip␣
↪--set <IP Address (Individual)> --nocheck
clpcfadm.py mod -t resource/vip@vip1/parameters/mask --set <Net Mask␣
↪(Common)>
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/parameters/mask␣
↪--set <Net Mask (Individual)> --nocheck
clpcfadm.py mod -t resource/vip@vip1/parameters/multicast/dstaddr --set
↪<Destination IP Address (Common)>
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/parameters/
↪multicast/dstaddr --set <Destination IP Address (Individual)> --nocheck
clpcfadm.py mod -t resource/vip@vip1/parameters/multicast/srcaddr --set
↪<Source IP Address (Common)>
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/parameters/
↪multicast/srcaddr --set <Source IP Address (Individual)> --nocheck
clpcfadm.py mod -t resource/vip@vip1/parameters/protocol --set <Routing␣
↪Protocol (Common)>
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/parameters/
↪protocol --set <Routing Protocol (Individual)> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

7.22.2 Setting Virtual IP resource parameters

Basic information

- Group resource name (Within 31 bytes)

  This is set when the resource is added. To change the group resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

```
clpcfadm.py mod -t resource/vip@vip1/comment --set <Comment>
```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Dependency

- Follow the default dependency (default)

```
clpcfadm.py del rscdep vip vip1
```

- Set a parent resource

```
clpcfadm.py add rscdep vip vip1 <Parent resource name>
```

- No parent resource

```
clpcfadm.py add rscdep vip vip1 ""
```

- Delete a parent resource

```
clpcfadm.py mod -t resource/vip@vip1/depend@<Parent resource name>␣
↪--delete
```

Recovery Operation

Recovery Operation at Activity Failure Detection

- Retry Count

  Default, 5 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/vip@vip1/act/retry --set <Value>
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t resource/vip@vip1/act/mode --set <Value>
```

- Failover Threshold

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t resource/vip@vip1/act/fo2 --set <Value>
```

- Final Action

Final Action	Value
No operation (activate next resource)	0
No operation (not activate next resource) (default)	1
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t resource/vip@vip1/act/action --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vip@vip1/act/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

– File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/vip@vip1/act/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

– File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/vip@vip1/act/preaction/path␣
↪--set <File>
```

Note: If you specify "Script created with this product", specify **preactaction.bat**.

```
clpcfadm.py mod -t resource/vip@vip1/act/preaction/path␣
↪--set preactaction.bat
```

– Timeout (sec)

Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/vip@vip1/act/preaction/timeout␣
↪--set <Value>
```

– Exec User

```
clpcfadm.py mod -t resource/vip@vip1/act/preaction/account␣
↪--set <Exec User>
```

Recovery Operation at Deactivity Failure Detection

- Retry Count at Deactivation Failure

  Default, 1 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t resource/vip@vip1/deact/retry --set <Value>
  ```

- Final Action

Final Action	Value
No operation (deactivate next resource)	0
No operation (not deactivate next resource)	1
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

  ```
  clpcfadm.py mod -t resource/vip@vip1/deact/action --set <Value>
  ```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

  ```
  clpcfadm.py mod -t resource/vip@vip1/deact/preaction/use --set
  ↪<Value>
  ```

  Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

  Script Settings

  - File type

Script file type	Value
Script created with this product (default)	1
User Application	0

    ```
    clpcfadm.py mod -t resource/vip@vip1/deact/preaction/default␣
    ↪--set <Value>
    ```

    Note: If you change the value of this parameter, also change that of "File".

  - File (Within 1023 bytes)

    ```
    clpcfadm.py mod -t resource/vip@vip1/deact/preaction/path␣
    ↪--set <File>
    ```

    Note: If you specify "Script created with this product", specify **predeactaction.bat**.

    ```
    clpcfadm.py mod -t resource/vip@vip1/deact/preaction/path␣
    ↪--set predeactaction.bat
    ```

  - Timeout (sec)

    Default, 5 (minimum, 1; maximum, 9999)

    ```
    clpcfadm.py mod -t resource/vip@vip1/deact/preaction/timeout␣
    ↪--set <Value>
    ```

  - Exec User

```
clpcfadm.py mod -t resource/vip@vip1/act/preaction/account␣
↪--set <Exec User>
```

Details

Common

- IP Address

```
clpcfadm.py mod -t resource/vip@vip1/parameters/ip --set <IP␣
↪Address>
```

- Net Mask

```
clpcfadm.py mod -t resource/vip@vip1/parameters/mask --set <Net␣
↪Mask>
```

- Destination IP Address

```
clpcfadm.py mod -t resource/vip@vip1/parameters/multicast/dstaddr␣
↪--set <Destination IP Address>
```

- Source IP Address

```
clpcfadm.py mod -t resource/vip@vip1/parameters/multicast/srcaddr␣
↪--set <Source IP Address>
```

- Send Interval (sec)

  Default, 30 (minimum, 1; maximum, 30)

```
clpcfadm.py mod -t resource/vip@vip1/parameters/multicast/interval␣
↪--set <Value>
```

- Routing Protocol

Value
RIPngver1
RIPngver2
RIPngver3
RIPver1 (default)
RIPver2

```
clpcfadm.py mod -t resource/vip@vip1/parameters/protocol --set
↪<Value>
```

Note: If you use two or more routing protocols, put commas (,) to separate them.

```
clpcfadm.py mod -t resource/vip@vip1/parameters/protocol --set␣
↪"RIPngver3,RIPver2"
```

Tuning

Parameter

- Run Ping

Run Ping	Value
Execute Ping (default)	1
Do not execute Ping	0

```
clpcfadm.py mod -t resource/vip@vip1/parameters/pingexec␣
↪--set <Value>
```

ping

- Interval (sec)
  Default, 1 (minimum, 0; maximum, 999)
  ```
  clpcfadm.py mod -t resource/vip@vip1/parameters/pinginterval␣
  ↪--set <Value>
  ```
- Timeout (msec)
  Default, 1000 (minimum, 1; maximum, 999999)
  ```
  clpcfadm.py mod -t resource/vip@vip1/parameters/pingtimeout␣
  ↪--set <Value>
  ```
- Retry Count
  Default, 5 (minimum, 0; maximum, 999)
  ```
  clpcfadm.py mod -t resource/vip@vip1/parameters/pingretry␣
  ↪--set <Value>
  ```
- Judge NIC Link Down as Failure

Judge NIC Link Down as Failure	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t resource/vip@vip1/parameters/monmii --set
↪<Value>
```

RIP

- Metric
  Default, 3 (minimum, 1; maximum, 15)
  ```
  clpcfadm.py mod -t resource/vip@vip1/parameters/protocols/rip/
  ↪metric --set <Value>
  ```

Port

- Port
  Default, 520 (minimum, 1; maximum, 65535)

  Add
  ```
  clpcfadm.py mod -t resource/vip@vip1/parameters/protocols/
  ↪rip/port --set <Value>
  ```

  Note: If you set two or more ports, put commas (,) to separate them.
  ```
  clpcfadm.py mod -t resource/vip@vip1/parameters/protocols/
  ↪rip/port --set "12345,520"
  ```

  Delete (initializing the value to the default value)
  ```
  clpcfadm.py mod -t resource/vip@vip1/parameters/protocols/
  ↪rip/port --set 520
  ```

RIPng

- Metric
  Default, 1 (minimum, 1; maximum, 15)

```
clpcfadm.py mod -t resource/vip@vip1/parameters/protocols/
↪ripng/metric --set <Value>
```

– Port

Default, 521 (minimum, 1; maximum, 65535)

Add

```
clpcfadm.py mod -t resource/vip@vip1/parameters/
↪protocols/ripng/port --set <Value>
```

Note: If you set two or more ports, put commas (,) to separate them.

```
clpcfadm.py mod -t resource/vip@vip1/parameters/
↪protocols/ripng/port --set "12345,521"
```

Delete (initializing the value to the default value)

```
clpcfadm.py mod -t resource/vip@vip1/parameters/
↪protocols/ripng/port --set 521
```

Set Up Individually

Set the following for each server.

- IP Address

```
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/
↪parameters/ip --set <IP Address> --nocheck
```

- Net Mask (Within 15 bytes)

```
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/
↪parameters/mask --set <Net Mask> --nocheck
```

- Destination IP Address

```
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/
↪parameters/multicast/dstaddr --set <Destination IP Address>␣
↪--nocheck
```

- Source IP Address

```
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/
↪parameters/multicast/srcaddr --set <Source IP Address> --nocheck
```

- Send Interval (sec)

```
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/
↪parameters/multicast/interval --set <Send Interval> --nocheck
```

- Routing Protocol

```
clpcfadm.py mod -t resource/vip@vip1/server@<Server name>/
↪parameters/protocol --set <Routing Protocol> --nocheck
```

Extension

- Resource Startup Attribute

Resource Startup Attribute	Value
Automatic startup (default)	1
Manual startup	0

```
clpcfadm.py mod -t resource/vip@vip1/start --set <Value>
```

Execute Script before or after Activation or Deactivation

Note: If "Execute" is set for a script, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Activation

Execute Script before Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vip@vip1/preact/use --set <Value>
```

- Execute Script after Activation

Execute Script after Activation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vip@vip1/predeact/use --set <Value>
```

- Execute Script before Deactivation

Execute Script before Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vip@vip1/postact/use --set <Value>
```

- Execute Script after Deactivation

Execute Script after Deactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t resource/vip@vip1/postdeact/use --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t resource/vip@vip1/preact/default --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/predeact/default --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/postact/default --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/postdeact/default --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t resource/vip@vip1/preact/path --set <File>
clpcfadm.py mod -t resource/vip@vip1/predeact/path --set
↪<File>
clpcfadm.py mod -t resource/vip@vip1/postact/path --set <File>
clpcfadm.py mod -t resource/vip@vip1/postdeact/path --set
↪<File>
```

Note: Set all <File> fields to the same value.

Note: If you specify "Script created with this product", specify **rscextent.bat**.

```
clpcfadm.py mod -t resource/vip@vip1/preact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/vip@vip1/predeact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/vip@vip1/postact/path --set␣
↪rscextent.bat
clpcfadm.py mod -t resource/vip@vip1/postdeact/path --set␣
↪rscextent.bat
```

- Timeout (sec)

  Default, 30 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t resource/vip@vip1/preact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/predeact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/postact/timeout --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/postdeact/timeout --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

- Exec User

```
clpcfadm.py mod -t resource/vip@vip1/preact/account --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/predeact/account --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/postact/account --set
↪<Value>
clpcfadm.py mod -t resource/vip@vip1/postdeact/account --set
↪<Value>
```

Note: Set each of the <Value> fields to the same value.

7.22.3 Deleting a Virtual IP resource

Delete a resource by specifying the group resource type and group resource name.

```
clpcfadm.py del rsc <Name of the group to which the resource belongs> vip␣
↪vip1
```

Important: Resources associated with the group resource that you delete, such as monitor resources, are not deleted together.

CHAPTER

EIGHT

CONFIGURING MONITOR RESOURCES

8.1 Application monitor resource

Note:

The command lines in this section use **appliw1** as the monitor resource name.
Change it to suit your environment.

8.1.1 Adding an application monitor resource

Be sure to set the following items. For details, see "*Setting application monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon appliw appliw1
clpcfadm.py mod -t monitor/appliw@appliw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/appliw@appliw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/appliw@appliw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.1.2 Setting application monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

```
clpcfadm.py mod -t monitor/appliw@appliw1/comment --set <Comment>
```

Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

```
clpcfadm.py mod -t monitor/appliw@appliw1/polling/interval --set
↪<Value>
```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

```
clpcfadm.py mod -t monitor/appliw@appliw1/polling/timeout --set
↪<Value>
```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/timeout/
↪notrecovery/use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

```
clpcfadm.py mod -t monitor/appliw@appliw1/polling/reconfirmation␣
↪--set <Value>
```

- Wait Time to Start Monitoring (sec)

  Default, 3 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/appliw@appliw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/appliw@appliw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only an application resource for this monitor resource.

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/appliw@appliw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

  With only one server to be monitored, specify 0 for ID.
  With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/appliw@appliw1/perf/metrics/use --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/appliw@appliw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/appliw@appliw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[5]	16
Stop group[6]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

[5] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[6] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/
↪account --set <Exec User>
```

- Exec User

```
clpcfadm.py mod -t monitor/appliw@appliw1/emergency/preaction/
↪account --set <Exec User>
```

8.1.3 Deleting an application monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon appliw appliw1
```

8.2 AWS AZ monitor resource

Note:

The command lines in this section use **awsazw1** as the monitor resource name.
Change it to suit your environment.

8.2.1 Adding an AWS AZ monitor resource

Be sure to set the following items. For details, see "*Setting AWS AZ monitor resource parameters*".

Item (mandatory)
Monitor resource name
Availability Zone
Recovery target
Recovery target type

```
clpcfadm.py add mon awsazw awsazw1
clpcfadm.py mod -t monitor/awsazw@awsazw1/parameters/availabilityzone␣
↪--set <Availability Zone>
clpcfadm.py mod -t monitor/awsazw@awsazw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/awsazw@awsazw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.2.2 Setting AWS AZ monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/awsazw@awsazw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsazw@awsazw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsazw@awsazw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsazw@awsazw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/awsazw@awsazw1/firstmonwait --set <Value>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/awsazw@awsazw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

  With only one server to be monitored, specify 0 for ID.

With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

Common

- Availability Zone (Within 45 bytes)

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/parameters/
↪availabilityzone --set <Availability Zone>
```

- Action when AWS CLI command failed to receive response

Action when AWS CLI command failed to receive response	Value
Disable recovery action(Do nothing) (default)	0
Disable recovery action(Display warning)	1
Recover	2

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/parameters/mode --set
↪<Value>
```

Set Up Individually

Set the following for each server.

- Availability Zone (Within 45 bytes)

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/server@<Server name>/
↪parameters/availabilityzone --set <Value> --nocheck
```

Note: To return to the common settings, set the following for each server.
`clpcfadm.py mod -t monitor/awsazw@awsazw1/server@<Server name> --delete`

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/awsazw@awsazw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[7]	16
Stop group[8]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/action --set
```

[7] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[8] Cannot be specified with "Recovery target type" set to "cls".

```
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/awsazw@awsazw1/emergency/preaction/
↪account --set <Exec User>
```

8.2.3 Deleting an AWS AZ monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon awsazw awsazw1
```

8.3 AWS DNS monitor resource

Note:

The command lines in this section use **awsdnsw1** as the monitor resource name.
Change it to suit your environment.

8.3.1 Adding an AWS DNS monitor resource

Be sure to set the following items. For details, see "*Setting AWS DNS monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon awsdnsw awsdnsw1
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.3.2 Setting AWS DNS monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 300 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only an AWS DNS resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Action when AWS CLI command failed to receive response

Action when AWS CLI command failed to receive response	Value
Disable recovery action(Do nothing) (default)	0
Disable recovery action(Display warning)	1
Recover	2

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/parameters/mode --set
↪<Value>
```

- Check Name Resolution

Check Name Resolution	Value
Check Name Resolution (default)	1
Do not check name resolution	0

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/parameters/dnscheck --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/action --set␣
↪1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/action --set␣
↪1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/threshold/
↪script --set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/threshold/
```

```
↪restart --set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[9]	16
Stop group[10]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5

Continued on next page

Table 8.35 – continued from previous page

Final Action	Value
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/preaction/
↪path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/awsdnsw@awsdnsw1/emergency/preaction/
↪account --set <Exec User>
```

[9] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[10] Cannot be specified with "Recovery target type" set to "cls".

8.3.3 Deleting an AWS DNS monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon awsdnsw awsdnsw1
```

8.4 AWS Elastic IP monitor resource

Note:

The command lines in this section use **awseipw1** as the monitor resource name.
Change it to suit your environment.

8.4.1 Adding an AWS Elastic IP monitor resource

Be sure to set the following items. For details, see "*Setting AWS Elastic IP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon awseipw awseipw1
clpcfadm.py mod -t monitor/awseipw@awseipw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/awseipw@awseipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/awseipw@awseipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.4.2 Setting AWS Elastic IP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only an AWS Elastic IP resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Action when AWS CLI command failed to receive response

Action when AWS CLI command failed to receive response	Value
Disable recovery action(Do nothing) (default)	0
Disable recovery action(Display warning)	1
Recover	2

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/parameters/mode --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/awseipw@awseipw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/threshold/
```

```
↪restart --set 0
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/action --set␣
↪1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/action --set␣
↪1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/threshold/
  ↪script --set <Value>
  ```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/threshold/
  ↪restart --set <Value>
  ```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/awseipw@awseipw/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[11]	16
Stop group[12]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

[11] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[12] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/preaction/
↪path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/awseipw@awseipw1/emergency/preaction/
↪account --set <Exec User>
```

8.4.3 Deleting an AWS Elastic IP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon awseipw awseipw1
```

8.5 AWS Secondary IP monitor resource

Note:

The command lines in this section use **awssipw1** as the monitor resource name.
Change it to suit your environment.

8.5.1 Adding an AWS secondary IP monitor resource

Be sure to set the following items. For details, see "*Setting AWS secondary IP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon awssipw awssipw1
clpcfadm.py mod -t monitor/awssipw@awssipw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/awssipw@awssipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/awssipw@awssipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.5.2 Setting AWS secondary IP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/awssipw@awssipw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awssipw@awssipw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awssipw@awssipw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awssipw@awssipw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/awssipw@awssipw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/awssipw@awssipw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only an AWS secondary IP resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Action when AWS CLI command failed to receive response

Action when AWS CLI command failed to receive response	Value
Disable recovery action(Do nothing) (default)	0
Disable recovery action(Display warning)	1
Recover	2

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/parameters/mode --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/awssipw@awssipw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/threshold/
```

```
↪restart --set 0
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/action --set␣
↪1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/action --set␣
↪1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/threshold/
↪script --set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/threshold/
↪restart --set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[13]	16
Stop group[14]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

[13] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[14] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/preaction/
↪path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/awssipw@awssipw1/emergency/preaction/
↪account --set <Exec User>
```

8.5.3 Deleting an AWS secondary IP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon awssipw awssipw1
```

8.6 AWS Virtual IP monitor resource

Note:

The command lines in this section use **awsvipw1** as the monitor resource name.
Change it to suit your environment.

8.6.1 Adding an AWS Virtual IP monitor resource

Be sure to set the following items. For details, see "*Setting AWS Virtual IP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon awsvipw awsvipw1
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.6.2 Setting AWS Virtual IP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only an AWS Virtual IP resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Action when AWS CLI command failed to receive response

Action when AWS CLI command failed to receive response	Value
Disable recovery action(Do nothing) (default)	0
Disable recovery action(Display warning)	1
Recover	2

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/parameters/mode --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/threshold/
```

```
↪restart --set 0
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/action --set␣
↪1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/action --set␣
↪1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/threshold/
  ↪script --set <Value>
  ```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/threshold/
  ↪restart --set <Value>
  ```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[15]	16
Stop group[16]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

[15] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[16] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/preaction/
↪path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/awsvipw@awsvipw1/emergency/preaction/
↪account --set <Exec User>
```

8.6.3 Deleting an AWS Virtual IP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon awsvipw awsvipw1
```

8.7 Azure DNS monitor resource

Note:

The command lines in this section use **azurednsw1** as the monitor resource name.
Change it to suit your environment.

8.7.1 Adding an Azure DNS monitor resource

Be sure to set the following items. For details, see "*Setting Azure DNS monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon azurednsw azurednsw1
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/target --set <Target␣
↪Resource (monitored when active)>
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/relation/type --set
↪<Recovery target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.7.2 Setting Azure DNS monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/azurednsw@azurednsw1/comment --set
  ↪<Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azurednsw@azurednsw1/polling/interval␣
  ↪--set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azurednsw@azurednsw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azurednsw@azurednsw1/polling/
  ↪reconfirmation --set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 60 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/azurednsw@azurednsw1/firstmonwait --set
  ↪<Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/azurednsw@azurednsw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only an Azure DNS resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/polling/servers@<ID>/
↪name --set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/perf/metrics/use␣
↪--set <Value>
```

Monitor (special)

- Check Name Resolution

Check Name Resolution	Value
Check Name Resolution (default)	1
Do not check name resolution	0

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/parameters/dnscheck␣
↪--set <Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/
↪threshold/restart --set 0
```

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/
↪threshold/fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/action␣
↪--set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/
↪threshold/restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/action␣
↪--set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/threshold/
↪script --set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/threshold/
↪restart --set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/threshold/
↪fo2 --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/preaction/
↪use --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[17]	16
Stop group[18]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/action␣
↪--set <Value>
```

Script Settings

- File type

[17] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[18] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/
↪preaction/default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/
↪preaction/path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/
↪preaction/path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/
↪preaction/timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/azurednsw@azurednsw1/emergency/
↪preaction/account --set <Exec User>
```

8.7.3 Deleting an Azure DNS monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon azurednsw azurednsw1
```

8.8 Azure load balance monitor resource

Note:

The command lines in this section use **azurelbw1** as the monitor resource name.
Change it to suit your environment.

8.8.1 Adding an Azure load balance monitor resource

Be sure to set the following items. For details, see "*Setting Azure load balance monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource
Recovery target
Recovery target type

```
clpcfadm.py add mon azurelbw azurelbw1
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/parameters/object --set
↪<Target Resource>
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/relation/type --set
↪<Recovery target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.8.2 Setting Azure load balance monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/firstmonwait --set
  ↪<Value>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/polling/servers@<ID>/
  ↪name --set <Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Target Resource

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/parameters/object --set
↪<Target Resource>
```

Note: You can specify only an Azure probe port resource.

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/action␣
↪--set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/action␣
↪--set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/threshold/
  ↪script --set <Value>
  ```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/threshold/
  ↪restart --set <Value>
  ```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[19]	16
Stop group[20]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/preaction/
↪default --set <Value>
```

[19] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[20] Cannot be specified with "Recovery target type" set to "cls".

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/preaction/
↪path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/azurelbw@azurelbw1/emergency/preaction/
↪account --set <Exec User>
```

8.8.3 Deleting an Azure load balance monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon azurelbw azurelbw1
```

8.9 Azure probe port monitor resource

Note:

The command lines in this section use **azureppw1** as the monitor resource name.
Change it to suit your environment.

8.9.1 Adding an Azure probe port monitor resource

Be sure to set the following items. For details, see "*Setting Azure probe port monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon azureppw azureppw1
clpcfadm.py mod -t monitor/azureppw@azureppw1/target --set <Target␣
↪Resource (monitored when active)>
clpcfadm.py mod -t monitor/azureppw@azureppw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/azureppw@azureppw1/relation/type --set
↪<Recovery target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.9.2 Setting Azure probe port monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/azureppw@azureppw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azureppw@azureppw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azureppw@azureppw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/azureppw@azureppw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/azureppw@azureppw1/firstmonwait --set
  ↪<Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/azureppw@azureppw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only an Azure probe port resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/polling/servers@<ID>/
↪name --set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Action when Probe port wait timeout

Action when Probe port wait timeout	Value
Disable recovery action(Do nothing) (default)	0
Disable recovery action(Display warning)	1
Recover	2

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/parameters/mode --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/azureppw@azureppw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/threshold/
```

```
↪restart --set 0
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/action␣
↪--set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/action␣
↪--set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/threshold/
↪script --set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/threshold/
↪restart --set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[21]	16
Stop group[22]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

[21] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[22] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/preaction/
↪path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/azureppw@azureppw1/emergency/preaction/
↪account --set <Exec User>
```

8.9.3 Deleting an Azure probe port monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon azureppw azureppw1
```

8.10 CIFS monitor resource

Note:

The command lines in this section use **cifsw1** as the monitor resource name.
Change it to suit your environment.

8.10.1 Adding a CIFS monitor resource

Be sure to set the following items. For details, see "*Setting CIFS monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon cifsw cifsw1
clpcfadm.py mod -t monitor/cifsw@cifsw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/cifsw@cifsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/cifsw@cifsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.10.2 Setting CIFS monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/cifsw@cifsw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/cifsw@cifsw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/cifsw@cifsw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/cifsw@cifsw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/cifsw@cifsw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/cifsw@cifsw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

  Note: You can specify only a CIFS resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Access check

Access check	Value
Do not perform (default)	0
Folder check	1
File check	2

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/parameters/accesscheck --set
↪<Value>
```

  - Path (Within 255 bytes)

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/parameters/checkpath␣
↪--set <Path>
```

Note: Set as above with "Access check" set to "Folder check" or "File check".

  - Check

Check	Value
Read and write	1
Read (default)	0

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/parameters/checkmethod␣
↪--set <Value>
```

Note: Set as above with "Access check" set to "File check".

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/cifsw@cifsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[23]	16
Stop group[24]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/cifsw@cifsw1/emergency/preaction/
↪account --set <Exec User>
```

[23] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[24] Cannot be specified with "Recovery target type" set to "cls".

8.10.3 Deleting a CIFS monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon cifsw cifsw1
```

8.11 DB2 monitor resource

Note:

The command lines in this section use **db2w1** as the monitor resource name.
Change it to suit your environment.

8.11.1 Adding a DB2 monitor resource

Be sure to set the following items. For details, see "*Setting DB2 monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Database Name
Recovery target
Recovery target type

```
clpcfadm.py add mon db2w db2w1
clpcfadm.py mod -t monitor/db2w@db2w1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/db2w@db2w1/agentparam/dbname --set <Database␣
↪Name> --nocheck
clpcfadm.py mod -t monitor/db2w@db2w1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/db2w@db2w1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.11.2 Setting DB2 monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 2 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/db2w@db2w1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/db2w@db2w1/perf/metrics/use --set <Value>
```

Monitor (special)

- Monitor Level

Monitor Level	Value
Level 1 (monitoring by select)	3
Level 2 (monitoring by update/select) (default)	0

```
clpcfadm.py mod -t monitor/db2w@db2w1/agentparam/docreatedrop --set
↪<Value>
```

- Database Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/db2w@db2w1/agentparam/dbname --set
↪<Database Name> --nocheck
```

- Instance Name (Within 255 bytes)

  Default: DB2

```
clpcfadm.py mod -t monitor/db2w@db2w1/agentparam/instance --set
↪<Instance Name>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/db2w@db2w1/agentparam/username --set <User␣
↪Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/db2w@db2w1/agentparam/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Monitor Table Name (Within 255 bytes)

  Default: db2watch

```
clpcfadm.py mod -t monitor/db2w@db2w1/agentparam/tablename --set
↪<Monitor Table Name>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/db2w@db2w1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/db2w@db2w1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[25]	16
Stop group[26]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/db2w@db2w1/emergency/preaction/account␣
↪--set <Exec User>
```

[25] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[26] Cannot be specified with "Recovery target type" set to "cls".

8.11.3 Deleting a DB2 monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon db2w db2w1
```

8.12 Dynamic DNS monitor resource

Note:

The command lines in this section use **ddnsw1** as the monitor resource name.
Change it to suit your environment.

8.12.1 Adding a dynamic DNS monitor resource

Be sure to set the following items. For details, see "*Setting dynamic DNS monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon ddnsw ddnsw1
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.12.2 Setting dynamic DNS monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

  Note: You can specify only a dynamic DNS resource for this monitor resource.

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Check Name Resolution

Check Name Resolution	Value
Check Name Resolution (default)	1
Do not check name resolution	0

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/parameters/dnscheck --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[27]	16
Stop group[28]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

[27] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[28] Cannot be specified with "Recovery target type" set to "cls".

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/preaction/
  ↪timeout --set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/ddnsw@ddnsw1/emergency/preaction/
  ↪account --set <Exec User>
  ```

8.12.3 Deleting a dynamic DNS monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon ddnsw ddnsw1
```

8.13 Disk RW monitor resource

Note:

The command lines in this section use **diskw1** as the monitor resource name.
Change it to suit your environment.

8.13.1 Adding a disk RW monitor resource

Be sure to set the following items. For details, see "*Setting disk RW monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon diskw diskw1
clpcfadm.py mod -t monitor/diskw@diskw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/diskw@diskw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/diskw@diskw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.13.2 Setting disk RW monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/diskw@diskw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/diskw@diskw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 300 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/diskw@diskw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/timeout/notrecovery/
↪use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 0 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/diskw@diskw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/diskw@diskw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always	0
Active (default)	1

```
clpcfadm.py mod -t monitor/diskw@diskw1/polling/timing --set <Value>
```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/diskw@diskw1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/diskw@diskw1/target --set <Target Resource␣
↪(monitored when active)>
```

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/diskw@diskw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/diskw@diskw1/perf/metrics/use --set <Value>
```

Monitor (special)

- File Name (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/diskw@diskw1/parameters/file --set <File␣
↪Name> --nocheck
```

- I/O size (bytes)

Default, 2000000 (minimum, 1; maximum, 99999999)

```
clpcfadm.py mod -t monitor/diskw@diskw1/parameters/size --set <Value>␣
↪--nocheck
```

- Action on Stall

Action on Stall	Value
No operation	0
Reset the hardware	1

Continued on next page

Table 8.150 – continued from previous page

Action on Stall	Value
Generate an intentional stop error (default)	2

```
clpcfadm.py mod -t monitor/diskw@diskw1/parameters/stallaction --set
↪<Value> --nocheck
```

- Action When Diskfull Is Detected

Action When Diskfull Is Detected	Value
Recover	0
Recover (default)	1

```
clpcfadm.py mod -t monitor/diskw@diskw1/parameters/diskfullerr --set
↪<Value> --nocheck
```

- Use Write Through Method

Use Write Through Method	Value
Use	0
Do not use (default)	1

```
clpcfadm.py mod -t monitor/diskw@diskw1/parameters/writecache --set
↪<Value> --nocheck
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/diskw@diskw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/diskw@diskw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[29]	16
Stop group[30]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/preaction/
↪default --set <Value>
```

[29] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[30] Cannot be specified with "Recovery target type" set to "cls".

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/diskw@diskw1/emergency/preaction/
↪account --set <Exec User>
```

8.13.3 Deleting a disk RW monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon diskw diskw1
```

8.14 Floating IP monitor resource

Note:

The command lines in this section use **fipw1** as the monitor resource name.
Change it to suit your environment.

8.14.1 Adding a floating IP monitor resource

Be sure to set the following items. For details, see "*Setting floating IP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon fipw fipw1
clpcfadm.py mod -t monitor/fipw@fipw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/fipw@fipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/fipw@fipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.14.2 Setting floating IP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/fipw@fipw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/fipw@fipw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/fipw@fipw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/timeout/notrecovery/
↪use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/fipw@fipw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/fipw@fipw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/fipw@fipw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

Note: You can specify only a Virtual IP resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/fipw@fipw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/fipw@fipw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Monitor NIC Link Up/Down

Monitor NIC Link Up/Down	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/fipw@fipw1/parameters/monmii --set <Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/fipw@fipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/fipw@fipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change

it to "No operation (1)".

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[31]	16
Stop group[32]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/preaction/default␣
↪--set <Value>
```

[31] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[32] Cannot be specified with "Recovery target type" set to "cls".

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/fipw@fipw1/emergency/preaction/account␣
↪--set <Exec User>
```

8.14.3 Deleting a floating IP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon fipw fipw1
```

8.15 FTP monitor resource

Note:

The command lines in this section use **ftpw1** as the monitor resource name.
Change it to suit your environment.

8.15.1 Adding an FTP monitor resource

Be sure to set the following items. For details, see "*Setting FTP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon ftpw ftpw1
clpcfadm.py mod -t monitor/ftpw@ftpw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/ftpw@ftpw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/ftpw@ftpw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.15.2 Setting FTP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 3 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/ftpw@ftpw1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/perf/metrics/use --set <Value>
```

Monitor (special)

- IP Address

  Default: 127.0.0.1

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/agentparam/ipaddress --set <IP␣
↪Address>
```

- Port Number

  Default, 21 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/agentparam/port --set <Value>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/agentparam/username --set <User␣
↪Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/agentparam/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Protocol

Protocol	Value
FTP (default)	0
FTPS	1

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/agentparam/protocol --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/ftpw@ftpw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[33]	16
Stop group[34]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/ftpw@ftpw1/emergency/preaction/account␣
↪--set <Exec User>
```

[33] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[34] Cannot be specified with "Recovery target type" set to "cls".

8.15.3 Deleting an FTP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon ftpw ftpw1
```

8.16 Google Cloud DNS monitor resource

Note:

The command lines in this section use **gcdnsw1** as the monitor resource name.
Change it to suit your environment.

8.16.1 Adding a Google Cloud DNS monitor resource

Be sure to set the following items. For details, see "*Setting Google Cloud DNS monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon gcdnsw gcdnsw1
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.16.2 Setting Google Cloud DNS monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 3 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only a Google Cloud DNS resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/perf/metrics/use --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/mode --set <Value>
```

- Maximum Failover Count

Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[35]	16
Stop group[36]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

[35] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[36] Cannot be specified with "Recovery target type" set to "cls".

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/preaction/
  ↪timeout --set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/gcdnsw@gcdnsw1/emergency/preaction/
  ↪account --set <Exec User>
  ```

8.16.3 Deleting a Google Cloud DNS monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon gcdnsw gcdnsw1
```

8.17 Google Cloud load balance monitor resource

Note:

The command lines in this section use **gclbw1** as the monitor resource name.
Change it to suit your environment.

8.17.1 Adding a Google Cloud load balance monitor resource

Be sure to set the following items. For details, see "*Setting Google Cloud load balance monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource
Recovery target
Recovery target type

```
clpcfadm.py add mon gclbw gclbw1
clpcfadm.py mod -t monitor/gclbw@gclbw1/parameters/object --set <Target␣
↪Resource>
clpcfadm.py mod -t monitor/gclbw@gclbw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/gclbw@gclbw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.17.2 Setting Google Cloud load balance monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/gclbw@gclbw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gclbw@gclbw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gclbw@gclbw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/timeout/notrecovery/
↪use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gclbw@gclbw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/gclbw@gclbw1/firstmonwait --set <Value>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/gclbw@gclbw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

  With only one server to be monitored, specify 0 for ID.
  With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Target Resource

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/parameters/object --set
↪<Target Resource>
```

Note: You can specify only a Google Cloud Virtual IP resource.

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/gclbw@gclbw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/mode --set <Value>
```

- Maximum Failover Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[37]	16
Stop group[38]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

[37] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[38] Cannot be specified with "Recovery target type" set to "cls".

```
clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/preaction/
  ↪timeout --set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/gclbw@gclbw1/emergency/preaction/
  ↪account --set <Exec User>
  ```

8.17.3 Deleting a Google Cloud load balance monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon gclbw gclbw1
```

8.18 Google Cloud Virtual IP monitor resource

Note:

The command lines in this section use **gcvipw1** as the monitor resource name.
Change it to suit your environment.

8.18.1 Adding a Google Cloud Virtual IP monitor resource

Be sure to set the following items. For details, see "*Setting Google Cloud Virtual IP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon gcvipw gcvipw1
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.18.2 Setting Google Cloud Virtual IP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/gcvipw@gcvipw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gcvipw@gcvipw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gcvipw@gcvipw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/gcvipw@gcvipw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/gcvipw@gcvipw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/gcvipw@gcvipw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only a Google Cloud Virtual IP resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Health Check Timeout Operation

Health Check Timeout Operation	Value
Disable recovery action(Do nothing) (default)	0
Disable recovery action(Display warning)	1
Recover	2

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/parameters/mode --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/threshold/
```

```
↪restart --set 0
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[39]	16
Stop group[40]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

[39] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[40] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/gcvipw@gcvipw1/emergency/preaction/
↪account --set <Exec User>
```

8.18.3 Deleting a Google Cloud Virtual IP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon gcvipw gcvipw1
```

8.19 Custom monitor resource

Note:

The command lines in this section use **genw1** as the monitor resource name.
Change it to suit your environment.

8.19.1 Adding a custom monitor resource

Be sure to set the following items. For details, see "*Setting custom monitor resource parameters*".

Item (mandatory)
Monitor resource name
Recovery target
Recovery target type

```
clpcfadm.py add mon genw genw1
clpcfadm.py mod -t monitor/genw@genw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/genw@genw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.19.2 Setting custom monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/genw@genw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/genw@genw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/genw@genw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/genw@genw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/genw@genw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/genw@genw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 3 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/genw@genw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always (default)	0
Active	1

  ```
  clpcfadm.py mod -t monitor/genw@genw1/polling/timing --set <Value>
  ```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/genw@genw1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/genw@genw1/target --set <Target Resource␣
↪(monitored when active)>
```

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/genw@genw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/genw@genw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Script file type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/default --set <Value>
```

Note: If you change the value of this parameter, also change that of "Script file".

- Script file (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/path --set <Script␣
↪file> --nocheck
```

Note: If you specify "Script created with this product", specify **genw.bat**.

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/path --set genw.bat␣
↪--nocheck
```

- Monitor Type

Monitor Type	Value
Synchronous (default)	1
Asynchronous	0

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/sync --set <Value>
```

- Normal Return Value

  Default: 0

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/normalval --set
↪<Value>
```

- Warning Return Value

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/warningval --set
↪<Value>
```

- Kill the application when exit

Kill the application when exit	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/termination --set
↪<Value>
```

- Wait for activation monitoring to stop before stopping the cluster

Wait for activation monitoring to stop before stopping the cluster	Value
Wait for the stop	1
Do not wait for the stop (default)	0

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/waitstop --set
↪<Value>
```

  - Exec User

```
clpcfadm.py mod -t monitor/genw@genw1/parameters/account --set
↪<Exec User>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/genw@genw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/genw@genw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/genw@genw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[41]	16
Stop group[42]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/genw@genw1/emergency/preaction/account␣
↪--set <Exec User>
```

[41] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[42] Cannot be specified with "Recovery target type" set to "cls".

8.19.3 Deleting a custom monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon genw genw1
```

8.20 Hybrid disk TUR monitor resource

Note:

The command lines in this section use **hdtw1** as the monitor resource name.
Change it to suit your environment.

8.20.1 Adding a hybrid disk TUR monitor resource

Be sure to set the following items. For details, see "*Setting hybrid disk TUR monitor resource parameters*".

Item (mandatory)
Monitor resource name
Hybrid disk resource
Recovery target (hybrid disk resource name)
Recovery target type (rsc)

```
clpcfadm.py add mon hdtw hdtw1
clpcfadm.py mod -t monitor/hdtw@hdtw1/parameters/object --set <Hybrid␣
↪disk resource>
clpcfadm.py mod -t monitor/hdtw@hdtw1/relation/name --set <Hybrid disk␣
↪resource name> --nocheck
clpcfadm.py mod -t monitor/hdtw@hdtw1/relation/type --set rsc --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.20.2 Setting hybrid disk TUR monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/hdtw@hdtw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/hdtw@hdtw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 300 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/hdtw@hdtw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/timeout/notrecovery/
↪use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/hdtw@hdtw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/hdtw@hdtw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always (default)	0
Active	1

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/polling/timing --set <Value>
```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/target --set <Target Resource␣
↪(monitored when active)>
```

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Hybrid Disk Resource

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/parameters/object --set <Hybrid␣
↪Disk Resource>
```

Note: You can specify only a hybrid disk resource.

Recovery Action

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/hdtw@hdtw1/emergency/preaction/account␣
↪--set <Exec User>
```

8.20.3 Deleting a hybrid disk TUR monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon hdtw hdtw1
```

8.21 Hybrid disk monitor resource

Note:

The command lines in this section use **hdw1** as the monitor resource name.
Change it to suit your environment.

8.21.1 Adding a hybrid disk monitor resource

Be sure to set the following items. For details, see "*Setting hybrid disk monitor resource parameters*".

Item (mandatory)
Monitor resource name
Hybrid disk resource
Recovery target (hybrid disk resource name)
Recovery target type (rsc)

```
clpcfadm.py add mon hdw hdw1
clpcfadm.py mod -t monitor/hdw@hdw1/parameters/object --set <Hybrid disk␣
↪resource>
clpcfadm.py mod -t monitor/hdw@hdw1/relation/name --set <Hybrid disk␣
↪resource name> --nocheck
clpcfadm.py mod -t monitor/hdw@hdw1/relation/type --set rsc --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.21.2 Setting hybrid disk monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 999 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/emergency/timeout/notrecovery/use␣
  ↪--set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 10 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/firstmonwait --set <Value>
  ```

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/perf/metrics/use --set <Value>
  ```

Monitor (special)

- Hybrid Disk Resource

```
clpcfadm.py mod -t monitor/hdw@hdw1/parameters/object --set <Hybrid␣
↪Disk Resource>
```

Note: You can specify only a hybrid disk resource.

Recovery Action

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/hdw@hdw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/hdw@hdw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/hdw@hdw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/hdw@hdw1/emergency/preaction/path --set
↪<File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/hdw@hdw1/emergency/preaction/path --set␣
↪preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/emergency/preaction/timeout␣
  ↪--set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/hdw@hdw1/emergency/preaction/account␣
  ↪--set <Exec User>
  ```

8.21.3 Deleting a hybrid disk monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon hdw hdw1
```

8.22 HTTP monitor resource

Note:

The command lines in this section use **httpw1** as the monitor resource name.
Change it to suit your environment.

8.22.1 Adding an HTTP monitor resource

Be sure to set the following items. For details, see "*Setting HTTP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon httpw httpw1
clpcfadm.py mod -t monitor/httpw@httpw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/httpw@httpw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/httpw@httpw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.22.2 Setting HTTP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 3 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/httpw@httpw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/httpw@httpw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Connecting Destination (Within 255 bytes)

  Default: 127.0.0.1

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/ipaddress --set
↪<Connecting Destination>
```

- Port Number

  Default, 80 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/port --set <Value>
```

- Monitor URI (Within 255 bytes)

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/uri --set <Request␣
↪URI>
```

- Protocol

Protocol	Value
HTTP (default)	0
HTTPS	1

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/https --set <Value>
```

Note: If necessary, also change the setting for "Port Number".

- Request Type

Request Type	Value
HEAD (default)	0
GET	1

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/requesttype --set
↪<Value>
```

- Authentication Method

Authentication Method	Value
No authentication (default)	0
Basic authentication	1
Digest authentication	2

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/authmethod --set
↪<Value>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/username --set
↪<User Name>
```

Note: Set as above with "Authentication Method" set to "Basic authentication" or "Digest authentication".

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/password --set
↪<Encrypted password>
```

Note: Set as above with "Authentication Method" set to "Basic authentication" or "Digest authentication".

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Client Authentication

Client Authentication	Value
Set	1
Do not set (default)	0

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/clientauth --set
↪<Value>
```

Note: You can set this parameter with "Protocol" set to "HTTPS".

- Client Certificate Subject Name (Within 64 bytes)

```
clpcfadm.py mod -t monitor/httpw@httpw1/agentparam/clientcertsubject␣
↪--set <Client Certificate>
```

Note: Set as above with "Client Authentication" set to "Set".

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/httpw@httpw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/httpw@httpw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[43]	16
Stop group[44]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/httpw@httpw1/emergency/preaction/
↪account --set <Exec User>
```

[43] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[44] Cannot be specified with "Recovery target type" set to "cls".

8.22.3 Deleting an HTTP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon httpw httpw1
```

8.23 IMAP4 monitor resource

Note:

The command lines in this section use **imap4w1** as the monitor resource name.
Change it to suit your environment.

8.23.1 Adding an IMAP4 monitor resource

Be sure to set the following items. For details, see "*Setting IMAP4 monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon imap4w imap4w1
clpcfadm.py mod -t monitor/imap4w@imap4w1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/imap4w@imap4w1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/imap4w@imap4w1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.23.2 Setting IMAP4 monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 3 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/imap4w@imap4w1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- IP Address

  Default: 127.0.0.1

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/agentparam/ipaddress --set
↪<IP Address>
```

- Port Number

  Default, 143 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/agentparam/port --set
↪<Value>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/agentparam/username --set
↪<User Name>
```

- Password (Within 189 bytes)

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/agentparam/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Authentication Method

Authentication Method	Value
AUTHENTICATE LOGIN (default)	0
LOGIN	1

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/agentparam/certificate␣
↪--set <Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/imap4w@imap4w1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[45]	16
Stop group[46]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/action --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/imap4w@imap4w1/emergency/preaction/
↪account --set <Exec User>
```

[45] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[46] Cannot be specified with "Recovery target type" set to "cls".

8.23.3 Deleting an IMAP4 monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon imap4w imap4w1
```

8.24 IP monitor resource

Note:

The command lines in this section use **ipw1** as the monitor resource name.
Change it to suit your environment.

8.24.1 Adding an IP monitor resource

Be sure to set the following items. For details, see "*Setting IP monitor resource parameters*".

Item (mandatory)
Monitor resource name
IP Address
Recovery target
Recovery target type

```
clpcfadm.py add mon ipw ipw1
clpcfadm.py mod -t monitor/ipw@ipw1/parameters/list@<ID>/ip --set <IP␣
↪Address> --nocheck
clpcfadm.py mod -t monitor/ipw@ipw1/relation/name --set <Recovery target>␣
↪--nocheck
clpcfadm.py mod -t monitor/ipw@ipw1/relation/type --set <Recovery target␣
↪type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.24.2 Setting IP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/ipw@ipw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ipw@ipw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ipw@ipw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/ipw@ipw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/ipw@ipw1/emergency/timeout/notrecovery/use␣
  ↪--set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ipw@ipw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/ipw@ipw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always (default)	0
Active	1

  ```
  clpcfadm.py mod -t monitor/ipw@ipw1/polling/timing --set <Value>
  ```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/ipw@ipw1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/ipw@ipw1/target --set <Target Resource␣
↪(monitored when active)>
```

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/ipw@ipw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/ipw@ipw1/perf/metrics/use --set <Value>
```

Monitor (special)

- IP Address

Add

```
clpcfadm.py mod -t monitor/ipw@ipw1/parameters/list@<ID>/ip --set
↪<IP Address> --nocheck
```

Note:

With only one IP address to be monitored, specify 0 for ID.
With more than one IP address to be monitored, specify consecutive numbers (e.g., 0, 1, 2...). (Maximum: 7)

Delete

```
clpcfadm.py mod -t monitor/ipw@ipw1/parameters/list@<ID> --delete
```

- Ping Timeout (msec)

Default, 5000 (minimum, 1; maximum, 999999)

```
clpcfadm.py mod -t monitor/ipw@ipw1/parameters/pingtimeout --set
↪<Value> --nocheck
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/ipw@ipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/ipw@ipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/threshold/fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/threshold/script --set
↪<Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/threshold/restart --set
↪<Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[47]	16
Stop group[48]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/preaction/path --set
↪<File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/preaction/path --set␣
↪preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/ipw@ipw1/emergency/preaction/account␣
↪--set <Exec User>
```

[47] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[48] Cannot be specified with "Recovery target type" set to "cls".

8.24.3 Deleting an IP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon ipw ipw1
```

8.25 JVM monitor resource

Note:

The command lines in this section use **jraw1** as the monitor resource name.
Change it to suit your environment.

8.25.1 Adding a JVM monitor resource

Note: Please set Java installation path in JVM monitor on the cluster property before creating a JVM monitor resource.

Be sure to set the following items. For details, see "*Setting JVM monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
JVM Type
Identifier
Connection Port
Target
Recovery target
Recovery target type
Number of JVM monitor resources

```
clpcfadm.py add mon jraw jraw1
clpcfadm.py mod -t monitor/jraw@jraw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvmtype --set <JVM Type>
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/name --set
↪<Identifier>
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/port --set
↪<Connection Port>
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/servertype --set
↪<Target>
clpcfadm.py mod -t monitor/jraw@jraw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/jraw@jraw1/relation/type --set <Recovery␣
↪target type> --nocheck
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/targetnum --set <Number␣
↪of JVM monitor resources>
```

Note:

With only one JVM monitor, specify 0 for Number of JVM monitor resources.
With more than one JVM monitor, specify consecutive numbers (e.g., 0, 1, 2...). (Maximum: 24)

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.25.2 Setting JVM monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/polling/timeout --set <Value>
  ```

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always	0
Active (default)	1

```
clpcfadm.py mod -t monitor/jraw@jraw1/polling/timing --set <Value>
```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/jraw@jraw1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/jraw@jraw1/target --set <Target Resource␣
↪(monitored when active)>
```

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/jraw@jraw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Target

Target	Value(targettypeidx)	Value(servertype)
WebLogic Server (default)	0	weblogic
WebOTX Domain Agent	1	webotx
WebOTX Process Group	2	sun
Tomcat	3	sun
WebOTX ESB	4	sun
WebSAM SVF	5	sun
Java Application	6	sun

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/targettypeidx --set
↪<Value(targettypeidx)>
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/servertype --set
↪<Value(servertype)>
```

- JVM Type

Value
Oracle Java (default)
Oracle Java(usage monitoring)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvmtype --set <Value>
```

Note: Enclose in double quotes a string including spaces (e.g., "Oracle Java").

- Identifier (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/name --set
↪<Identifier>
```

- Connection Port

  Default, None (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/port --set
↪<Value>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/user/id --set
↪<User Name>
```

Note: Set as above with "Target" set to "WebOTX Domain Agent".

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/user/passwd␣
↪--set <Encrypted password>
```

Note: Set as above with "Target" set to "WebOTX Domain Agent".

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Command (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/jvm/action/down/
↪runcommand --set <Command>
```

Note: Enclose the path with double quotes (e.g., "cmd").

Tuning

Memory

If "JVM Type" is set to "Oracle Java":

- Monitor Heap Memory Rate

Monitor Heap Memory Rate	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪heapgroup/check --set <Value>
```

– Total Usage

Total Usage	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪heap/check --set <Value>
```

* Total Usage (%)
  Default, 80 (minimum, 1; maximum, 100)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪heap/threshold --set <Value>
  ```

– Eden Space

Eden Space	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪eden/check --set <Value>
```

* Eden Space(%)
  Default, 100 (minimum, 1; maximum, 100)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪eden/threshold --set <Value>
  ```

– Survivor Space

Survivor Space	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪survivor/check --set <Value>
```

* Survivor Space(%)
  Default, 100 (minimum, 1; maximum, 100)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪survivor/threshold --set <Value>
  ```

– Tenured Gen

Tenured Gen	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
```

```
↪tenured/check --set <Value>
```

* Tenured Gen(%)
  Default, 80 (minimum, 1; maximum, 100)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪tenured/threshold --set <Value>
  ```

– Command (Within 255 bytes)
```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪heapgroup/action/down/runcommand --set <Command>
```

Note: Enclose the path with double quotes.

- Monitor Non-Heap Memory Rate

Monitor Non-Heap Memory Rate	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪nonheapgroup/check --set <Value>
```

– Total Usage

Total Usage	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪nonheap/check --set <Value>
```

* Total Usage (%)
  Default, 80 (minimum, 1; maximum, 100)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪nonheap/threshold --set <Value>
  ```

– Code Cache

Code Cache	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪codecash/check --set <Value>
```

* Code Cache(%)
  Default, 100 (minimum, 1; maximum, 100)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪codecash/threshold --set <Value>
  ```

– Perm Gen

Perm Gen	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪perm/check --set <Value>
```

* Perm Gen(%)
  Default, 80 (minimum, 1; maximum, 100)
  `clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/perm/threshold --set <Value>`

– Perm Gen[shared-ro]

Perm Gen[shared-ro]	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/perm/ro/check --set <Value>
```

* Perm Gen[shared-ro](%)
  Default, 80 (minimum, 1; maximum, 100)
  `clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/perm/ro/threshold --set <Value>`

– Perm Gen[shared-rw]

Perm Gen[shared-rw]	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/perm/rw/check --set <Value>
```

* Perm Gen[shared-rw](%)
  Default, 80 (minimum, 1; maximum, 100)
  `clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/perm/rw/threshold --set <Value>`

– Command (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/nonheapgroup/action/down/runcommand --set <Command>
```

Note: Enclose the path with double quotes.

If "JVM Type" is set to "Oracle Java (usage monitoring)":

- Monitor Heap Memory Rate

Monitor Heap Memory Rate	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/heapgroup/maxcheck --set <Value>
```

– Total Usage

Total Usage	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/heap/check --set <Value>
```

* Total Usage (MB)
  Default, 0 (minimum, 0; maximum, 102400)
  `clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/heap/maxsize --set <Value>`

– Eden Space

Eden Space	Value
Monitor	1
Do not monitor (default)	0

`clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/eden/check --set <Value>`

* Eden Space(MB)
  Default, 0 (minimum, 0; maximum, 102400)
  `clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/eden/maxsize --set <Value>`

– Survivor Space

Survivor Space	Value
Monitor	1
Do not monitor (default)	0

`clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/survivor/check --set <Value>`

* Survivor Space(MB)
  Default, 0 (minimum, 0; maximum, 102400)
  `clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/survivor/maxsize --set <Value>`

– Tenured Gen(Old Gen)

Tenured Gen(Old Gen)	Value
Monitor (default)	1
Do not monitor	0

`clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/tenured/check --set <Value>`

* Tenured Gen(Old Gen)(MB)
  Default, 0 (minimum, 0; maximum, 102400)
  `clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/tenured/maxsize --set <Value>`

– Command (Within 255 bytes)
`clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/heapgroup/action/down/runcommand --set <Command>`

Note: Enclose the path with double quotes.

- Monitor Non-Heap Memory Rate

Monitor Non-Heap Memory Rate	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪nonheapgroup/maxcheck --set <Value>
```

– Total Usage

Total Usage	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪nonheap/check --set <Value>
```

* Total Usage (MB)
  Default, 0 (minimum, 0; maximum, 102400)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪nonheap/maxsize --set <Value>
  ```

– Code Cache

Code Cache	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪codecash/check --set <Value>
```

* Code Cache(MB)
  Default, 0 (minimum, 0; maximum, 102400)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪codecash/maxsize --set <Value>
  ```

– CodeHeap non-nmethods

CodeHeap non-nmethods	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪nonnmethods/check --set <Value>
```

* CodeHeap non-nmethods(MB)
  Default, 0 (minimum, 0; maximum, 102400)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪nonnmethods/maxsize --set <Value>
  ```

  Note: Set as above with "Code Cache" set to "Do not monitor".

– CodeHeap profiled

CodeHeap profiled	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪profilednmethods/check --set <Value>
```

* CodeHeap profiled(MB)
  Default, 0 (minimum, 0; maximum, 102400)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪profilednmethods/maxsize --set <Value>
```

Note: Set as above with "Code Cache" set to "Do not monitor".

– CodeHeap non-profiled

CodeHeap non-profiled	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪nonprofilednmethods/check --set <Value>
```

* CodeHeap non-profiled(MB)
  Default, 0 (minimum, 0; maximum, 102400)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪nonprofilednmethods/maxsize --set <Value>
  ```

  Note: Set as above with "Code Cache" set to "Do not monitor".

– Compressed Class Space

Compressed Class Space	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪ccs/check --set <Value>
```

* Compressed Class Space(MB)
  Default, 0 (minimum, 0; maximum, 102400)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪ccs/maxsize --set <Value>
  ```

– Metaspace

Metaspace	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪metaspace/check --set <Value>
```

* Metaspace(MB)
  Default, 0 (minimum, 0; maximum, 102400)
  ```
  clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
  ↪metaspace/maxsize --set <Value>
  ```

– Command (Within 255 bytes)
```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/memory/
↪nonheapgroup/action/down/runcommand --set <Command>
```

Note: Enclose the path with double quotes.

Thread

- Monitor the number of Active Threads

Monitor the number of Active Threads	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/thread/count/
↪check --set <Value>
```

  - (Thread)

    Default, 65535 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/thread/
↪count/threshold --set <Value>
```

Note: Set as above with "Monitor the number of Active Threads" set to "Monitor".

- Command (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/thread/action/
↪down/runcommand --set <Command>
```

Note: Enclose the path with double quotes.

GC

- Monitor the time in Full GC

Monitor the time in Full GC	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/gc/time/check␣
↪--set <Value>
```

  - (msec)

    Default, 65535 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/gc/time/
↪threshold --set <Value>
```

- Monitor the count of Full GC execution

Monitor the count of Full GC execution	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/gc/cont/check␣
↪--set <Value>
```

– (count)

Default, 1 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/gc/cont/
↪threshold --set <Value>
```

- Command (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/gc/action/down/
↪runcommand --set <Command>
```

Note: Enclose the path with double quotes.

WebLogic

Note: To set the following items, set "Target" to "WebLogic Server" in advance.

- Monitor the requests in Work Manager

Monitor the requests in Work Manager	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/wm/check␣
↪--set <Value>
```

- Target Work Managers (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/work/
↪manager --set <Target Work Managers>
```

Note: Set as above with "Monitor the requests in Work Manager" set to "Monitor".

Waiting Requests

Note: To set the following items, set "Monitor the requests in Work Manager" to "Monitor" in advance.

- The number

The number	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/wm/
↪pending/requests/chkthreshold --set <Value>
```

– The number
Default, 65535 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/wm/
↪pending/requests/threshold --set <Value>
```

- Average

Average	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/wm/
↪pending/requests/avg/chkthreshold --set <Value>
```

  - Average
    Default, 65535 (minimum, 1; maximum, 65535)
    ```
    clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/wm/
    ↪pending/requests/avg/threshold --set <Value>
    ```

- Increment from the last

Increment from the last	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/wm/
↪pending/requests/chkincrement --set <Value>
```

  - Increment from the last (%)
    Default, 80 (minimum, 1; maximum, 100)
    ```
    clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/wm/
    ↪pending/requests/increment --set <Value>
    ```

- Monitor the requests in Thread Pool

Monitor the requests in Thread Pool	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/check␣
↪--set <Value>
```

Waiting Requests

Note: To set the following items, set "Monitor the requests in Thread Pool" to "Monitor" in advance.

- The number

The number	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
↪pending/requests/chkthreshold --set <Value>
```

  - The number
    Default, 65535 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
↪pending/requests/threshold --set <Value>
```

- Average

Average	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
↪pending/requests/avg/chkthreshold --set <Value>
```

  - Average
    Default, 65535 (minimum, 1; maximum, 65535)
    ```
    clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
    ↪pending/requests/avg/threshold --set <Value>
    ```

- Increment from the last

Increment from the last	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
↪pending/requests/chkincrement --set <Value>
```

  - Increment from the last (%)
    Default, 80 (minimum, 1; maximum, 100)
    ```
    clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
    ↪pending/requests/increment --set <Value>
    ```

Executing Requests

Note: To set the following items, set "Monitor the requests in Thread Pool" to "Monitor" in advance.

- The number

The number	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
↪throughput/chkthreshold --set <Value>
```

  - The number
    Default, 65535 (minimum, 1; maximum, 65535)
    ```
    clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
    ↪throughput/threshold --set <Value>
    ```

- Average

Average	Value
Enable	1
Do not enable (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
```

```
↪throughput/avg/chkthreshold --set <Value>
```

– Average
  Default, 65535 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
↪throughput/avg/threshold --set <Value>
```

- Increment from the last

Increment from the last	Value
Enable (default)	1
Do not enable	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
↪throughput/chkincrement --set <Value>
```

– Increment from the last (%)
  Default, 80 (minimum, 1; maximum, 100)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/tp/
↪throughput/increment --set <Value>
```

- Command (Within 255 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/parameters/wl/action/down/
↪runcommand --set <Command>
```

Note: Enclose the path with double quotes.

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/jraw@jraw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/jraw@jraw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[49]	16
Stop group[50]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/preaction/default␣
↪--set <Value>
```

[49] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[50] Cannot be specified with "Recovery target type" set to "cls".

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/jraw@jraw1/emergency/preaction/account␣
↪--set <Exec User>
```

8.25.3 Deleting a JVM monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon jraw jraw1
```

8.26 Mirror disk monitor resource

Note:

The command lines in this section use **mdw1** as the monitor resource name.
Change it to suit your environment.

8.26.1 Adding a mirror disk monitor resource

Be sure to set the following items. For details, see "*Setting mirror disk monitor resource parameters*".

Item (mandatory)
Monitor resource name
Mirror Disk Resource
Recovery target (Mirror Disk Resource name)
Recovery target type (rsc)

```
clpcfadm.py add mon mdw mdw1
clpcfadm.py mod -t monitor/mdw@mdw1/parameters/object --set <Mirror Disk␣
↪Resource>
clpcfadm.py mod -t monitor/mdw@mdw1/relation/name --set <Mirror Disk␣
↪Resource name> --nocheck
clpcfadm.py mod -t monitor/mdw@mdw1/relation/type --set rsc --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.26.2 Setting mirror disk monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/mdw@mdw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/mdw@mdw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 999 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/mdw@mdw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/mdw@mdw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/mdw@mdw1/emergency/timeout/notrecovery/use␣
↪--set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/mdw@mdw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 10 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/mdw@mdw1/firstmonwait --set <Value>
  ```

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/mdw@mdw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Mirror Disk Resource

```
clpcfadm.py mod -t monitor/mdw@mdw1/parameters/object --set <Mirror␣
↪Disk Resource>
```

Note: You can specify only a mirror disk resource.

Recovery Action

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/mdw@mdw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/mdw@mdw1/emergency/preaction/use --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/mdw@mdw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/mdw@mdw1/emergency/preaction/path --set
↪<File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/mdw@mdw1/emergency/preaction/path --set␣
↪preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/mdw@mdw1/emergency/preaction/timeout␣
  ↪--set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/mdw@mdw1/emergency/preaction/account␣
  ↪--set <Exec User>
  ```

8.26.3 Deleting a mirror disk monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon mdw mdw1
```

8.27 NIC Link Up/Down monitor resource

Note:

The command lines in this section use **miiw1** as the monitor resource name.
Change it to suit your environment.

8.27.1 Adding an NIC Link Up/Down monitor resource

Be sure to set the following items. For details, see "*Setting NIC Link Up/Down monitor resource parameters*".

Item (mandatory)
Monitor resource name
IP Address
Recovery target
Recovery target type

```
clpcfadm.py add mon miiw miiw1
clpcfadm.py mod -t monitor/miiw@miiw1/server@<Server name>/parameters/
↪object --set <IP Address> --nocheck
clpcfadm.py mod -t monitor/miiw@miiw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/miiw@miiw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.27.2 Setting NIC Link Up/Down monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/miiw@miiw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/miiw@miiw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/miiw@miiw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/timeout/notrecovery/
↪use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/miiw@miiw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/miiw@miiw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always (default)	0
Active	1

```
clpcfadm.py mod -t monitor/miiw@miiw1/polling/timing --set <Value>
```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/miiw@miiw1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/miiw@miiw1/target --set <Target Resource␣
↪(monitored when active)>
```

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/miiw@miiw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/miiw@miiw1/perf/metrics/use --set <Value>
```

Monitor (special)

Set Up Individually

Set the following for each server.

- IP Address

```
clpcfadm.py mod -t monitor/miiw@miiw1/server@<Server name>/
↪parameters/object --set <IP Address> --nocheck
```

Note: If you delete a server, set as follows:
`clpcfadm.py mod -t monitor/miiw@miiw1/server@<Server name> --delete`

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/miiw@miiw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/miiw@miiw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[51]	16
Stop group[52]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/miiw@miiw1/emergency/preaction/account␣
↪--set <Exec User>
```

[51] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[52] Cannot be specified with "Recovery target type" set to "cls".

8.27.3 Deleting an NIC Link Up/Down monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon miiw miiw1
```

8.28 Message receive monitor resource

Note:

The command lines in this section use **mrw1** as the monitor resource name.
Change it to suit your environment.

8.28.1 Adding a message receive monitor resource

Be sure to set the following items. For details, see "*Setting message receive monitor resource parameters*".

Item (mandatory)
Monitor resource name
Category
Recovery target
Recovery target type

```
clpcfadm.py add mon mrw mrw1
clpcfadm.py mod -t monitor/mrw@mrw1/parameters/object --set <Category>
clpcfadm.py mod -t monitor/mrw@mrw1/relation/name --set <Recovery target>␣
↪--nocheck
clpcfadm.py mod -t monitor/mrw@mrw1/relation/type --set <Recovery target␣
↪type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.28.2 Setting message receive monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/mrw@mrw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 10 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/mrw@mrw1/polling/interval --set <Value>
  ```

- Retry Count

  Default, 0 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/mrw@mrw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/mrw@mrw1/firstmonwait --set <Value>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/mrw@mrw1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

  With only one server to be monitored, specify 0 for ID.
  With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

Monitor (special)

Common

- Category (Within 32 bytes)

  ```
  clpcfadm.py mod -t monitor/mrw@mrw1/parameters/object --set
  ↪<Category>
  ```

- Keyword (Within 1023 bytes)

  ```
  clpcfadm.py mod -t monitor/mrw@mrw1/parameters/target --set
  ↪<Keyword> --nocheck
  ```

Set Up Individually

Set the following for each server.

- Keyword (Within 1023 bytes)

  ```
  clpcfadm.py mod -t monitor/mrw@mrw1/server@<Server name>/
  ↪parameters/target --set <Keyword> --nocheck
  ```

Note: To return to the common settings, set the following for each server.

```
clpcfadm.py mod -t monitor/mrw@mrw1/server@<Server name> --delete
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/mrw@mrw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/mrw@mrw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/action --set 1
```

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/mode --set <Value>
```

- Execute Failover to outside the Server Group

Execute Failover to outside the Server Group	Value
Execute Failover to outside the Server Group	1
No (default)	0

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/site --set <Value>
```

- Final Action

Final Action	Value
No operation (default)	1
Stop resource	16
Stop group	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/action --set <Value>
```

- Execute Script before Recovery Action

Execute Script before Recovery Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/preaction/use --set
↪<Value>
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/preaction/userestart␣
↪--set <Value>
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/preaction/path --set
↪<File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/preaction/path --set␣
↪preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/mrw@mrw1/emergency/preaction/account␣
↪--set <Exec User>
```

8.28.3 Deleting a message receive monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon mrw mrw1
```

8.29 Multi target monitor resource

Note:

The command lines in this section use **mtw1** as the monitor resource name.
Change it to suit your environment.

8.29.1 Adding a multi-target monitor resource

Be sure to set the following items. For details, see "*Setting multi target monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target monitor resource name
Target monitor resource type
Recovery target
Recovery target type

```
clpcfadm.py add mon mtw mtw1
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/list@<ID>/member --set
↪<Target monitor resource name> --nocheck
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/list@<ID>/type --set
↪<Target monitor resource type> --nocheck
clpcfadm.py mod -t monitor/mtw@mtw1/relation/name --set <Recovery target>␣
↪--nocheck
clpcfadm.py mod -t monitor/mtw@mtw1/relation/type --set <Recovery target␣
↪type> --nocheck
clpcfadm.py mod -t monitor/<Monitor resource type>@<Monitor resource name>
↪/multi --set 1 --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.29.2 Setting multi target monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/polling/timeout --set <Value>
  ```

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always (default)	0
Active	1

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/polling/timing --set <Value>
  ```

  Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

  Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/target --set ""
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

  Note: Set as above with "Monitoring Timing" set to "Active".

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/perf/metrics/use --set <Value>
  ```

Monitor (special)

- Monitor Resource

Add

```
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/list@<ID>/member␣
↪--set <Monitor resource name> --nocheck
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/list@<ID>/type␣
↪--set <Monitor resource type> --nocheck
clpcfadm.py mod -t monitor/<Monitor resource type>@<Monitor␣
↪resource name>/multi --set 1 --nocheck
```

Note:

With only one monitor resource to be added, specify 0 for ID.
With more than one monitor resource to be added, specify consecutive numbers (e.g., 0, 1, 2...).

Note: Set "Monitor resource type" to any of the following values:

Monitor resource type	Value
Application monitor resource	appliw
AWS AZ monitor resource	awsazw
AWS DNS monitor resource	awsdnsw
AWS Elastic IP monitor resource	awseipw
AWS Secondary IP monitor resource	awssipw
AWS Virtual IP monitor resource	awsvipw
Azure DNS monitor resource	azurednsw
Azure load balance monitor resource	azurelbw
Azure probe port monitor resource	azureppw
CIFS monitor resource	cifsw
DB2 monitor resource	db2w
Disk RW monitor resource	diskw
Floating IP monitor resource	fipw
FTP monitor resource	ftpw
Google Cloud DNS monitor resource	gcdnsw
Google Cloud load balance monitor resource	gclbw
Google Cloud Virtual IP monitor resource	gcvipw
Custom monitor resource	genw
HTTP monitor resource	httpw
IMAP4 monitor resource	imap4w
IP monitor resource	ipw
JVM monitor resource	jraw
NIC Link Up/Down monitor resource	miiw
Message receive monitor resource	mrw
Oracle Cloud DNS monitor resource	ocdnsw
Oracle Cloud load balance monitor resource	oclbw
Oracle Cloud Virtual IP monitor resource	ocvipw
ODBC monitor resource	odbcw
Oracle monitor resource	oraclew
WebOTX monitor resource	otxw
POP3 monitor resource	pop3w

Continued on next page

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Monitor resource type	Value
PostgreSQL monitor resource	psqlw
Process resource monitor resource	psrw
Process name monitor resource	psw
Disk TUR monitor resource	sdw
Service monitor resource	servicew
SMTP monitor resource	smtpw
SQL Server monitor resource	sqlserverw
System monitor resource	sraw
Tuxedo monitor resource	tuxw
Virtual IP monitor resource	vipw
WebSphere monitor resource	wasw
WebLogic monitor resource	wlsw

Delete

```
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/list@<ID> --delete
clpcfadm.py mod -t monitor/<Monitor resource type>@<Monitor␣
↪resource name>/multi --set 0
```

Tuning

- Failure Threshold

Failure Threshold	Value
Same as Number of Members (default)	0
Specify Number	1

```
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/info/seterr --set
↪<Value>
```

  - Specify Number

    Default, 64 (minimum, 1; maximum, 64)

```
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/info/errnum␣
↪--set <Value>
```

- Warning Threshold (Specify Number)

  Default, None (minimum, 1; maximum, 63)

```
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/info/caunum --set
↪<Value>
```

Note: With "Failure Threshold" set to "Specify Number", set "Warning Threshold" to a value smaller than "Failure Threshold".

Note: To turn off "Warning Threshold", specify 0.

```
clpcfadm.py mod -t monitor/mtw@mtw1/parameters/info/caunum --set 0
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/mtw@mtw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/mtw@mtw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/threshold/fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/threshold/script --set
↪<Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/emergency/threshold/restart --set
  ↪<Value>
  ```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/mtw@mtw1/emergency/threshold/fo2 --set
  ↪<Value>
  ```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[53]	16
Stop group[54]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/preaction/path --set
↪<File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/preaction/path --set␣
↪preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/mtw@mtw1/emergency/preaction/account␣
↪--set <Exec User>
```

[53] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[54] Cannot be specified with "Recovery target type" set to "cls".

8.29.3 Deleting a multi target monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon mtw mtw1
clpcfadm.py mod -t monitor/<Monitor resource type>@<Monitor resource name>
↪/multi --set 0
```

8.30 Oracle Cloud DNS monitor resource

Note:

The command lines in this section use **ocdnsw1** as the monitor resource name.
Change it to suit your environment.

8.30.1 Adding an Oracle Cloud DNS monitor resource

Be sure to set the following items. For details, see "*Setting Oracle Cloud DNS monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon ocdnsw ocdnsw1
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/parameters/target --set <Target␣
↪Resource (monitored when active)>
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.30.2 Setting Oracle Cloud DNS monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 300 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only a Oracle Cloud DNS resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Check Name Resolution

Check Name Resolution	Value
Check Name Resolution (default)	1
Do not check name resolution	0

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/parameters/dnscheck --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/threshold/
↪restart --set 0
```

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[55]	16
Stop group[56]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

[55] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[56] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/ocdnsw@ocdnsw1/emergency/preaction/
↪account --set <Exec User>
```

8.30.3 Deleting an Oracle Cloud DNS monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon ocdnsw ocdnsw1
```

8.31 Oracle Cloud load balance monitor resource

Note:

The command lines in this section use **oclbw1** as the monitor resource name.
Change it to suit your environment.

8.31.1 Adding an Oracle Cloud load balance monitor resource

Be sure to set the following items. For details, see "*Setting Oracle Cloud load balance monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource
Recovery target
Recovery target type

```
clpcfadm.py add mon oclbw oclbw1
clpcfadm.py mod -t monitor/oclbw@oclbw1/parameters/object --set <Target␣
↪Resource>
clpcfadm.py mod -t monitor/oclbw@oclbw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/oclbw@oclbw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.31.2 Setting Oracle Cloud load balance monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/oclbw@oclbw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/oclbw@oclbw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/oclbw@oclbw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/timeout/notrecovery/
↪use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/oclbw@oclbw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/oclbw@oclbw1/firstmonwait --set <Value>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/oclbw@oclbw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

  With only one server to be monitored, specify 0 for ID.
  With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Target Resource

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/parameters/object --set
↪<Target Resource>
```

Note: You can specify only an Oracle Cloud Virtual IP resource.

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/oclbw@oclbw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/mode --set <Value>
```

- Maximum Failover Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[57]	16
Stop group[58]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

[57] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[58] Cannot be specified with "Recovery target type" set to "cls".

```
clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/preaction/
  ↪timeout --set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/oclbw@oclbw1/emergency/preaction/
  ↪account --set <Exec User>
  ```

8.31.3 Deleting an Oracle Cloud load balance monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon oclbw oclbw1
```

8.32 Oracle Cloud Virtual IP monitor resource

Note:

The command lines in this section use **ocvipw1** as the monitor resource name.
Change it to suit your environment.

8.32.1 Adding an Oracle Cloud Virtual IP monitor resource

Be sure to set the following items. For details, see "*Setting Oracle Cloud Virtual IP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon ocvipw ocvipw1
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.32.2 Setting Oracle Cloud Virtual IP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/ocvipw@ocvipw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ocvipw@ocvipw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ocvipw@ocvipw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/ocvipw@ocvipw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/ocvipw@ocvipw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/ocvipw@ocvipw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only an Oracle Cloud Virtual IP resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/polling/servers@<ID>/name␣
↪--set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Health Check Timeout Operation

Health Check Timeout Operation	Value
Disable recovery action(Do nothing) (default)	0
Disable recovery action(Display warning)	1
Recover	2

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/parameters/mode --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/threshold/
```

```
↪restart --set 0
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[59]	16
Stop group[60]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

[59] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[60] Cannot be specified with "Recovery target type" set to "cls".

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/ocvipw@ocvipw1/emergency/preaction/
↪account --set <Exec User>
```

8.32.3 Deleting an Oracle Cloud Virtual IP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon ocvipw ocvipw1
```

8.33 ODBC monitor resource

Note:

The command lines in this section use **odbcw1** as the monitor resource name.
Change it to suit your environment.

8.33.1 Adding an ODBC monitor resource

Be sure to set the following items. For details, see "*Setting ODBC monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Data Source Name
Recovery target
Recovery target type

```
clpcfadm.py add mon odbcw odbcw1
clpcfadm.py mod -t monitor/odbcw@odbcw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/odbcw@odbcw1/agentparam/dbname --set <Data␣
↪Source Name>
clpcfadm.py mod -t monitor/odbcw@odbcw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/odbcw@odbcw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.33.2 Setting ODBC monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 2 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/odbcw@odbcw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Monitor Level

Monitor Level	Value
Level 1 (monitoring by select)	3
Level 2 (monitoring by update/select) (default)	0

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/agentparam/docreatedrop --set
↪<Value>
```

- Data Source Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/agentparam/dbname --set <Data␣
↪Source Name>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/agentparam/username --set
↪<User Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/agentparam/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Monitor Table Name (Within 255 bytes)

  Default: ODBCWATCH

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/agentparam/tablename --set
↪<Monitor Table Name>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/odbcw@odbcw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[61]	16
Stop group[62]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/odbcw@odbcw1/emergency/preaction/
↪account --set <Exec User>
```

[61] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[62] Cannot be specified with "Recovery target type" set to "cls".

8.33.3 Deleting an ODBC monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon odbcw odbcw1
```

8.34 Oracle monitor resource

Note:

The command lines in this section use **oraclew1** as the monitor resource name.
Change it to suit your environment.

8.34.1 Adding an Oracle monitor resource

Be sure to set the following items. For details, see "*Setting Oracle monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Connect Command
Recovery target
Recovery target type

```
clpcfadm.py add mon oraclew oraclew1
clpcfadm.py mod -t monitor/oraclew@oraclew1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/dbname --set
↪<Connect Command> --nocheck
clpcfadm.py mod -t monitor/oraclew@oraclew1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/oraclew@oraclew1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.34.2 Setting Oracle monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 2 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Monitor Method

Monitor Method	Value
Listener and Instance Monitor (default)	0
Listener Monitor	1
Instance Monitor	2

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/monmethod␣
↪--set <Value>
```

- Monitor Level

Monitor Level	Value
Level 0 (database status)	2
Level 1 (monitoring by select)	3
Level 2 (monitoring by update/select) (default)	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/docreatedrop␣
↪--set <Value>
```

- Connect Command (Within 255 bytes)

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/dbname --set
↪<Connect Command> --nocheck
```

- User Name (Within 255 bytes)

  Default: sys

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/username --set
↪<User Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- OS Authentication

OS Authentication	Value
Perform OS authentication	1
Do not perform OS authentication (default)	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/os --set
↪<Value>
```

- Authority Method

Authority Method	Value
SYSDBA (default)	0
DEFAULT	1

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/certificate␣
↪--set <Value>
```

- Monitor Table Name (Within 255 bytes)

  Default: ORAWATCH

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/tablename␣
↪--set <Monitor Table Name>
```

- ORACLE_HOME (Within 255 bytes)

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/oraclehome␣
↪--set <ORACLE_HOME>
```

- Character Set

Value
(Following the setting of the application)
AMERICAN_AMERICA.US7ASCII

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/characterset␣
↪--set <Value> --nocheck
```

- Collect detailed application information at failure occurrence

Collect detailed application information at failure occurrence	Value
Collect	1
Do not collect (default)	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/infocollect/use␣
↪--set <Value>
```

- Collection Timeout (sec)

  Default, 600 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/infocollect/
```

```
↪timeout --set <Value>
```

Note: Set as above with "Collect detailed application information at failure occurrence" set to "Collect".

- Set error during Oracle initialization or shutdown

Set error during Oracle initialization or shutdown	Value
Yes	1
No (default)	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/agentparam/ignoreuse␣
↪--set <Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/oraclew@oraclew1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/action --set␣
↪1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/action --set␣
↪1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/threshold/
↪script --set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/threshold/
↪restart --set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[63]	16
Stop group[64]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/action --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/preaction/
↪path --set <File> --nocheck
```

[63] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[64] Cannot be specified with "Recovery target type" set to "cls".

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/preaction/
  ↪timeout --set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/oraclew@oraclew1/emergency/preaction/
  ↪account --set <Exec User>
  ```

8.34.3 Deleting an Oracle monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon oraclew oraclew1
```

8.35 WebOTX monitor resource

Note:

The command lines in this section use **otxw1** as the monitor resource name.
Change it to suit your environment.

8.35.1 Adding a WebOTX monitor resource

Be sure to set the following items. For details, see "*Setting WebOTX monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
User Name
Recovery target
Recovery target type

```
clpcfadm.py add mon otxw otxw1
clpcfadm.py mod -t monitor/otxw@otxw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/otxw@otxw1/parameters/username --set <User␣
↪Name>
clpcfadm.py mod -t monitor/otxw@otxw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/otxw@otxw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.35.2 Setting WebOTX monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/otxw@otxw1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/otxw@otxw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Connecting Destination (Within 255 bytes)

  Default: localhost

```
clpcfadm.py mod -t monitor/otxw@otxw1/parameters/servername --set
↪<Connecting Destination>
```

- Port Number

  Default, 6212 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/otxw@otxw1/parameters/port --set <Value>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/otxw@otxw1/parameters/username --set <User␣
↪Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/otxw@otxw1/parameters/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Install Path (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/otxw@otxw1/parameters/installpath --set
↪<Install Path>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp

Continued on next page

Table 8.445 – continued from previous page

	Recovery target	Recovery target type
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/otxw@otxw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/otxw@otxw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/mode --set <Value>
```

- Maximum Failover Count

Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[65]	16
Stop group[66]	2
Stop the cluster service	3

Continued on next page

Table 8.450 – continued from previous page

Final Action	Value
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/otxw@otxw1/emergency/preaction/account␣
↪--set <Exec User>
```

[65] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[66] Cannot be specified with "Recovery target type" set to "cls".

8.35.3 Deleting a WebOTX monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon otxw otxw1
```

8.36 POP3 monitor resource

Note:

The command lines in this section use **pop3w1** as the monitor resource name.
Change it to suit your environment.

8.36.1 Adding a POP3 monitor resource

Be sure to set the following items. For details, see "*Setting POP3 monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon pop3w pop3w1
clpcfadm.py mod -t monitor/pop3w@pop3w1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/pop3w@pop3w1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/pop3w@pop3w1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.36.2 Setting POP3 monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 3 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/pop3w@pop3w1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/perf/metrics/use --set <Value>
```

Monitor (special)

- IP Address

  Default: 127.0.0.1

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/agentparam/ipaddress --set
↪<IP Address>
```

- Port Number

  Default, 110 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/agentparam/port --set <Value>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/agentparam/username --set
↪<User Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/agentparam/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Authentication Method

Authentication Method	Value
APOP (default)	0
USER/PASS	1

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/agentparam/certificate --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/pop3w@pop3w1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[67]	16
Stop group[68]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/pop3w@pop3w1/emergency/preaction/
↪account --set <Exec User>
```

[67] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[68] Cannot be specified with "Recovery target type" set to "cls".

8.36.3 Deleting a POP3 monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon pop3w pop3w1
```

8.37 PostgreSQL monitor resource

Note:

The command lines in this section use **psqlw1** as the monitor resource name.
Change it to suit your environment.

8.37.1 Adding a PostgreSQL monitor resource

Be sure to set the following items. For details, see "*Setting PostgreSQL monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Database Name
Recovery target
Recovery target type

```
clpcfadm.py add mon psqlw psqlw1
clpcfadm.py mod -t monitor/psqlw@psqlw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/dbname --set <Database␣
↪Name> --nocheck
clpcfadm.py mod -t monitor/psqlw@psqlw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/psqlw@psqlw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.37.2 Setting PostgreSQL monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 2 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Monitor Level

Monitor Level	Value
Level 1 (monitoring by select)	3
Level 2 (monitoring by update/select) (default)	0

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/docreatedrop --set
↪<Value>
```

- Database Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/dbname --set
↪<Database Name> --nocheck
```

- IP Address

  Default: 127.0.0.1

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/ipaddress --set
↪<IP Address>
```

- Port Number

  Default, 5432 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/port --set <Value>
```

- User Name (Within 255 bytes)

  Default: postgres

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/username --set
↪<User Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Monitor Table Name (Within 255 bytes)

  Default: PSQLWATCH

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/tablename --set
  ↪<Monitor Table Name>
  ```

- Set error during PostgreSQL initialization or shutdown

Set error during PostgreSQL initialization or shutdown	Value
Yes (default)	1
No	0

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/agentparam/ignoreuse --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/psqlw@psqlw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[69]	16
Stop group[70]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

[69] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[70] Cannot be specified with "Recovery target type" set to "cls".

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/preaction/
  ↪timeout --set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/psqlw@psqlw1/emergency/preaction/
  ↪account --set <Exec User>
  ```

8.37.3 Deleting a PostgreSQL monitor resources

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon psqlw psqlw1
```

8.38 Process resource monitor resource

Note:

The command lines in this section use **psrw1** as the monitor resource name.
Change it to suit your environment.

8.38.1 Adding a process resource monitor resource

Be sure to set the following items. For details, see "*Setting process resource monitor resource parameters*".

Item (mandatory)
Monitor resource name
Recovery target
Recovery target type

```
clpcfadm.py add mon psrw psrw1
clpcfadm.py mod -t monitor/psrw@psrw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/psrw@psrw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.38.2 Setting process resource monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/polling/timeout --set <Value>
  ```

- Retry Count

  Default, 0 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/firstmonwait --set <Value>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

  With only one server to be monitored, specify 0 for ID.
  With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Process Name (Within 1023 bytes)

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/name --set
  ↪<Process Name>
  ```

- Monitoring CPU usage

Monitoring CPU usage	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/cpu/docheck␣
```

```
↪--set <Value>
```

– CPU usage (%)

Default, 90 (minimum, 1; maximum, 100)

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/cpu/
↪rate --set <Value>
```

Note: Set as above with "Monitoring CPU usage" set to "Monitor".

– Duration Time (min)

Default, 1440 (minimum, 1; maximum, 4320)

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/cpu/
↪count --set <Value>
```

Note: Set as above with "Monitoring CPU usage" set to "Monitor".

- Monitoring usage of memory

Monitoring usage of memory	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/memory/
↪docheck --set <Value>
```

– Rate of Increase from the First Monitoring Point (%)

Default, 10 (minimum, 1; maximum, 1000)

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/memory/
↪rate --set <Value>
```

Note: Set as above with "Monitoring usage of memory" set to "Monitor".

– Maximum Refresh Count

Default, 1440 (minimum, 1; maximum, 4320)

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/memory/
↪count --set <Value>
```

Note: Set as above with "Monitoring usage of memory" set to "Monitor".

- Monitoring number of opening files (maximum number)

Monitoring number of opening files (maximum number)	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/fileleak/
```

```
↪docheck --set <Value>
```

– Refresh Count

Default, 1440 (minimum, 1; maximum, 4320)

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/
↪fileleak/count --set <Value>
```

Note: Set as above with "Monitoring number of opening files (maximum number)" set to "Monitor".

- Monitoring number of running threads

Monitoring number of running threads	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/thread/
↪docheck --set <Value>
```

– Duration Time (min)

Default, 1440 (minimum, 1; maximum, 4320)

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/thread/
↪count --set <Value>
```

Note: Set as above with "Monitoring number of running threads" set to "Monitor".

- Monitoring Processes of the Same Name

Monitoring Processes of the Same Name	Value
Monitor	1
Do not monitor (default)	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/proccount/
↪docheck --set <Value>
```

– Count

Default, 100 (minimum, 1; maximum, 10000)

```
clpcfadm.py mod -t monitor/psrw@psrw1/parameters/process/
↪proccount/number --set <Value>
```

Note: You can set this parameter with "Monitoring Processes of the Same Name" set to "Monitor".

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/psrw@psrw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/psrw@psrw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/emergency/threshold/restart␣
  ↪--set <Value>
  ```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/psrw@psrw1/emergency/threshold/fo2 --set
  ↪<Value>
  ```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[71]	16
Stop group[72]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/psrw@psrw1/emergency/preaction/account␣
↪--set <Exec User>
```

[71] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[72] Cannot be specified with "Recovery target type" set to "cls".

8.38.3 Deleting a process resource monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon psrw psrw1
```

8.39 Process name monitor resource

Note:

The command lines in this section use **psw1** as the monitor resource name.
Change it to suit your environment.

8.39.1 Adding a process name monitor resource

Be sure to set the following items. For details, see "*Setting process name monitor resource parameters*".

Item (mandatory)
Monitor resource name
Process Name
Recovery target
Recovery target type

```
clpcfadm.py add mon psw psw1
clpcfadm.py mod -t monitor/psw@psw1/parameters/processname --set <Process␣
↪Name>
clpcfadm.py mod -t monitor/psw@psw1/relation/name --set <Recovery target>␣
↪--nocheck
clpcfadm.py mod -t monitor/psw@psw1/relation/type --set <Recovery target␣
↪type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.39.2 Setting process name monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/psw@psw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 5 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psw@psw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psw@psw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/timeout/notrecovery/use␣
↪--set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 0 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/psw@psw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 3 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/psw@psw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always (default)	0
Active	1

```
clpcfadm.py mod -t monitor/psw@psw1/polling/timing --set <Value>
```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/psw@psw1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/psw@psw1/target --set <Target Resource␣
↪(monitored when active)>
```

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/psw@psw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/psw@psw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Process Name (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/psw@psw1/parameters/processname --set
↪<Process Name>
```

- Minimum Process Count

  Default, 1 (minimum, 1; maximum, 999)

```
clpcfadm.py mod -t monitor/psw@psw1/parameters/processnum --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/psw@psw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/psw@psw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/psw@psw1/emergency/threshold/fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/threshold/script --set
↪<Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/threshold/restart --set
↪<Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[73]	16
Stop group[74]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/preaction/path --set
↪<File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/preaction/path --set␣
↪preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/psw@psw1/emergency/preaction/account␣
↪--set <Exec User>
```

[73] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[74] Cannot be specified with "Recovery target type" set to "cls".

8.39.3 Deleting a process name monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon psw psw1
```

8.40 Registry synchronization monitor resource

Note:

The command lines in this section use **regsyncw1** as the monitor resource name.
Change it to suit your environment.

8.40.1 Adding a registry synchronization monitor resource

Be sure to set the following items. For details, see "*Setting registry synchronization monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon regsyncw regsyncw1
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/target --set <Target␣
↪Resource (monitored when active)>
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/relation/type --set
↪<Recovery target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.40.2 Setting registry synchronization monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/regsyncw@regsyncw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/regsyncw@regsyncw1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/regsyncw@regsyncw1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/regsyncw@regsyncw1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/regsyncw@regsyncw1/firstmonwait --set
  ↪<Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/regsyncw@regsyncw1/target --set <Target␣
  ↪Resource (monitored when active)>
  ```

  Note: You can specify only a registry synchronization resource for this monitor resource.

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/perf/metrics/use --set
↪<Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/action␣
↪--set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/action␣
↪--set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/threshold/
↪script --set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/threshold/
↪restart --set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[75]	16
Stop group[76]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/action --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/preaction/
↪path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

[75] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[76] Cannot be specified with "Recovery target type" set to "cls".

Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/regsyncw@regsyncw1/emergency/preaction/
↪account --set <Exec User>
```

8.40.3 Deleting a registry synchronization monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon regsyncw regsyncw1
```

8.41 Disk TUR monitor resource

Note:

The command lines in this section use **sdw1** as the monitor resource name.
Change it to suit your environment.

8.41.1 Adding a disk TUR monitor resource

Be sure to set the following items. For details, see "*Setting disk TUR monitor resource parameters*".

Item (mandatory)
Monitor resource name
Disk Resource
Recovery target
Recovery target type

```
clpcfadm.py add mon sdw sdw1
clpcfadm.py mod -t monitor/sdw@sdw1/parameters/object --set <Disk␣
↪Resource>
clpcfadm.py mod -t monitor/sdw@sdw1/relation/name --set <Recovery target>␣
↪--nocheck
clpcfadm.py mod -t monitor/sdw@sdw1/relation/type --set <Recovery target␣
↪type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.41.2 Setting disk TUR monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 300 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/emergency/timeout/notrecovery/use␣
  ↪--set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/firstmonwait --set <Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always (default)	0
Active	1

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/polling/timing --set <Value>
  ```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/sdw@sdw1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/sdw@sdw1/target --set <Target Resource␣
↪(monitored when active)>
```

Note:

You can specify only a disk resource for this monitor resource.

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/sdw@sdw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/sdw@sdw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Disk Resource

```
clpcfadm.py mod -t monitor/sdw@sdw1/parameters/object --set <Disk␣
↪Resource>
```

Note: You can specify only a disk resource.

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/sdw@sdw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/sdw@sdw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/threshold/fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/threshold/script --set
↪<Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/emergency/threshold/restart --set
  ↪<Value>
  ```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/sdw@sdw1/emergency/threshold/fo2 --set
  ↪<Value>
  ```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[77]	16
Stop group[78]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/preaction/path --set
↪<File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/preaction/path --set␣
↪preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/sdw@sdw1/emergency/preaction/account␣
↪--set <Exec User>
```

[77] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[78] Cannot be specified with "Recovery target type" set to "cls".

8.41.3 Deleting a disk TUR monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon sdw sdw1
```

8.42 Service monitor resource

Note:

The command lines in this section use **servicew1** as the monitor resource name.
Change it to suit your environment.

8.42.1 Adding a service monitor resource

Be sure to set the following items. For details, see "*Setting service monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Service Name
Recovery target
Recovery target type

```
clpcfadm.py add mon servicew servicew1
clpcfadm.py mod -t monitor/servicew@servicew1/target --set <Target␣
↪Resource (monitored when active)>
clpcfadm.py mod -t monitor/servicew@servicew1/parameters/name --set
↪<Service Name>
clpcfadm.py mod -t monitor/servicew@servicew1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/servicew@servicew1/relation/type --set
↪<Recovery target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.42.2 Setting service monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/servicew@servicew1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/servicew@servicew1/polling/interval --set
  ↪<Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/servicew@servicew1/polling/timeout --set
  ↪<Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

  ```
  clpcfadm.py mod -t monitor/servicew@servicew1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/servicew@servicew1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/servicew@servicew1/polling/reconfirmation␣
  ↪--set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 3 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/servicew@servicew1/firstmonwait --set
  ↪<Value>
  ```

- Monitoring Timing

Monitoring Timing	Value
Always	0
Active (default)	1

```
clpcfadm.py mod -t monitor/servicew@servicew1/polling/timing --set
↪<Value>
```

Note: If "Monitoring Timing" is set to "Active", set "Target Resource (monitored when active)".

Important: If you change the setting for "Monitoring timing" to "Always", set "Target Resource" to blank ("").

```
clpcfadm.py mod -t monitor/servicew@servicew1/target --set ""
```

- Target Resource (monitored when active)

```
clpcfadm.py mod -t monitor/servicew@servicew1/target --set <Target␣
↪Resource (monitored when active)>
```

Note: Set as above with "Monitoring Timing" set to "Active".

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/servicew@servicew1/polling/servers@<ID>/
↪name --set <Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/servicew@servicew1/perf/metrics/use --set
↪<Value>
```

Monitor (special)

- Service Name (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/servicew@servicew1/parameters/name --set
↪<Service Name>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/servicew@servicew1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/servicew@servicew1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/threshold/
↪fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/action␣
↪--set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/action␣
↪--set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/threshold/
↪script --set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/threshold/
↪restart --set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/mode --set
↪<Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/threshold/fo2␣
↪--set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/preaction/use␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[79]	16
Stop group[80]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/action --set
↪<Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/preaction/
↪path --set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/preaction/
↪path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/servicew@servicew1/emergency/preaction/
↪account --set <Exec User>
```

[79] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[80] Cannot be specified with "Recovery target type" set to "cls".

8.42.3 Deleting a service monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon servicew servicew1
```

8.43 SMTP monitor resource

Note:

The command lines in this section use **smtpw1** as the monitor resource name.
Change it to suit your environment.

8.43.1 Adding an SMTP monitor resource

Be sure to set the following items. For details, see "*Setting SMTP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon smtpw smtpw1
clpcfadm.py mod -t monitor/smtpw@smtpw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/smtpw@smtpw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/smtpw@smtpw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.43.2 Setting SMTP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 3 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/smtpw@smtpw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/perf/metrics/use --set <Value>
```

Monitor (special)

- IP Address

  Default: 127.0.0.1

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/agentparam/ipaddress --set
↪<IP Address>
```

- Port Number

  Default, 25 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/agentparam/port --set <Value>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/agentparam/username --set
↪<User Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/agentparam/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Authentication Method

Value
CRAM-MD5 (default)
LOGIN

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/agentparam/certificate --set
↪<Value>
```

- E-mail Address (Within 255 bytes)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/agentparam/mailaddress --set
↪<E-mail Address>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/smtpw@smtpw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[81]	16
Stop group[82]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/smtpw@smtpw1/emergency/preaction/
↪account --set <Exec User>
```

[81] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[82] Cannot be specified with "Recovery target type" set to "cls".

8.43.3 Deleting an SMTP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon smtpw smtpw1
```

8.44 SQL Server monitor resource

Note:

The command lines in this section use **sqlserverw1** as the monitor resource name.
Change it to suit your environment.

8.44.1 Adding an SQL Server monitor resource

Be sure to set the following items. For details, see "*Setting SQL Server monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Database Name
Recovery target
Recovery target type

```
clpcfadm.py add mon sqlserverw sqlserverw1
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/target --set <Target␣
↪Resource (monitored when active)>
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/agentparam/dbname --set
↪<Database Name>
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/relation/type --set
↪<Recovery target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.44.2 Setting SQL Server monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/comment --set
  ↪<Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/polling/interval␣
  ↪--set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/polling/timeout␣
  ↪--set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/timeout/
  ↪notrecovery/use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 2 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/polling/
  ↪reconfirmation --set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/firstmonwait --set
  ↪<Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/target --set
  ↪<Target Resource (monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/polling/servers@<ID>
  ↪/name --set <Server name> --nocheck
  ```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/perf/metrics/use␣
↪--set <Value>
```

Monitor (special)

- Monitor Level

Monitor Level	Value
Level 0 (database status)	2
Level 1 (monitoring by select)	3
Level 2 (monitoring by update/select) (default)	0

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/agentparam/
↪docreatedrop --set <Value>
```

- Database Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/agentparam/dbname␣
↪--set <Database Name>
```

- Instance Name (Within 255 bytes)

  Default: MSSQLSERVER

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/agentparam/instance␣
↪--set <Instance Name>
```

- User Name (Within 255 bytes)

  Default: SA

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/agentparam/username␣
↪--set <User Name>
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/agentparam/password␣
↪--set <Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Monitor Table Name (Within 255 bytes)

  Default: SQLWATCH

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/agentparam/
↪tablename --set <Monitor Table Name>
```

- ODBC Driver Name (Within 255 bytes)

ODBC Driver Name
SQL Server Native Client 11.0
ODBC Driver 13 for SQL Server (default)
ODBC Driver 17 for SQL Server
SQL Server

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/agentparam/odbcname␣
↪--set <ODBC Driver Name>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/relation/name --set
↪<Recovery target> --nocheck
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/relation/type --set
↪<Recovery target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/
↪threshold/restart --set 0
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/
↪threshold/fo2 --set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/action␣
↪--set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/
↪threshold/restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/action␣
↪--set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/threshold/
↪script --set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/threshold/
↪restart --set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/mode␣
↪--set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/threshold/
↪fo2 --set <Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/preaction/
↪use --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[83]	16
Stop group[84]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/action␣
↪--set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/
↪preaction/default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/
↪preaction/path --set <File> --nocheck
```

[83] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[84] Cannot be specified with "Recovery target type" set to "cls".

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/
↪preaction/path --set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/
  ↪preaction/timeout --set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/sqlserverw@sqlserverw1/emergency/
  ↪preaction/account --set <Exec User>
  ```

8.44.3 Deleting an SQL Server monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon sqlserverw sqlserverw1
```

8.45 System monitor resource

Note:

The command lines in this section use **sraw1** as the monitor resource name.
Change it to suit your environment.

8.45.1 Adding a system monitor resource

Be sure to set the following items. For details, see "*Setting system monitor resource parameters*".

Item (mandatory)
Monitor resource name
Recovery target
Recovery target type

```
clpcfadm.py add mon sraw sraw1
clpcfadm.py mod -t monitor/sraw@sraw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.45.2 Setting system monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 60 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/polling/timeout --set <Value>
  ```

- Retry Count

  Default, 0 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/firstmonwait --set <Value>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

  With only one server to be monitored, specify 0 for ID.
  With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Monitoring CPU usage

Monitoring CPU usage	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/cpu/docheck␣
↪--set <Value>
```

  - CPU usage (%)

    Default, 90 (minimum, 1; maximum, 100)

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/cpu/
↪rate --set <Value>
```

Note: Set as above with "Monitoring CPU usage" set to "Monitor".

– Duration Time (sec)

Default, 3600 (minimum, 60; maximum, 86400)

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/cpu/
↪time --set <Value>
```

Note: Set as above with "Monitoring CPU usage" set to "Monitor".

Note: Specify a value in seconds (divisible by 60).

- Monitoring total usage of memory

Monitoring total usage of memory	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/memory/
↪docheck --set <Value>
```

– Total usage of memory (%)

Default, 90 (minimum, 1; maximum, 100)

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/memory/
↪rate --set <Value>
```

Note: Set as above with "Monitoring total usage of memory" set to "Monitor".

– Duration Time (sec)

Default, 3600 (minimum, 60; maximum, 86400)

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/memory/
↪time --set <Value>
```

Note: Set as above with "Monitoring total usage of memory" set to "Monitor".

Note: Specify a value in seconds (divisible by 60).

- Monitoring total usage of virtual memory

Monitoring total usage of virtual memory	Value
Monitor (default)	1
Do not monitor	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/swap/docheck␣
↪--set <Value>
```

– Total usage of memory (%)

Default, 90 (minimum, 1; maximum, 100)

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/swap/
↪rate --set <Value>
```

Note: Set as above with "Monitoring total usage of virtual memory" set to "Monitor".

– Duration Time (sec)

Default, 3600 (minimum, 60; maximum, 86400)

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/system/swap/
↪time --set <Value>
```

Note: Set as above with "Monitoring total usage of virtual memory" set to "Monitor".

Note: Specify a value in seconds (divisible by 60).

Condition of detecting failure

Add

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
↪mountpoint --set <Logical Drive> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/docheck_
↪rate --set <Utilization rate> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/warning_
↪rate --set <(Utilization rate) Warning level> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/notice_
↪rate --set <(Utilization rate) Notice level> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/rate_
↪time --set <(Utilization rate) Duration Time> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/docheck_
↪size --set <Free space> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/warning_
↪size --set <(Free space) Warning level> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/notice_
↪size --set <(Free space) Notice level> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/size_
↪time --set <(Free space) Duration Time> --nocheck
```

Note:

With only one condition of detecting failure, specify 0 for ID.

With more than one condition of detecting failure, specify consecutive numbers (e.g., 0, 1, 2...).

- Logical Drive

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
↪mountpoint --set <Drive letter> --nocheck
```

Monitor Type

- Utilization rate

Utilization rate	Value
Set (default)	1
Do not set	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
↪docheck_rate --set <Value> --nocheck
```

Note: To set the following items, set "Utilization rate" to "Set" in advance.

- Warning level (%)
  Default, 90 (minimum, 1; maximum, 100)
  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
  ↪warning_rate --set <Value> --nocheck
  ```
  Note: Set the warning level to a value equal to or greater than the notice level value.
- Notice level (%)
  Default, 80 (minimum, 1; maximum, 100)
  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
  ↪notice_rate --set <Value> --nocheck
  ```
- Duration Time (sec)
  Default, 86400 (minimum, 60; maximum, 2592000)
  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
  ↪rate_time --set <Value> --nocheck
  ```
  Note: Specify a value in seconds (divisible by 60).
- Free space

Free space	Value
Set (default)	1
Do not set	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
↪docheck_size --set <Value> --nocheck
```

Note: To set the following items, set "Free space" to "Set" in advance.

- Warning level (MB)
  Default, 500 (minimum, 1; maximum, 4294967295)
  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
  ↪warning_size --set <Value> --nocheck
  ```

Note: Set the warning level to a value equal to or less than the notice level value.

- Notice level (MB)
  Default, 1000 (minimum, 1; maximum, 4294967295)
  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
  ↪notice_size --set <Value> --nocheck
  ```
- Duration Time (sec)
  Default, 86400 (minimum, 60; maximum, 2592000)
  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID>/
  ↪size_time --set <Value> --nocheck
  ```

Note: Specify a value in seconds (divisible by 60).

Delete

```
clpcfadm.py mod -t monitor/sraw@sraw1/parameters/diskcap@<ID> --delete
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/sraw@sraw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/sraw@sraw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[85]	16
Stop group[86]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/sraw@sraw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

[85] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[86] Cannot be specified with "Recovery target type" set to "cls".

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/emergency/preaction/timeout␣
  ↪--set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/sraw@sraw1/emergency/preaction/account␣
  ↪--set <Exec User>
  ```

8.45.3 Deleting a system monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon sraw sraw1
```

8.46 Tuxedo monitor resource

Note:

The command lines in this section use **tuxw1** as the monitor resource name.
Change it to suit your environment.

8.46.1 Adding a Tuxedo monitor resource

Be sure to set the following items. For details, see "*Setting Tuxedo monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Config File
Recovery target
Recovery target type

```
clpcfadm.py add mon tuxw tuxw1
clpcfadm.py mod -t monitor/tuxw@tuxw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/tuxw@tuxw1/parameters/tuxconfig --set <Config␣
↪File> --nocheck
clpcfadm.py mod -t monitor/tuxw@tuxw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/tuxw@tuxw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.46.2 Setting Tuxedo monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 2 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Application Server Name (Within 255 bytes)

  Default: BBL

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/parameters/servername --set
↪<Application Server Name>
```

- Config File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/parameters/tuxconfig --set
↪<Config File> --nocheck
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/tuxw@tuxw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[87]	16
Stop group[88]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

[87] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[88] Cannot be specified with "Recovery target type" set to "cls".

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/preaction/timeout␣
  ↪--set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/tuxw@tuxw1/emergency/preaction/account␣
  ↪--set <Exec User>
  ```

8.46.3 Deleting a Tuxedo monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon tuxw tuxw1
```

8.47 User mode monitor resource

Note:

The command lines in this section use **userw1** as the monitor resource name.
Change it to suit your environment.

8.47.1 Adding a user mode monitor resource

Be sure to set the following items. For details, see "*Setting user mode monitor resource parameters*".

Item (mandatory)
Monitor resource name
Recovery target (LocalServer)
Recovery target type (cls)

```
clpcfadm.py add mon userw userw1
clpcfadm.py mod -t monitor/userw@userw1/relation/name --set LocalServer␣
↪--nocheck
clpcfadm.py mod -t monitor/userw@userw1/relation/type --set cls --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.47.2 Setting user mode monitor resource parameters

Information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/userw@userw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 30 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/userw@userw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 300 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/userw@userw1/polling/timeout --set <Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/userw@userw1/firstmonwait --set <Value>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/userw@userw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

  Note:

  With only one server to be monitored, specify 0 for ID.
  With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/userw@userw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Method

Value
keepalive (default)

```
clpcfadm.py mod -t monitor/userw@userw1/parameters/method --set
↪<Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
No operation	0
Reset the hardware	1
Generate an intentional stop error (default)	2

```
clpcfadm.py mod -t monitor/userw@userw1/parameters/stallaction --set
```

```
↪<Value>
```

- Create Temporary Thread

Create Temporary Thread	Value
Set (default)	1
Do not set	0

```
clpcfadm.py mod -t monitor/userw@userw1/parameters/mkthread --set
↪<Value>
```

Recovery Action

This cannot be set for this monitor resource.

8.47.3 Deleting a user mode monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon userw userw1
```

8.48 Virtual computer name monitor resource

Note:

The command lines in this section use **vcomw1** as the monitor resource name.
Change it to suit your environment.

8.48.1 Adding a virtual computer name monitor resource

Be sure to set the following items. For details, see "*Setting virtual computer name monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon vcomw vcomw1
clpcfadm.py mod -t monitor/vcomw@vcomw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/vcomw@vcomw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/vcomw@vcomw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.48.2 Setting virtual computer name monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/vcomw@vcomw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/vcomw@vcomw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/vcomw@vcomw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/timeout/notrecovery/
↪use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/vcomw@vcomw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/vcomw@vcomw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/vcomw@vcomw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/vcomw@vcomw1/polling/servers@<ID>/name␣
  ↪--set <Server name> --nocheck
  ```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/perf/metrics/use --set <Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/vcomw@vcomw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/threshold/
↪restart --set 0
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/threshold/
↪restart --set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/preaction/
↪userestart --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/preaction/
↪usefailover --set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/mode --set <Value>
```

- Maximum Failover Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1

Continued on next page

Table 8.601 – continued from previous page

Execute Script before Final Action	Value
Do not check (default)	0

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[89]	16
Stop group[90]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/preaction/
↪default --set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

[89] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[90] Cannot be specified with "Recovery target type" set to "cls".

Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/preaction/
↪timeout --set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/vcomw@vcomw1/emergency/preaction/
↪account --set <Exec User>
```

8.48.3 Deleting a virtual computer name monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon vcomw vcomw1
```

8.49 Virtual IP monitor resource

Note:

The command lines in this section use **vipw1** as the monitor resource name.
Change it to suit your environment.

8.49.1 Adding a Virtual IP monitor resource

Be sure to set the following items. For details, see "*Setting Virtual IP monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon vipw vipw1
clpcfadm.py mod -t monitor/vipw@vipw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/vipw@vipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/vipw@vipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.49.2 Setting Virtual IP monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/vipw@vipw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/vipw@vipw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 180 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/vipw@vipw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry	0
Do not retry (default)	1

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/timeout/
↪notreconfirmation/use --set <Value>
```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover	0
Do not recover (default)	1
Generate an intentional stop error	2

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/timeout/notrecovery/
↪use --set <Value>
```

Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 1 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/vipw@vipw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/vipw@vipw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/vipw@vipw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

  Note: You can specify only a Virtual IP resource for this monitor resource.

- Choose servers that execute monitoring

```
clpcfadm.py mod -t monitor/vipw@vipw1/polling/servers@<ID>/name --set
↪<Server name> --nocheck
```

Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/vipw@vipw1/perf/metrics/use --set <Value>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/vipw@vipw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/vipw@vipw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/action --set 1
```

- Recovery Script Execution Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 3 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation (default)	1
Stop resource[91]	16
Stop group[92]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/vipw@vipw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

[91] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[92] Cannot be specified with "Recovery target type" set to "cls".

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/vipw@vipw1/emergency/preaction/timeout␣
  ↪--set <Value>
  ```

- Exec User

  ```
  clpcfadm.py mod -t monitor/vipw@vipw1/emergency/preaction/account␣
  ↪--set <Exec User>
  ```

8.49.3 Deleting a Virtual IP monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon vipw vipw1
```

8.50 WebSphere monitor resource

Note:

The command lines in this section use **wasw1** as the monitor resource name.
Change it to suit your environment.

8.50.1 Adding a WebSphere monitor resource

Be sure to set the following items. For details, see "*Setting WebSphere monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
User Name
Recovery target
Recovery target type

```
clpcfadm.py add mon wasw wasw1
clpcfadm.py mod -t monitor/wasw@wasw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/wasw@wasw1/parameters/username --set <User␣
↪Name> --nocheck
clpcfadm.py mod -t monitor/wasw@wasw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/wasw@wasw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.50.2 Setting WebSphere monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 2 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/wasw@wasw1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/wasw@wasw1/perf/metrics/use --set <Value>
```

Monitor (special)

- Application Server Name (Within 255 bytes)

  Default: server1

```
clpcfadm.py mod -t monitor/wasw@wasw1/parameters/server --set
↪<Application Server Name>
```

- Profile Name (Within 1023 bytes)

  Default: default

```
clpcfadm.py mod -t monitor/wasw@wasw1/parameters/profile --set
↪<Profile Name>
```

- User Name (Within 255 bytes)

```
clpcfadm.py mod -t monitor/wasw@wasw1/parameters/username --set <User␣
↪Name> --nocheck
```

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/wasw@wasw1/parameters/password --set
↪<Encrypted password>
```

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

- Install Path (Within 1023 bytes)

Install Path
C:Program FilesIBMWebSphereAppServer (default)

```
clpcfadm.py mod -t monitor/wasw@wasw1/parameters/installpath --set
↪<Install Path>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/wasw@wasw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/wasw@wasw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/threshold/restart␣
↪--set <Value>
```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/threshold/fo2 --set
↪<Value>
```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[93]	16
Stop group[94]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/wasw@wasw1/emergency/preaction/account␣
↪--set <Exec User>
```

[93] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[94] Cannot be specified with "Recovery target type" set to "cls".

8.50.3 Deleting a WebSphere monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon wasw wasw1
```

8.51 WebLogic monitor resource

Note:

The command lines in this section use **wlsw1** as the monitor resource name.
Change it to suit your environment.

8.51.1 Adding a WebLogic monitor resource

Be sure to set the following items. For details, see "*Setting WebLogic monitor resource parameters*".

Item (mandatory)
Monitor resource name
Target Resource (monitored when active)
Recovery target
Recovery target type

```
clpcfadm.py add mon wlsw wlsw1
clpcfadm.py mod -t monitor/wlsw@wlsw1/target --set <Target Resource␣
↪(monitored when active)>
clpcfadm.py mod -t monitor/wlsw@wlsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/wlsw@wlsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Note: If you configure a cluster only with the above mandatory items, other parameters are set to their default values.

8.51.2 Setting WebLogic monitor resource parameters

Basic information

- Monitor resource name (Within 31 bytes)

  This is set when the resource is added. To change the monitor resource name, delete the resource and set it again.

- Comment (Within 127 bytes)

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/comment --set <Comment>
  ```

  Note: Enclose in double quotes a string including spaces (e.g., "Sample Comment").

Monitor (common)

- Interval (sec)

  Default, 60 (minimum, 1; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/polling/interval --set <Value>
  ```

- Timeout (sec)

  Default, 120 (minimum, 5; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/polling/timeout --set <Value>
  ```

- Do Not Retry at Timeout Occurrence

Do Not Retry at Timeout Occurrence	Value
Retry (default)	0
Do not retry	1

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/timeout/
  ↪notreconfirmation/use --set <Value>
  ```

- Action at Timeout Occurrence

Action at Timeout Occurrence	Value
Recover (default)	0
Do not recover	1
Generate an intentional stop error	2

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/timeout/notrecovery/
  ↪use --set <Value>
  ```

  Note: Set as above with "Do Not Retry at Timeout Occurrence" set to "Do not retry".

- Retry Count

  Default, 2 (minimum, 0; maximum, 999)

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/polling/reconfirmation --set
  ↪<Value>
  ```

- Wait Time to Start Monitoring (sec)

  Default, 0 (minimum, 0; maximum, 9999)

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/firstmonwait --set <Value>
  ```

- Target Resource (monitored when active)

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/target --set <Target Resource␣
  ↪(monitored when active)>
  ```

- Choose servers that execute monitoring

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/polling/servers@<ID>/name --set
  ↪<Server name> --nocheck
  ```

  Note:

With only one server to be monitored, specify 0 for ID.
With more than one server to be monitored, specify consecutive numbers (e.g., 0, 1, 2...).

- Send polling time metrics

Send polling time metrics	Value
Send	1
Do not send (default)	0

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/perf/metrics/use --set <Value>
```

Monitor (special)

- IP Address

  Default: 127.0.0.1

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/ipaddress --set <IP␣
↪Address>
```

- Port Number

  Default, 7002 (minimum, 1; maximum, 65535)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/port --set <Value>
```

- Monitor Method

Monitor Method	Value
RESTful API (default)	3
WLST	2

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/checkmethod --set
↪<Value>
```

- Protocol

Protocol	Value
HTTP (default)	0
HTTPS	1

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/https --set <Value>
```

- User Name (Within 255 bytes)

  Default: weblogic

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/restusername --set
↪<User Name>
```

Note: You can set this parameter with "Monitor Method" set to "RESTful API".

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/restpassword --set
↪<Encrypted password>
```

Note: You can set this parameter with "Monitor Method" set to "RESTful API".

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

Account Shadow

Note: To set the following items, set "Monitor Method" to "WLST" in advance.

- Account Shadow

Account Shadow	Value
On	1
Off (default)	0

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/shadow --set
↪<Value>
```

- Config File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/configfile --set
↪<Config File>
```

Note: Set as above with "Account Shadow" set to "On".

- Key File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/keyfile --set
↪<Key File>
```

Note: Set as above with "Account Shadow" set to "On".

- User Name (Within 255 bytes)

  Default: weblogic

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/username --set
↪<User Name>
```

Note: Set as above with "Account Shadow" set to "Off".

- Password (Within 255 bytes)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/password --set
↪<Encrypted password>
```

Note: Set as above with "Account Shadow" set to "Off".

Note:

Set an encrypted password string.
For details, see "*Retrieving an encrypted password string*".

Authority Method

Note: To set the following items, set "Monitor Method" to "WLST" in advance.

- Authority Method

Authority Method	Value
Not Use SSL	0
DemoTrust (default)	1
CustomTrust	2

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/authority --set
↪<Value>
```

- Key Store File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/keystorefile␣
↪--set <Key Store File>
```

Note: Set as above with "Authority Method" set to "CustomTrust".

- Install Path (Within 255 bytes)

Install Path
C:\Oracle\Middleware\Oracle_Home\wlserver (default)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/installpath --set
↪<Install Path>
```

- Add command option (Within 1023 bytes)

  Default: -Dwlst.offline.log=disable -Duser.language=en_US

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/parameters/option --set <Add␣
↪command option>
```

Recovery Action

- Recovery target

	Recovery target	Recovery target type
Local server	LocalServer	cls
All groups([All Groups])	""	grp
Failover group name	(Failover group name)	grp
Group resource name	(Group resource name)	rsc

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/relation/name --set <Recovery␣
↪target> --nocheck
clpcfadm.py mod -t monitor/wlsw@wlsw1/relation/type --set <Recovery␣
↪target type> --nocheck
```

Important: If you set "Recovery target" to "Local server"

Set "Maximum Reactivation Count" and "Maximum Failover Count" to 0 (times).

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/threshold/restart␣
↪--set 0
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/threshold/fo2␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)" or "Stop Group (2)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/action --set 1
```

Important: If you set "Recovery target" to "All groups ([All Groups])"

Set "Maximum Reactivation Count" to 0 (times).

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/threshold/restart␣
↪--set 0
```

If the current setting for "Final Action" is "Stop resource (16)", change it to "No operation (1)".

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/action --set 1
```

- Recovery Script Execution Count

Default, 0 (minimum, 0; maximum, 99)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/threshold/script␣
↪--set <Value>
```

- Execute Script before Reactivation

Execute Script before Reactivation	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/preaction/userestart␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Maximum Reactivation Count

  Default, 0 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/threshold/restart␣
  ↪--set <Value>
  ```

- Execute Script before Failover

Execute Script before Failover	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/preaction/usefailover␣
↪--set <Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Failover Target Server

Failover Target Server	Value
Stable server (default)	1
Maximum priority server	0

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/mode --set <Value>
```

- Maximum Failover Count

  Default, 1 (minimum, 0; maximum, 99)

  ```
  clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/threshold/fo2 --set
  ↪<Value>
  ```

- Execute Script before Final Action

Execute Script before Final Action	Value
Check	1
Do not check (default)	0

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/preaction/use --set
↪<Value>
```

Note: If "Execute" is set, specify the file. (See "Script Settings" -> "File".)

- Final Action

Final Action	Value
No operation	1
Stop resource[95]	16
Stop group[96]	2
Stop the cluster service	3
Stop the cluster service and shutdown OS (default)	4
Stop the cluster service and reboot OS	5
Generate an intentional stop error	6

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/action --set <Value>
```

Script Settings

- File type

Script file type	Value
Script created with this product (default)	1
User Application	0

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/preaction/default␣
↪--set <Value>
```

Note: If you change the value of this parameter, also change that of "File".

- File (Within 1023 bytes)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/preaction/path␣
↪--set <File> --nocheck
```

Note: If you specify "Script created with this product", specify **preaction.bat**.

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/preaction/path␣
↪--set preaction.bat --nocheck
```

- Timeout (sec)

  Default, 5 (minimum, 1; maximum, 9999)

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/preaction/timeout␣
↪--set <Value>
```

- Exec User

```
clpcfadm.py mod -t monitor/wlsw@wlsw1/emergency/preaction/account␣
↪--set <Exec User>
```

[95] Cannot be specified with "Recovery target type" set to "cls" or "grp".
[96] Cannot be specified with "Recovery target type" set to "cls".

8.51.3 Deleting a WebLogic monitor resource

Delete a resource by specifying the monitor resource type and monitor resource name.

```
clpcfadm.py del mon wlsw wlsw1
```

CHAPTER

NINE

RETRIEVING AN ENCRYPTED PASSWORD STRING

The clpcfadm.py command cannot retrieve encrypted password strings.
See "Reference" in the following table, then carry out the applicable procedure.

Authentication password	Reference
Cluster WebUI authentication (for operation) Cluster WebUI authentication (for reference)	*Retrieving an encrypted password string with Cluster WebUI/Cluster WebUI Offline*
Other than the above	*Retrieving an encrypted password string with the clpencrypt command*

9.1 Retrieving an encrypted password string with Cluster WebUI/Cluster WebUI Offline

Retrieve an encrypted password string as follows:

1. Import any set of cluster configuration data through Cluster WebUI or Cluster WebUI Offline.
2. On Cluster WebUI or Cluster WebUI Offline, set relevant passwords.
3. Click **Export**, then save the cluster configuration data to any directory.
4. Extract the zip file that you saved above, and then open clp.conf with a text editor.
5. Check relevant path values.

Example: Cluster WebUI authentication

```
<root>
    <webmgr>
        <security>
            <adminpwd>
↪ca978112ca1bbdcafac231b39a23dc4da786eff8147c4e72b9807785afee48bb</
↪adminpwd>
            <userpwd>
↪3e23e8160039594a33894f6564e1b1348bbd7a0088d42c4acb73eeaed59c009d</
↪userpwd>
        </security>
    </webmgr>
</root>
```

Password for Operation
ca978112ca1bbdcafac231b39a23dc4da786eff8147c4e72b9807785afee48bb
Password for Reference
3e23e8160039594a33894f6564e1b1348bbd7a0088d42c4acb73eeaed59c009d

9.2 Retrieving an encrypted password string with the clpencrypt command

Retrieve an encrypted password string by executing the following command:

```
clpencrypt <password (plaintext)>
```

CHAPTER

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NOTES AND RESTRICTIONS

- For strings that can be entered for parameters, and for prohibited strings, see the corresponding chapters of "EXPRESSCLUSTER X Reference Guide"
- When specifying a file (e.g., script file), place the file in the same path on each server.

  Example Desired script file specified in the Recovery Action of a monitor resource

  ```
  clpcfadm.py mod -t monitor/<Monitor resource type>@<Monitor␣
  ↪resource name>/emergency/preaction/path --set <Desired script␣
  ↪file>
  ```

- The command execution examples provided in this guide may require escape characters, which depends on the shell that you execute.

CHAPTER

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LEGAL NOTICE

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CHAPTER

TWELVE

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1st	Apr 15, 2024	New manual
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