



TopologyCmd  
Batch Registration and Setting Detail Confirmation of  
Monitoring Definitions  
File Specifications



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## Revision History

Edition	Chapter/Section	Details
First Edition	-	-
2nd Edition	-	Application Navigator was added to the supported products.
	General	General revision of the content of this manual
3rd Edition	4.2.2	Description of NATIVEID Key was revised.
	12.2.2 Chapter 12	Application Navigator SAP monitoring function was added to the supported products.
4th Edition	5.2	Description of EXPORT information for schedule setting was added.
	6.2	
	7.2.2	Description of SAVELOGNAME key was added.
	4.1	Description of the following key was added.
	4.2.2	PROCESSSPACE
	8.1	BACKUPLOG
8.2.2	BACKUPLOGNAME1	

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# 1. Preface

This document consists of the file specifications for batch registration and setting detail confirmation of the topology view monitoring definitions performed by executing commands on the manager for MasterScope MISSION CRITICAL OPERATIONS Ver. 3.7.0/SystemManager Ver. 5.6.0/Application Navigator Ver. 3.3.0.1 or later.

## 2. Overview of file specifications

The topology view manages the agents in the system collectively and monitors the status. In addition to the conventional procedure to update the agent monitoring definitions from the console, a function to perform batch registration of agent monitoring definitions by applying the monitoring definitions described in a file in advance to the agents using a command line (this function is hereafter referred to as “import”) is provided. A function to output the agent monitoring definitions to a file is also provided (this function is hereafter referred to as “export”). A manually updated monitoring definition file can be directly applied to agents through import. Moreover, the setting details can be confirmed in the file through export.

This document describes the file specifications to import and export using the command line on the manager. Import files and export files share the same specifications. This document describes the file specifications on the assumption of import file creation.

The file specifications vary depending on the agent monitoring function (service), and therefore they are described separately for each monitoring function. The list of monitoring functions that file specifications are described for in this document is shown below.

- [Topology view](#)
- [Performance monitoring](#)
- [Process monitoring](#)
- [Windows service monitoring](#)
- [Application log monitoring](#)
- [Syslog monitoring](#)
- [Event log monitoring](#)
- [File monitoring](#)
- [System](#)
- [Application management](#)

[Note]

- Monitoring functions that are not output during export cannot be used during import.
- Parameters that cannot be registered by batch registration such as the reporting settings and schedule settings must be specified in the dialog box. See Help.
- The supported platforms vary depending on the product. For details, see “TopologyCmd command manager platforms for each MasterScope product” below.
- The monitoring function “System” only supports Windows platforms.
- The settings for “Message Monitor” and “Service port Monitor” displayed when SystemManager is installed do not apply to import/export.
- This function can be used to monitor remote hosts. Note that there are precautions specific to the remote host monitoring. For details, see the following sections.
- “2.3 Notes on remote monitoring agent”
- “4.2.2 (6) Extended performance monitoring object section [GROUP\_EXTEND]” in Chapter 4 “Performance monitoring function”
- 

TopologyCmd command manager platforms for each MasterScope product

MasterScope product name	Manager Platform √: Supported		
	Windows	HP-UX (IPF)	Linux
MISSION CRITICAL OPERATIONS	√	√	√
SystemManager	√	√	√
Application Navigator	√	Not Support	Not Support

## **2.1 Common specifications for monitoring functions (services)**

The following precautions apply when creating an import file using the monitoring function of an agent (service), there are the following precautions.

- For import and export using the command line, see “MasterScope MISSION CRITICAL OPERATIONS/SystemManager/Application Navigator Command Reference (Help differences) TopologyCmd LIST / TopologyCmd IMPORT / TopologyCmd EXPORT”.
- Create an import file for each monitoring function (service), and store the import files in the same directory. During export, an export file is created in the same directory for each monitoring function (service).
- The import file name of each function can be specified with any character string within 17 characters. However, the topology view is an exception, and “Topology.txt” must be specified. Note that the file name of the export file is fixed and cannot be specified during export.
- The character encoding and line feed codes of the import and export files when using the TopologyCmd command are “Character encoding: SJIS/Line feed code: CR+LF” for Windows manager, and “Character encoding: UTF-8 (without BOM)/Line feed code: LF” for UNIX manager (HP-UX (IPF) and Linux).
- Indents are added using the tab character in the file description examples in this document to improve readability, however deleting indents does not cause any problems. To add an indent, the tab character and one-byte spaces can be used. The export file is created with indents added using the tab character.
- The file is composed of a header part and a definition part. The product name, monitoring function name, etc., are described in the header part, and the definition details of the monitoring function are described in the definition part in the section ([XXX] to [END\_XXX/ENDXXX]) and Key=Value formats. Sections have a hierarchy structure, and either a section or a Key, or both, are described in a section. A section without a parent section is described as the “root section”.
- For the items where [Required] is described in the description in the “Value” column, the Key=Value line must be described when creating the import file. Items without [Required] are optional and the Key=Value line can be omitted. If it is omitted, the default value is applied.
- Items where “min. value to max. value” is described in the description in the “Value” column indicate the support range. Be sure to specify a value within the support range.
- Items for which “Do not describe when XXX=0” is described might be output during export. Monitoring operations are not affected if items that include such description are imported.
- Parameters that cannot be registered by batch registration such as the reporting settings and schedule settings must be specified in the dialog box.
- “!” which indicates negation must be specified directly before “=” as in “Key!=Value”. If a space is inserted, it is recognized as part of the Key.
- To use a comment, add “#” at the beginning of a line to make the line recognized as a comment line.
- Some functions are not provided depending on the agent, and the functions that do not exist are skipped in the [“Import/export section of each monitoring function”](#) in the topology view during import.

## **2.2 Notes on importing/exporting from console**

### **2.2.1 Notes on export file**

- Files are created with Unicode character encoding during export on the console. However, System (configuration information monitoring) files are created with SJIS character encoding even if exported on the console.
- To import a file exported on the console using the TopologyCmd command, change the character encoding and line feed codes of the file to “Character encoding: SJIS/Line feed code: CR+LF” for Windows manager, and “Character encoding: UTF-8 (without BOM)/Line feed code: LF” for UNIX manager (HP-UX (IPF) and Linux) before executing the command.

### **2.2.2 Notes on import file**

- To import on the console, create a file with “Character encoding: Unicode/Line feed code: CR+LF”. However, create it in SJIS for System (the configuration information monitoring) even during import on the console.

- In the application management function, files that have been manually created and edited and files exported with TopologyCmd can only be imported by using the TopologyCmd command. (Such files cannot be imported on the console.)
- Some functions are not provided depending on the agent, and the functions that are not described in the [“Import/export section of each monitoring function”](#) in the topology view are skipped during import.
- In the exported file, the item name "USERCONFIGURATION" in the [“Application instance section”](#), which is a section of the application management function, is output under the item name "CONFIGURATION" with a Base 64 encoded password for connection definition. When describing a plain text password when creating an import file based on the export file, change the item name to "USERCONFIGURATION". When describing a Base 64 encoded password, use "CONFIGURATION" as is.

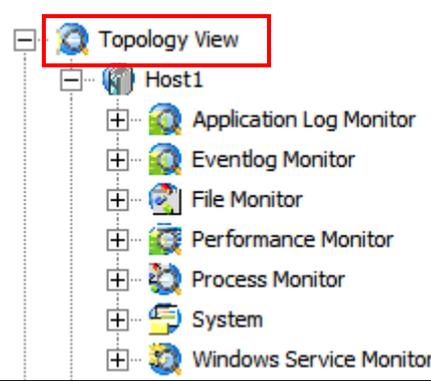
## **2.3 Notes on remote monitoring agent**

- The remote monitoring agent is displayed in the result of TopologyCmd LIST, however it does not support TopologyCmd IMPORT and TopologyCmd EXPORT. (The management information and authentication information of a remote host, which are the setting items for the remote monitoring agent, do not support import and export.)

### 3. Topology view

This chapter explains the description details of the import and export files for the topology view.

Service name	Topology view
Service ID	1
Import file name	Topology.txt
Export file name	Topology.txt



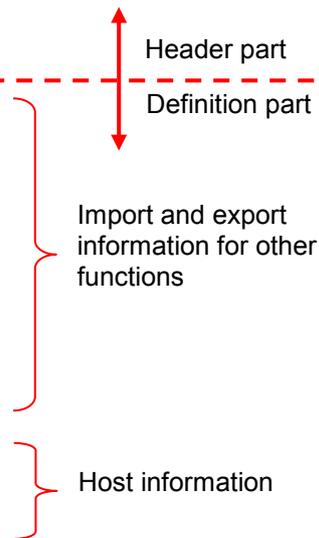
#### 3.1 Overview

An import file example of the topology view is shown below.

```

FILE: Unified Management Framework
DESCRIPTION:
FUNCTION:TopologyView
VERSION:2.0
-----
[RELATED_SERVICE]
    SERVICE001=8,"Process monitoring",Process.txt
    SERVICE002=9,"Windows service monitoring",NTService.txt
    SERVICE003=7,"Performance monitoring",Performance.txt
    SERVICE004=12,"Application log monitoring",ApLog.txt
    SERVICE005=48,"Event log monitoring",EventLog.txt
    SERVICE006=78,"File monitoring",FileMonitor.txt
    SERVICE007=14,"System",System.txt
    SERVICE008=41,"ApplicationMonitor",ApplicationMonitor.txt
[END_RELATED_SERVICE]

[HOST]
    HOSTNAME=Host1
[END_HOST]
    
```



## 3.2 Details

### 3.2.1 Header part

As the character strings in the header part are fixed describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
DESCRIPTION:	: Not used (Fixed)
FUNCTION:TopologyView	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 3.2.2 Definition part

The definition part of the topology view is composed of the following two sections.

- Import/export section of each monitoring function
- Host information section

#### (1) Import/export section of each monitoring function [RELATED\_SERVICE]

The section between the following start tag and end tag is the import/export information section.

Start tag: [RELATED\_SERVICE]

End tag: [END\_RELATED\_SERVICE]

Root section. Describe the import/export information of each monitoring function in one line in this section.

Key	Value
SERVICEnnn	<Monitoring function ID>,"<Monitoring function name>",<Import/export file name>

\* nnn is described in ascending order such as 001, 002 and so on.

For the monitoring function names and monitoring function IDs, see the table below.

Monitoring function name	Monitoring function ID
Performance monitoring	7
Process monitoring	8
Windows service monitoring	9
Application log monitoring	12
Syslog monitoring	44
Event log monitoring	48
File monitoring	78
System	14
Application management	41

Note that the available functions vary depending on the products and agent machine platforms to be used. Describe the available functions in reference to “MasterScope products for each monitoring function” and “Agent platforms for each monitoring function” below.

#### MasterScope products for each monitoring function

Monitoring function name	MasterScope product name √: Monitoring function installed		
	MISSION CRITICAL OPERATIONS	SystemManager	Application Navigator
Performance monitoring	√	√	√
Process monitoring	√	√	√
Windows service monitoring	√	√	√
Application log monitoring	√	√	√
Syslog monitoring	√	√	√
Event log monitoring	√	√	√
File monitoring	Not Installed	√	√
System	√	√	√
Application management	Not Installed	Not Installed	√

Agent platforms for each monitoring function

Monitoring function name	Agent Platform √: Monitoring function installed				
	Windows	HP-UX	Linux	Solaris	AIX
Performance monitoring	√	√	√	√	√
Process monitoring	√	√	√	√	√
Windows service monitoring	√	Not Installed	Not Installed	Not Installed	Not Installed
Application log monitoring	√	√	√	√	√
Syslog monitoring	Not Installed	√	√	√	√
Event log monitoring	√	Not Installed	Not Installed	Not Installed	Not Installed
File monitoring	√	√	√	√	√
System	√	√	√	√	√
Application management	√	√	√	√	Not Installed

**(2) Host information section [HOST]**

The section between the following start tag and end tag is the host information section.

Start tag: [HOST]

End tag: [END\_HOST]

Root section. Describe the agent definition.

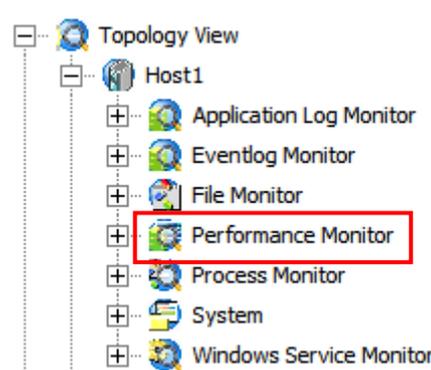
The description of this section ([HOST] to [END\_HOST]) cannot be omitted. (HOSTNAME as a key can be omitted, however, this section must be described.)

Key	Value
HOSTNAME	<Host name> - This is ignored when described in an import file. The host name of the export target is output during export.

## 4. Performance monitoring

This chapter explains the description details of the import and export files for the performance monitoring function.

Service name	Performance monitoring
Service ID	7
Import file name	Any name (up to 17 characters)
Export file name	Performance.txt



### 4.1 Overview

An import file example of the performance monitoring function is shown below.

```

FILE:Unified Management Framework
FUNCTION:PerformanceMonitor
VERSION:2.0
-----
[GROUP_0]
  INTERVAL=30
  [GROUP_1]
    OBJECTNAME=LogicalDisk
    SERVICEID=21
    [GROUP_2]
      INSTANCENAME=C:
      [COUNTER]
        NATIVEID=4ad702c9
        COUNTERNAME=% Disk Time
        COLOR=000000ff
        WIDTH=1
        SCALE=0
        LOG=0
        MONITORTYPE=1
        COUNT=4
        UPPERERROR=50.000000000000000000
      [END_COUNTER]
    [END_GROUP_2]
  [END_GROUP_1]
[GROUP_1]
  OBJECTNAME=Memory
  SERVICEID=21
  [COUNTER]
    NATIVEID=4ad70320
    COUNTERNAME=Available Bytes
    COLOR=000000ff
    WIDTH=1
    SCALE=-6
    LOG=0
    MONITORTYPE=0
    COUNT=2
    LOWERWARNING=100.000000000000000000
  
```

Diagram annotations:

- A red dashed horizontal line separates the header from the definition part.
- A red double-headed vertical arrow on the right side spans from the header part to the definition part, labeled "Header part" and "Definition part".
- A red bracket on the right side encompasses the counter definitions for LogicalDisk and Memory, labeled "Performance monitoring definition".

```

[END_COUNTER]
[COUNTER]
    NATIVEID=4ad7031f
    COUNTERNAME=Cache Bytes Peak
    COLOR=0000ffff
    WIDTH=1
    SCALE=-5
    LOG=1
    MONITORTYPE=0
    COUNT=2
[END_COUNTER]
[END_GROUP_1]
[GROUP_1]
    OBJECTNAME=Extend Process
    SERVICEID=106
[GROUP_2]
    INSTANCENAME=Explorer.EXE
[COUNTER]
    NATIVEID=4ad71a4a
    COUNTERNAME=% Privileged Time
    COLOR=000000ff
    WIDTH=1
    SCALE=0
    LOG=0
    MONITORTYPE=1
    COUNT=2
    LOWERERROR=1.000000000000000000
[END_COUNTER]
[END_GROUP_2]
[END_GROUP_1]
[END_GROUP_0]
[PERFORMANCE_EXTEND]
[GROUP_EXTEND]
    OBJECTNAME=Extend Process
[INSTANCE_EXTEND]
    INSTANCENAME=Explorer.EXE
    PROCESSSPACE=64
    COMMANDLINENAME=C:\\WINDOWS\\Explorer\\EXE
[END_INSTANCE_EXTEND]
[ENDGROUP_EXTEND]
[END_PERFORMANCE_EXTEND]

```

} Extended performance monitoring definition (Extend Process)

## 4.2 Details

### 4.2.1 Header part

As the character strings in the header part are fixed describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
FUNCTION:PerformanceMonitor	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 4.2.2 Definition part

The definition part of the performance monitoring function is composed of the following seven sections.

- Performance monitoring section
- Object section
- Instance section
- Counter section
- Extended performance monitoring section
- Extended performance monitoring object section
- Extended performance monitoring instance section

#### (1) Performance monitoring section [GROUP\_0]

The performance monitoring section is a section that includes the object section, instance section and counter section.

The section between the following start tag and end tag is the performance monitoring section.

Start tag: [GROUP\_0]

End tag: [END\_GROUP\_0]

Root section. Describe the entire definition of the performance monitoring function.

Key	Value
INTERVAL	Monitoring interval (unit: second) - This is ignored when described in an import file. The monitoring interval is output during export.

#### (2) Object section [GROUP\_1]

The object section is a section that includes the instance section and counter section (\*1).

(\*1) Note that the instance section is not included for an object in which an instance does not exist.

The section between the following start tag and end tag is the object section.

Start tag: [GROUP\_1]

End tag: [END\_GROUP\_1]

Place this section within [GROUP\_0], and describe the definition of the monitoring object.

Key	Value
OBJECTNAME	Object name (up to 128 characters) [Required]
SERVICEID	21 (Fixed) As an exception, specify 106 for OBJECTNAME=Extend Process (extended performance monitoring object). * Default: 21

#### (3) Instance section [GROUP\_2]

The instance section is a section included in the object section of an object that has a monitoring instance. The instance section includes the counter section.

The section between the following start tag and end tag is the instance section.

Start tag: [GROUP\_2]

End tag: [END\_GROUP\_2]

Place this section within [GROUP\_1], and describe the definition of the monitoring instance. This section is not described when the object does not have an instance.

Key	Value
INSTANCENAME	Instance name (up to 128 characters) [Required]

**(4) Counter section [COUNTER]**

The counter section is a section included in the instance section for an object that has the monitoring instance, and is included in the object section for an object that does not have the monitoring instance.

The section between the following start tag and end tag is the counter section.

Start tag: [COUNTER]

End tag: [END\_COUNTER]

Place this section within [GROUP\_2] for an object that has an instance and within [GROUP\_1] for an object that does not have an instance, and describe the definition of the monitoring counter.

Key	Value
NATIVEID	Counter ID (8-digit hexadecimal) - The counter ID is output during export to restore monitoring history information when definitions are deleted by mistake, etc. When editing the export file and using it as an import file, leave the exported ID as is, or delete this key. When creating a new import file definition, do not specify this key.
COUNTERNAME	Counter name (up to 128 characters) [Required]
COLOR	Color of graph line (RGB 8-digit hexadecimal) * Default: 00000000 (Black)
WIDTH	Width of graph line 1: Narrow * Default 2: Medium 3: Wide
SCALE	Graph scale -8: 0.00000001 times                      0: 1 time * Default -7: 0.0000001 times                        1: 10 times -6: 0.000001 times                         2: 100 times -5: 0.00001 times                         3: 1000 times -4: 0.0001 times                            4: 10000 times -3: 0.001 times                             5: 100000 times -2: 0.01 times                               6: 1000000 times -1: 0.1 times                                7: 10000000 times
LOG	ON/OFF for "Store the historical data to file" 0: OFF Disabled * Default 1: ON Enabled
MONITORTYPE	Threshold judgment 0: Sequential * Default 1: Continuous 2: Average
COUNT	Threshold judgment count (2 to 16) * Default: 2 - Do not describe when MONITORTYPE =0.
UPPERERROR	Upper anomalous threshold (Double value of -9999999999999999 to 9999999999999999) * Default: No threshold monitoring - It is output to 18 decimal places during export. (e.g. 50.000000000000000000)
UPPERWARNING	Upper warning threshold (Double value of -9999999999999999 to 9999999999999999) * Default: No threshold monitoring - It is output to 18 decimal places during export. (e.g. 50.000000000000000000)
LOWERWARNING	Lower warning threshold (Double value of -9999999999999999 to 9999999999999999) * Default: No threshold monitoring - It is output to 18 decimal places during export. (e.g. 50.000000000000000000)

Key	Value
LOWERERROR	Lower anomalous threshold (Double value of -9999999999999999 to 9999999999999999) * Default: No threshold monitoring - It is output to 18 decimal places during export. (e.g. 50.000000000000000000)

\* To specify a threshold for more than one from UPPERERROR, UPPERWARNING, LOWERWARNING and LOWERERROR, the magnitude relation of the values must be UPPERERROR > UPPERWARNING > LOWERWARNING > LOWERERROR.

**(5) Extended performance monitoring section [PERFORMANCE\_EXTEND]**

The extended performance monitoring section, extended performance monitoring object section and extended performance monitoring instance section are described only when extended performance monitoring is used (only when the Extend Process object is specified and used in performance monitoring).

The extended performance monitoring section is a section that includes the extended performance monitoring object section and extended performance monitoring instance section.

The section between the following start tag and end tag is the extended performance monitoring section.

Start tag: [PERFORMANCE\_EXTEND]

End tag: [END\_PERFORMANCE\_EXTEND]

Root section. Describe the monitoring settings of the extended performance monitoring.

**(6) Extended performance monitoring object section [GROUP\_EXTEND]**

The extended performance monitoring object section is a section that includes the extended performance monitoring instance section.

The section between the following start tag and end tag is the extended performance monitoring object section.

Start tag: [GROUP\_EXTEND]

End tag: [ENDGROUP\_EXTEND]

Place this section within [PERFORMANCE\_EXTEND], and describe the definition of the monitoring object (Extend Process only) for the extended performance monitoring.

Describe this definition only when extended performance monitoring (Extend Process) is used.

Key	Value
OBJECTNAME	Extend Process (Fixed) [Required]

[Note]

Do not describe this section when monitoring remote hosts.

**(7) Extended performance monitoring instance section [INSTANCE\_EXTEND]**

The extended performance monitoring instance section is a section that includes proprietary items only.

The section between the following start tag and end tag is the extended performance monitoring instance section.

Start tag: [INSTANCE\_EXTEND]

End tag: [END\_INSTANCE\_EXTEND]

Place this section within [GROUP\_EXTEND], and describe the definition of the instance (process) monitored by the extended performance monitoring (Extend Process).

Describe this definition only when extended performance monitoring (Extend Process) is used.

Key	Value
INSTANCENAME	Display name (up to 128 characters) [Required]
PROCESSSPACE	Process exploration (1 to 65535) * Default: 64
COMMANDLINENAME	Command line (up to 4,096 characters) [Required]

\* The monitoring definitions (object, instance, and counter) of Extend Process must be described in the standard (in the [GROUP\_0] section) performance monitoring definitions. At this point, specify the same value for the value of INSTANCENAME. For details, see "4.1 Overview".

## 5. Process monitoring

This chapter explains the description details of the import and export files for the process service monitoring function.

Service name	Process monitoring
Service ID	8
Import file name	Any name (up to 17 characters)
Export file name	Process.txt

### 5.1 Overview

An import file example of the process monitoring function is shown below.

<pre> FILE:Unified Management Framework FUNCTION:ProcessMonitor VERSION:2.0 ----- [GROUP_0]   INTERVAL=30   [GROUP_1]     DISPLAYNAME=Group1     ICONNAME=C:\Program Files\NEC\UMF\xxx\icon\etc\AAA.ico     [GROUP_1]       DISPLAYNAME=Group1-1       ICONNAME=       [GROUP_2]         DISPLAYNAME=Group1-1-1         ICONNAME= C:\Program Files\NEC\UMF\xxx\icon\etc\BBB.ico         [PROCESS]           PROCESSNAME=Explorer.EXE           TYPE=0           PROCESSPATH=C:\WINDOWS\Explorer.EXE           COMMANDLINE=C:\\WINDOWS\\Explorer\\.EXE           PROCESSLOWTHRESHOLD=1           PROCESSHIGHTHRESHOLD=5           STARTCOMMAND=C:\AAA\BBB\DummyCmd.exe           STARTDIRECTORY=C:\AAA\BBB           STARTOPTION=-start           STOPCOMMAND=C:\AAA\BBB\DummyCmd.exe           STOPDIRECTORY=C:\AAA\BBB           STOPOPTION=-stop           MONITORPROCESSID=1         [END_PROCESS]       [PROCESS]         PROCESSNAME=snmp.exe         TYPE=1         PROCESSPATH=C:\WINDOWS\System32\snmp.exe         COMMANDLINE=C:\\WINDOWS\\System32\\snmp\\.exe         PROCESSLOWTHRESHOLD=1         PROCESSHIGHTHRESHOLD=1       [END_PROCESS] </pre>	
--	--

```

                                [END_GROUP_2]
                            [END_GROUP_1]
                        [END_GROUP_1]
                    [END_GROUP_0]

```

## 5.2 Details

### 5.2.1 Header part

As the character strings in the header part are fixed describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
FUNCTION:ProcessMonitor	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 5.2.2 Definition part

The definition part of the process monitoring function is composed of the following four sections.

- Process monitoring section
- Group node section
- Monitoring node section
- Monitoring setting section

#### (1) Process monitoring section [GROUP\_0]

The process monitoring section is a section that includes the group node section, monitoring node section and monitoring setting section.

The section between the following start tag and end tag is the process monitoring section.

Start tag: [GROUP\_0]

End tag: [END\_GROUP\_0]

Root section. Describe the entire definition of the process monitoring function.

Key	Value
INTERVAL	Monitoring interval (unit: second) - This is ignored when described in an import file. The monitoring interval is output during export.

**(2) Group node section [GROUP\_1]**

The group node section is a section included in the process monitoring section or in the group node section that is the parent group on the console.

The group node section includes a group node section of a child group on the console, or the monitoring node section and monitoring setting section.

The section between the following start tag and end tag is the group node section.

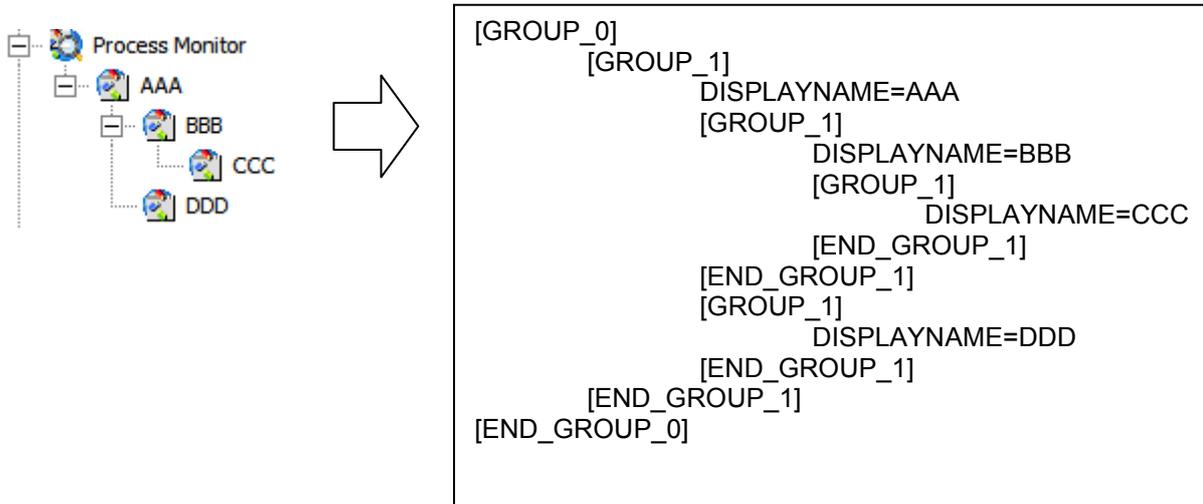
Start tag: [GROUP\_1]

End tag: [END\_GROUP\_1]

Place this section within [GROUP\_0] or [GROUP\_1] that is the parent group, and describe the definition of the process group.

The node described in [GROUP\_1] is a node that has a child node or a child group in the tree view, and does not have the settings for the monitoring process. [GROUP\_1] or [GROUP\_2] must be described in [GROUP\_1]. Note that [GROUP\_1] must be described in a nested structure similarly to the hierarchy structure displayed in the tree view.

Description example of hierarchy structure



Key	Value
DISPLAYNAME	Process group name (up to 64 characters) [Required]
ICONNAME	Absolute path name of the icon file for the process group node (up to 256 characters) * Default: Use the default icon - The specified icon file must be registered in advance to the machine where the console is installed.

**(3) Monitoring node section [GROUP\_2]**

The monitoring node section is a section included in the group node section.

The monitoring node section includes the monitoring setting section.

The section between the following start tag and end tag is the monitoring node section.

Start tag: [GROUP\_2]

End tag: [END\_GROUP\_2]

Place this section within [GROUP\_1] that is the parent group, and describe the definition of the monitoring process.

The node described in [GROUP\_2] is the terminal node to specify the monitoring process settings, and does not have a child node (child group) in the tree view. [PROCESS] must be described in [GROUP\_2].

Key	Value
DISPLAYNAME	Monitoring process node name (up to 64 characters) [Required]
ICONNAME	Absolute path name of the icon file for the node (up to 256 characters) * Default: Use the default icon - The specified icon file must be registered in advance to the machine where the console is installed.

#### (4) Monitoring setting section [PROCESS]

The monitoring setting section is a section included in the monitoring node section.

The section between the following start tag and end tag is the monitoring setting section.

Start tag: [PROCESS]

End tag: [END\_PROCESS]

Place this section within [GROUP 2], and describe the settings for the monitoring process.

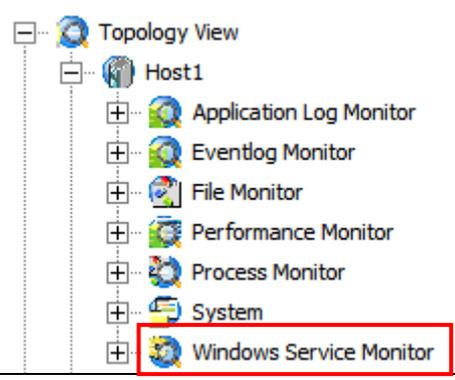
Key	Value
PROCESSNAME	Display name (up to 64 characters) [Required]
TYPE	Monitoring type 0: Monitor using process path * Default 1: Monitor using command line
PROCESSPATH	Specify the monitoring process using the absolute path (up to 256 characters) [Required when TYPE=0]
COMMANDLINE	Command line (up to 256 character) [Required when TYPE=1] - Describe this key using a regular expression. (When using meta characters such as a period (.) and yen mark (\) (characters with special meanings for the regular expression) as normal characters, add “\” immediately before the meta character to escape.) For the regular expression, see Help.
PROCESSLOWTHRESHOLD	Lower limit of process count (1 to 9999) * Default: 1
PROCESSHIGHTHRESHOLD	Upper limit of process count (1 to 9999) * Default: 9999
STARTCOMMAND	Specify the start command application using the absolute path. (up to 256 characters)
STARTDIRECTORY	Specify the work directory of the start command using the absolute path. (up to 256 characters)
STARTOPTION	Option for the start command (up to 256 characters)
STOPCOMMAND	Specify the stop command application using the absolute path. (up to 256 characters)
STOPDIRECTORY	Specify the work directory of the stop command using the absolute path. (up to 256 characters)
STOPOPTION	Option for the stop command (up to 256 characters)
MONITORPROCESSID	ON/OFF for “Check the difference of Process ID” 0: OFF Disabled * Default 1: ON Enabled
Schedule	ON/OFF for schedule setting (update is not supported when using IMPORT) 0: OFF Disabled * Default 1: ON Enabled
ScheduleID	Linkage ID for the schedule management function (update is not supported when using IMPORT)

\* Specify PROCESSLOWTHRESHOLD and PROCESSHIGHTHRESHOLD so that the magnitude relation of their values is PROCESSLOWTHRESHOLD <= PROCESSHIGHTHRESHOLD.

## 6. Windows service monitoring

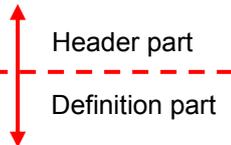
This chapter explains the description details of the import and export files for the Windows service monitoring function.

Note that the settings described in this chapter can be performed only for Windows agents.

Service name	Windows service monitoring 
Service ID	9
Import file name	Any name (up to 17 characters)
Export file name	NTService.txt

### 6.1 Overview

An import file example of the Windows service monitoring function is shown below.

<pre> FILE:Unified Management Framework FUNCTION:NTServiceMonitor VERSION:2.0 ----- [GROUP_0]   INTERVAL=30   [GROUP_1]     DISPLAYNAME=Group1     ICONNAME= C:\Program Files\NEC\UMF\xxx\icon\etc\AAA.ico     [GROUP_1]       DISPLAYNAME=Group1-1       ICONNAME= C:\Program Files\NEC\UMF\xxx\icon\etc\BBB.ico       [GROUP_2]         DISPLAYNAME=Group1-1-1         ICONNAME= C:\Program Files\NEC\UMF\xxx\icon\etc\CCC.ico         [SERVICE]           SERVICENAME=Alerter           DISPLAYNAME=Alerter         [END_SERVICE]         [SERVICE]           SERVICENAME=Eventlog           DISPLAYNAME=Event Log         [END_SERVICE]       [END_GROUP_2]     [END_GROUP_1]   [END_GROUP_0]   [GROUP_2]     DISPLAYNAME=Group2     [SERVICE]       SERVICENAME=TIntSvr       DISPLAYNAME=Telnet     [END_SERVICE]   [END_GROUP_2] [END_GROUP_0] </pre>	 <p>Header part</p> <p>Definition part</p>
--	---

## 6.2 Details

### 6.2.1 Header part

As the character strings in the header part are fixed describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
FUNCTION:NTServiceMonitor	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 6.2.2 Definition part

The definition part of the Windows service monitoring function is composed of the following four sections.

- Windows service monitoring section
- Group node section
- Monitoring node section
- Monitoring setting section

#### (1) Windows service monitoring section [GROUP\_0]

The Windows service monitoring section is a section that includes the group node section, monitoring node section and monitoring setting section.

The section between the following start tag and end tag is the Windows service monitoring section.

Start tag: [GROUP\_0]

End tag: [END\_GROUP\_0]

Root section. Describe the entire definition of the Windows service monitoring function.

Key	Value
INTERVAL	Monitoring interval (unit: second) - This is ignored when described in an import file. The monitoring interval is output during export.

#### (2) Group node section [GROUP\_1]

The group node section is a section included in the Windows service monitoring section or in the group node section that is the parent group on the console.

The group node section includes a group node section of a child group on the console, or the monitoring node section and monitoring setting section.

The section between the following start tag and end tag is the group node section.

Start tag: [GROUP\_1]

End tag: [END\_GROUP\_1]

Place this section within [GROUP\_0] or [GROUP\_1] that is the parent group, and describe the definition of the Windows service group.

The node described in [GROUP\_1] is a node that has a child node or a child group in the tree view, and does not have the settings for the monitoring service. [GROUP\_1] or [GROUP\_2] must be described in [GROUP\_1]. Note that [GROUP\_1] must be described in a nested structure similarly to the hierarchy structure displayed in the tree view. The method to describe items in a hierarchy structure is the same as "Group node section [GROUP\_1]" in "[Process monitoring](#)".

Key	Value
DISPLAYNAME	Windows service group name (up to 64 characters) [Required]
ICONNAME	Absolute path name of the icon file for the Windows service group node (up to 256 characters) * Default: Use the default icon - The specified icon file must be registered in advance to the machine where the console is installed.

### (3) Monitoring node section [GROUP\_2]

The monitoring node section is a section included in the group node section.

The monitoring node section includes the monitoring setting section.

The section between the following start tag and end tag is the monitoring node section.

Start tag: [GROUP\_2]

End tag: [END\_GROUP\_2]

Place this section within [GROUP\_1] that is the parent group, and describe the definition of the monitoring service.

The node described in [GROUP\_2] is the terminal node to specify the monitoring service settings, and does not have a child node (child group) in the tree view. [SERVICE] must be described in [GROUP\_2].

Key	Value
DISPLAYNAME	Monitoring service node name (up to 64 characters) [Required]
ICONNAME	Absolute path name of the icon file for the node (up to 256 characters) * Default: Use the default icon - The specified icon file must be registered in advance to the machine where the console is installed.

### (4) Monitoring setting section [SERVICE]

The monitoring setting section is a section included in the monitoring node section.

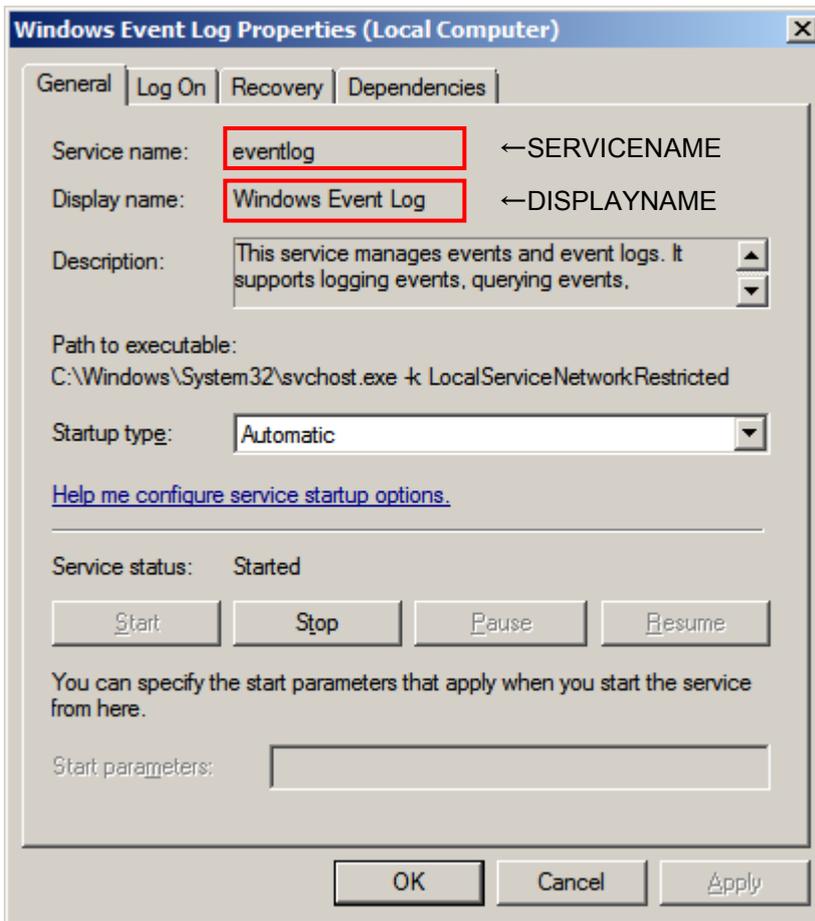
The section between the following start tag and end tag is the monitoring setting section.

Start tag: [SERVICE]

End tag: [END\_SERVICE]

Place this section within [GROUP\_2], and describe the settings for the monitoring service.

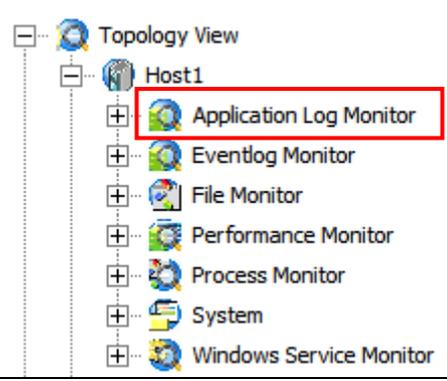
Key	Value
SERVICENAME	Service name (up to 256 characters) [Required] - Open the properties dialog box of the monitored service, and transcribe the contents of the displayed "Service name".
DISPLAYNAME	Display name (up to 128 characters) [Required] - Open the properties dialog box of the monitored service, and transcribe the contents of the displayed "Display name".
Schedule	ON/OFF for schedule setting (update is not supported when using IMPORT) 0: OFF Disabled * Default 1: ON Enabled
ScheduleID	Linkage ID for the schedule management function (update is not supported when using IMPORT)



## 7. Application log monitoring

This chapter explains the description details of the import and export files for the application log monitoring function.

Service name	Application log monitoring
Service ID	12
Import file name	Any name (up to 17 characters)
Export file name	ApLog.txt



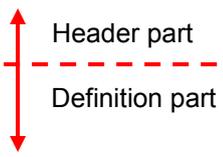
### 7.1 Overview

An import file example of the application log monitoring function is shown below.

```

FILE:Unified Management Framework
FUNCTION:ApLogMonitor
VERSION:2.0
-----
[GROUP_0]
  INTERVAL=10
  [APPLICATION]
    DISPLAYNAME=ApLog1
    APLOGNAME=C:\Logfile\Log1.txt
    LOSTPOS=1
    SHAREDISK=0
    CODEPAGE=20127
    [MESSAGE]
      MESSAGEID=9999
      MESSAGEIGNORE=0
      MESSAGEIGNOREINTERVAL=10
      MESSAGEIGNORERESET=0
      MESSAGEIGNOREPASSDELETE=0
    [END_MESSAGE]
  [END_APPLICATION]
[GROUP_1]
  DISPLAYNAME=Group1
  ICONNAME=
  [GROUP_1]
    DISPLAYNAME=Group1-1
    ICONNAME=C:\Program Files\NEC\UMF\xxx\icon\etc\AAA.ico
  [GROUP_1]
    DISPLAYNAME=Group1-1-1
    ICONNAME=C:\Program Files\NEC\UMF\xxx\icon\etc\BBB.ico
  [APPLICATION]

```



```
DISPLAYNAME=ApLog2
ICONNAME=C:\Program Files\xxx\icon\etc\DDD.ico
APLOGNAME=C:\Logfile\Log2.txt
BACKUPLOG=1
BACKUPLOGNAME1=C:\Logfile\backup\OldLog1.txt
BACKUPLOGNAME2=C:\Logfile\backup\OldLog2.txt
BACKUPLOGNAME3=C:\Logfile\backup\OldLog3.txt
BACKUPLOGNAME4=C:\Logfile\backup\OldLog4.txt
BACKUPLOGNAME5=C:\Logfile\backup\OldLog5.txt
BACKUPLOGNAME6=C:\Logfile\backup\OldLog6.txt
BACKUPLOGNAME7=C:\Logfile\backup\OldLog7.txt
BACKUPLOGNAME8=C:\Logfile\backup\OldLog8.txt
LOSTPOS=1
SHAREDISK=1
CODEPAGE=932
PLURALLINE=1
SENDLINE=4
SENDWAIT=1000
HEADLINE=AAA
[MESSAGE]
    MESSAGENAME=MessageDel
    TYPE=1
    MESSAGETEXT!=XXX
    MESSAGEIGNORE=0
    MESSAGEIGNOREINTERVAL=10
    MESSAGEIGNORERESET=0
    MESSAGEIGNOREPASSDELETE=0
[END_MESSAGE]
[MESSAGE]
    MESSAGENAME=Message1
    CATEGORY=Application
    SEVERITY=257
    NODE=Host1
    APPLICATION=ApLog2
    OBJECT=Object
    MESSAGEID=12345
    MESSAGETEXT=AAA
    SELPOS=(1, "BBB", =)
    SELKEY!=("KEY", "1", <>)
    SELKEY=("KEY", "2", =)
    TYPE=0
    MESSAGEIGNORE=0
    MESSAGEIGNOREINTERVAL=10
    MESSAGEIGNORERESET=0
    MESSAGEIGNOREPASSDELETE=0
[END_MESSAGE]
[END_APPLICATION]
[END_GROUP_1]
[END_GROUP_1]
[END_GROUP_1]
[END_GROUP_0]
```

## 7.2 Details

### 7.2.1 Header part

As the character strings in the header part are fixed, describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
FUNCTION:ApLogMonitor	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 7.2.2 Definition part

The definition part of the application log monitoring function is composed of the following four sections.

- Application log monitoring section
- Group node section
- Monitoring setting section
- Filter definition section

#### (1) Application log monitoring section [GROUP\_0]

The application log monitoring section is a section that includes the group node section, monitoring setting section and filter definition section.

The section between the following start tag and end tag is the application log monitoring section.

Start tag: [GROUP\_0]

End tag: [END\_GROUP\_0]

Root section. Describe the entire definition of the application log monitoring function.

Key	Value
INTERVAL	Monitoring interval (unit: second) - This is ignored when described in an import file. The monitoring interval is output during export.

#### (2) Group node section [GROUP\_1]

The group node section is a section included in the application log monitoring setting section or in the group node section that is the parent group on the console.

The group node section includes a group node section of a child group on the console, or the monitoring setting section and filter definition section.

The section between the following start tag and end tag is the group node section.

Start tag: [GROUP\_1]

End tag: [END\_GROUP\_1]

Place this section within [GROUP\_0] or [GROUP\_1] that is the parent group, and describe the definition of the application log group.

[GROUP\_1] must be described in a nested structure similarly to the hierarchy structure displayed in the tree view. Note that the method to describe items in a hierarchy structure is the same as "Group node section [GROUP\_1]" in "[Process monitoring](#)".

Key	Value
DISPLAYNAME	Application log group name (up to 64 characters) [Required]
ICONNAME	Absolute path name of the icon file for the application log group node (up to 256 characters) * Default: Use the default icon - The specified icon file must be registered in advance to the machine where the console is installed.

### (3) Monitoring setting section [APPLICATION]

The monitoring setting section is a section included in the application log monitoring section or the group node section.

The monitoring setting section includes the filter definition section.

The section between the following start tag and end tag is the monitoring setting section.

Start tag: [APPLICATION]

End tag: [END\_APPLICATION]

Place this section within [GROUP\_0] or [GROUP\_1] that is the parent group. Describe the definition of the monitored application log.

Key	Value
DISPLAYNAME	Application log name (up to 32 characters) [Required]
ICONNAME	Absolute path name of the icon file for the application log node (up to 256 characters) * Default: Use the default icon - The specified icon file must be registered in advance to the machine where the console is installed.
APLOGNAME	Absolute path name of the application log file (up to 256 characters) [Required]
BACKUPLOG	ON/OFF for "Monitor" for backup files 0: OFF Disabled * Default 1: ON Enabled
BACKUPLOGNAME1 : BACKUPLOGNAME8	Absolute path name of the backup log file (up to 256 characters) [Required at least 1 name when BACKUPLOG=1] - Do not describe when BACKUPLOG=0. - Describe the names in the BACKUPLOGNAME <sub>n</sub> format where "n" is the number in ascending order such as 1, 2, and so on, and up to 8 names can be specified. - "n" in "BACKUPLOGNAME <sub>n</sub> " corresponds to [No.] displayed for the backup file items on the console, and the specified files are monitored in ascending order starting from the file with the smallest number.
LOSTPOS	ON/OFF for "Messages of all logs transmit, when continuance of monitoring is impossible" 0: OFF Disabled * Default 1: ON Enabled
SHAREDISK	ON/OFF for "Monitoring file is on the shared disk" 0: OFF Disabled * Default 1: ON Enabled
SAVELOGNAME	ON/OFF for "When setting replacement text, a log file is compared." 0: OFF Disabled * Default 1: ON Enabled
CODEPAGE	Character encoding 20932: Japanese (JIS 0208-1990 and 0212-1990) 50220: Japanese (JIS) 932: Japanese (Shift-JIS) 1200: Unicode 1201: Unicode (Big-Endian) 65001: Unicode (UTF-8) 20127: US-ASCII * Default
PLURALLINE	ON/OFF for "Monitoring two or more lines" for the specified number of lines 0: OFF Disabled * Default 1: ON Enabled
SENDLINE	Maximum number of lines to specify (2 to 10) * Default: 2 - Invalid value when PLURALLINE=0.
SENDWAIT	Maximum wait time for the specified number of lines (milliseconds) (500 to 5000) * Default: 500 - Invalid value when PLURALLINE=0.

Key	Value
HEADLINE	First line text for the specified number of lines (up to 1,024 characters) [Required when PLURALLINE=1] - Invalid value when PLURALLINE=0.
COMMANDCONTROL	ON/OFF for the pre-monitoring command execution function 0 : OFF Disabled * Default 1 : ON Enabled
COMMANDNAME	Specify the command path of the pre-monitoring command execution function using the absolute path. (up to 256 characters) - Invalid value when COMMANDCONTROL=0.
WORKDIRECTORY	For commands to use the work directory of the pre-monitoring command execution function, be sure to specify the absolute path. (up to 256 characters) - Invalid value when COMMANDCONTROL=0.
COMMANDOPTION	Command option for the pre-monitoring command execution function (up to 2,046 characters) - Invalid value when COMMANDCONTROL=0.
COMMANDRETCOUNT	Return value when the command of the pre-monitoring command execution function succeeds (0 to 32767) * Default: 0 - Invalid value when COMMANDCONTROL=0.
FAILEDMONITER	ON/OFF for the failure monitoring of the pre-monitoring command execution function 0: OFF Disabled * Default 1: ON Enabled - Invalid value when COMMANDCONTROL=0.
TIMEOUTCOUNT	Timeout value of the pre-monitoring command execution function (unit: second) (0 to 3600) * Default: 0 (0 means "no timeout judgment".) - Invalid value when COMMANDCONTROL=0.
COMMANDSKIP	ON/OFF for the timeout monitoring of the pre-monitoring command execution function 0: OFF Disabled * Default 1: ON Enabled - Invalid value when COMMANDCONTROL=0.

#### (4) Filter definition section [MESSAGE]

The filter definition section is a section included in the monitoring setting section.

Multiple filter definition sections (as many as the number of filter definitions) can be described in one monitoring setting section. When multiple filter definitions exist, describe first the filter to be checked first (the filter at the top in the "Filter Setting" dialog box), then the second one, and so on.

The section between the following start tag and end tag is the filter definition section.

Start tag: [MESSAGE]

End tag: [END\_MESSAGE]

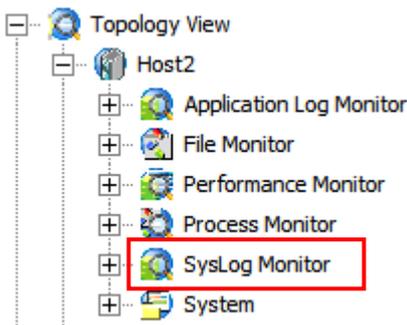
Place this section within [APPLICATION], and describe the filter definition of the application log defined in [APPLICATION].

Key	Value
MESSAGENAME	Message overview of the "Filter Setting" tab (up to 256 characters) [Required]
CATEGORY	Category of the "Display Setting" tab (up to 32 characters) [Required]
SEVERITY	Specify the severity of the "Display Setting" tab using the severity ID. (See <a href="#">List of severity IDs</a> ) [Required]
NODE	Node of the "Display Setting" tab (up to 256 characters) [Required]
APPLICATION	Application of the "Display Setting" tab (up to 32 characters) [Required]
OBJECT	Object of the "Display Setting" tab (up to 32 characters) [Required]
MESSAGEID	Message ID of the "Display Setting" tab (up to 128 characters) [Required]
TYPE	Type of the "Filter Setting" tab 0: Store * Default 1: Delete
MESSAGETEXT MESSAGETEXT!	Message text of the "Filter Setting" tab (up to 1,024 characters) - Describe MESSAGETEXT when "Not" is OFF, and MESSAGETEXT! when "Not" is ON. Only one of MESSAGETEXT and MESSAGETEXT! can be described.

Key	Value
SELPOS SELPOS!	Position specification of the "Filter Setting" tab - Describe SELPOS when "Not" is OFF, and SELPOS! when "Not" is ON. Up to 8 items can be specified in total for both SELPOS and SELPOS!. - The value is specified in the format of (<Position>, "<Comparison value>", <Condition>). <Position>: 1 to 1,024 <Comparison value>: Up to 64 characters <Condition>: =, <>, >=, >, <= or <
SELKEY SELKEY!	Key specification of the "Filter Setting" tab - Describe SELKEY when "Not" is OFF, and SELKEY! when "Not" is ON. Up to 8 items can be specified in total for both SELKEY and SELKEY!. - The value is specified in the format of (<Key value>, "<Comparison value>", <Condition>). <Key value>: Up to 64 characters <Comparison value>: Up to 64 characters <Condition>: =, <>, >=, >, <= or <
MESSAGEIGNORE	ON/OFF for the message suppression function 0: OFF Disabled * Default 1: ON Enabled
MESSAGEIGNOREINTERVAL	Monitoring interval of the message suppression function (unit: second) (1 to 3,600) * Default: 10
MESSAGEIGNORERESET	ON/OFF for the message suppression function reset 0 : OFF Disabled * Default 1 : ON Enabled
MESSAGEIGNOREPASSDELETE	Suppression operation of the message suppression function [Required] 0 : When multiple logs that match the filter are detected during the monitoring interval of the message suppression function, a message is output for the first detected log and the subsequent logs are deleted without being reported. (Logs that matched this filter are not checked or reported even when a filter with priority lower than this filter is specified.) 1 : When multiple logs that match the filter are detected during the monitoring interval of the message suppression function, a message is output for the first detected log and the subsequent logs are not checked for the filter. (When a filter with priority lower than this filter exists, the subsequent logs are checked for the lower priority filter sequentially and a message is output when a log matches the lower priority filter.)

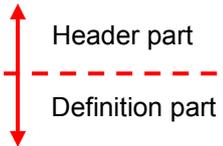
## 8. Syslog monitoring

This chapter explains the description details of the import and export files for the syslog monitoring function. Note that the settings described in this chapter can be performed only for UNIX agents.

Service name	Syslog monitoring 
Service ID	44
Import file name	Any name (up to 17 characters)
Export file name	SysLog.txt

### 8.1 Overview

An import file example of the syslog monitoring function is shown below.

<pre>FILE:Unified Management Framework FUNCTION:SysLogMonitor VERSION:2.0 ----- [SYSLOG]   SYSLOG=/var/adm/syslog/mail.log   SAMEMESSAGE=0   LOSTPOS=1   CHARCODE=100   [MESSAGE]     MESSAGENAME=Default Filter     TYPE=0     CATEGORY=mail.log     SEVERITY=264     NODE=Host2     APPLICATION=0000     OBJECT=0000     MESSAGEID=0000     MESSAGEIGNORE=0     MESSAGEIGNOREINTERVAL=10     MESSAGEIGNORERESET=0     MESSAGEIGNOREPASSDELETE=0   [END_MESSAGE] [END_SYSLOG] [SYSLOG]   SYSLOG=/var/adm/syslog/syslog.log   BACKUPLOG=1   BACKUPLOGNAME1=/var/adm/syslog/syslog.log.1   SAMEMESSAGE=1   SAMEMESSAGECOUNT=1024   SAMEMESSAGEINTERVAL=10   SAMEMESSAGERESET=1   SAMEMESSAGENUMERIC=1   LOSTPOS=1   CHARCODE=3   [MESSAGE]     MESSAGENAME=Message1     TYPE=0</pre>	
---	--

```

CATEGORY=syslog.log
SEVERITY=261
NODE=Host2
APPLICATION=XXX
OBJECT=YYY
MESSAGEID=1111
MESSAGETEXT=AAAAA
SELPOS=(3, "1", >=)
SELKEY=("BBB", "2", =)
MESSAGEIGNORE=0
MESSAGEIGNOREINTERVAL=10
MESSAGEIGNORERESET=0
MESSAGEIGNOREPASSDELETE=0
[END_MESSAGE]
[END_SYSLOG]

```

## 8.2 Details

### 8.2.1 Header part

As the character strings in the header part are fixed, describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
FUNCTION:SysLogMonitor	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 8.2.2 Definition part

The definition part of the syslog monitoring function is composed of the following two sections.

- Monitoring setting section
- Filter definition section

#### (1) Monitoring setting section [SYSLOG]

The monitoring setting section is a section that includes the filter definition section.

The section between the following start tag and end tag is the monitoring setting section.

Start tag: [SYSLOG]

End tag: [END\_SYSLOG]

Root section. Describe the syslog monitoring definitions.

Key	Value
SYSLOG	Syslog name (up to 256 characters) [Required] - Use the monitoring window to confirm the syslog name.
BACKUPLOG	ON/OFF for "Specify File Name" 0: OFF Disabled * Default 1: ON Enabled
BACKUPLOGNAME1	Absolute path name for backup log file (up to 256 characters) [Required when BACKUPLOG=1]
SAMEMESSAGE	ON/OFF for "Use Ignore Function" of the identical message suppression function 0: OFF Disabled * Default 1: ON Enabled
SAMEMESSAGECOUNT	Message count of the identical message suppression function (256 to 4,096) * Default: 1024 - Invalid value when SAMEMESSAGE=0.
SAMEMESSAGEINTERVAL	Monitoring interval of the identical message suppression function (unit: second) (1 to 3,600) * Default: 10 - Invalid value when SAMEMESSAGE=0.
SAMEMESSAGERESET	ON/OFF for "Reset Option" of the identical message suppression function 0: OFF Disabled * Default 1: ON Enabled - Invalid value when SAMEMESSAGE=0.

Key	Value
SAMEMESSAGENUMERIC	ON/OFF for “Exclude Numeric Value” of the identical message suppression function 0: OFF Disabled * Default 1: ON Enabled - Invalid value when SAMEMESSAGE=0.
LOSTPOS	ON/OFF for “Messages of all logs transmit, when continuance of monitoring is impossible” 0: OFF Disabled 1: ON Enabled * Default
CHARCODE	Character encoding 0: ANSI 1: EUC 2: JIS 3: Shift-JIS 4: UTF16BE 5: UTF16LE 6: UTF8 100: Default value * Default - When 100 (default value) is specified, the monitoring is performed using EUC for Linux/Solaris agents, and Shift-JIS for HP-UX agents.
CHARCODE2	Character encoding (Code number specification) 20932: Japanese (JIS 0208-1990 and 0212-1990) 50220: Japanese (JIS) 932: Japanese (Shift-JIS) 1200: Unicode 1201: Unicode (Big-Endian) 65001: Unicode (UTF-8) 20127: US-ASCII 0 : Default value * Default - When 0 (default value) is specified, the monitoring is performed using EUC for Linux/Solaris agents, and Shift-JIS for HP-UX agents.

- When both CHARCODE and CHARCODE2 are specified, the character encoding of CHARCODE2 is used.
- When CHARCODE is not specified, the character encoding of the default value is used. In this case, the character encoding of CHARCODE2 is not used.
- When CHARCODE2 is not specified, the character encoding of CHARCODE2 is used.

## (2) Filter definition section [MESSAGE]

The filter definition section is a section included in the monitoring setting section.

Multiple filter definition sections (as many as the number of filter definitions) can be described in one monitoring setting section. When multiple filter definitions exist, describe first the filter to be checked first (the filter at the top in the “Filter Setting” dialog box), then the second one, and so on.

The section between the following start tag and end tag is the filter definition section.

Start tag: [MESSAGE]

End tag: [END\_MESSAGE]

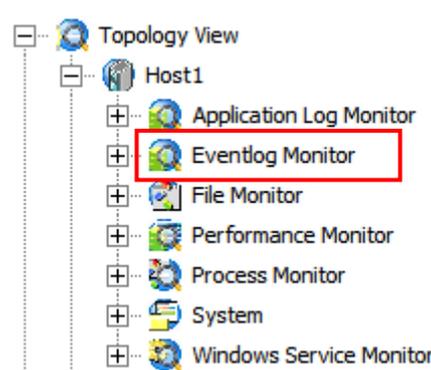
Place this section within [SYSLOG], and describe the filter definition of the syslog defined in [SYSLOG].

Key	Value
MESSAGENAME	Message overview of the “Filter Setting” tab (up to 256 characters) [Required]
CATEGORY	Category of the “Display Setting” tab (up to 32 characters) [Required]
SEVERITY	Specify the severity of the “Display Setting” tab using the severity ID. (See <a href="#">List of severity IDs</a> ) [Required]
NODE	Node of the “Display Setting” tab (up to 256 characters) [Required]
APPLICATION	Application of the “Display Setting” tab (up to 32 characters) [Required]
OBJECT	Object of the “Display Setting” tab (up to 32 characters) [Required]
MESSAGEID	Message ID of the “Display Setting” tab (up to 32 characters) [Required]
TYPE	Type of the “Filter Setting” tab 0: Store * Default 1: Delete
MESSAGETEXT MESSAGETEXT!	Message text of the “Filter Setting” tab (up to 1,024 characters) - Describe MESSAGETEXT when “Not” is OFF, and MESSAGETEXT! when “Not” is ON. Only one of MESSAGETEXT and MESSAGETEXT! can be described.

Key	Value
SELPOS SELPOS!	Position specification of the "Filter Setting" tab - Describe SELPOS when "Not" is OFF, and SELPOS! when "Not" is ON. Up to 8 items can be specified in total for both SELPOS and SELPOS!. - The value is specified in the format of (<Position>, "<Comparison value>", <Condition>). <Position>: 1 to 1,024 <Comparison value>: Up to 64 characters <Condition>: =, <>, >=, >, <= or <
SELKEY SELKEY!	Key specification of the "Filter Setting" tab - Describe SELKEY when "Not" is OFF, and SELKEY! when "Not" is ON. Up to 8 items can be specified in total for both SELKEY and SELKEY!. - The value is specified in the format of (<Key value>, "<Comparison value>", <Condition>). <Key value>: Up to 64 characters <Comparison value>: Up to 64 characters <Condition>: =, <>, >=, >, <= or <
MESSAGEIGNORE	ON/OFF for the message suppression function 0: OFF Disabled * Default 1: ON Enabled
MESSAGEIGNOREINTERVAL	Monitoring interval of the message suppression function (unit: second) (1 to 3,600) * Default: 10
MESSAGEIGNORERESET	ON/OFF for the message suppression function reset 0 : OFF Disabled * Default 1 : ON Enabled
MESSAGEIGNOREPASSDELETE	Suppression operation of the message suppression function [Required] 0 : When multiple logs that match the filter are detected during the monitoring interval of the message suppression function, a message is output for the first detected log and the subsequent logs are deleted without being reported. (Logs that matched this filter are not checked or reported even when a filter with priority lower than this filter is specified.) 1 : When multiple logs that match the filter are detected during the monitoring interval of the message suppression function, a message is output for the first detected log and the subsequent logs are not checked for the filter. (When a filter with priority lower than this filter exists, the subsequent logs are checked for the lower priority filter sequentially and a message is output when a log matches the lower priority filter.)

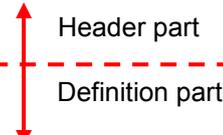
# 9. Event log monitoring

This chapter explains the description details of the import and export files for the event log monitoring function. Note that the settings described in this chapter can be performed only for Windows agents.

Service name	Event log monitoring 
Service ID	48
Import file name	Any name (up to 17 characters)
Export file name	EventLog.txt

## 9.1 Overview

An import file example of the even log monitoring function is shown below.

<pre>FILE:Unified Management Framework FUNCTION:EventLogMonitor VERSION:2.0 [EVENTLOG]   EVENTLOG=Application   SAMEMESSAGE=1   SAMEMESSAGECOUNT=1024   SAMEMESSAGEINTERVAL=10   SAMEMESSAGERESET=0   SAMEMESSAGENUMERIC=0   [MESSAGE]     MESSAGENAME=Message2     TYPE=1     NODE=XXX     MESSAGEIGNORE=0     MESSAGEIGNOREINTERVAL=10     MESSAGEIGNORERESET=0     MESSAGEIGNOREPASSDELETE=0   [END_MESSAGE]   [MESSAGE]     MESSAGENAME=Message1     TYPE=0     SEVERITY=2     OVERRIDING_SEVERITY=256     NODE=AAA     OVERRIDING_NODE=Host2     APPLICATION=BBB     OBJECT=CCC     MESSAGEID=9999     MESSAGETEXT=DDD     SELPOS=(3, "EEE", &lt;)     SELKEY!=(("KEY", "FFF", &lt;&gt;))     MESSAGEIGNORE=0     MESSAGEIGNOREINTERVAL=10     MESSAGEIGNORERESET=0     MESSAGEIGNOREPASSDELETE=0</pre>	
--	--

```

[END_MESSAGE]
[END_EVENTLOG]
[EVENTLOG]
    EVENTLOG=System
[MESSAGE]
    MESSAGENAME=Default Filter
    TYPE=0
    MESSAGEIGNORE=0
    MESSAGEIGNOREINTERVAL=10
    MESSAGEIGNORERESET=0
    MESSAGEIGNOREPASSDELETE=0

[END_MESSAGE]
[END_EVENTLOG]

```

## 9.2 Details

### 9.2.1 Header part

As the character strings in the header part are fixed, describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
FUNCTION:EventLogMonitor	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 9.2.2 Definition part

The definition part of the event log monitoring function is composed of the following two sections.

- Monitoring setting section
- Filter definition section

#### (1) Monitoring setting section [EVENTLOG]

The monitoring setting section is a section that includes the filter definition section.

The section between the following start tag and end tag is the monitoring setting section.

Start tag: [EVENTLOG]

End tag: [END\_EVENTLOG]

Root section. Describe the event log monitoring definitions.

Key	Value
EVENTLOG	Event log name (up to 32 characters) [Required] - Application, System, Security, or a custom log name - Use the monitoring window to confirm the custom log name.
SAMEMESSAGE	ON/OFF for "Use Ignore Function" of the identical message suppression function 0: OFF Disabled * Default 1: ON Enabled
SAMEMESSAGECOUNT	Message count of the identical message suppression function (256 to 4,096) * Default: 1024 - Invalid value when SAMEMESSAGE=0.
SAMEMESSAGEINTERVAL	Monitoring interval of the identical message suppression function (1 to 3,600) * Default: 10 - Invalid value when SAMEMESSAGE=0.
SAMEMESSAGERESET	ON/OFF for "Reset Option" of the identical message suppression function 0: OFF Disabled * Default 1: ON Enabled - Invalid value when SAMEMESSAGE=0.
SAMEMESSAGENUMERIC	ON/OFF for "Exclude Numeric Value" of the identical message suppression function 0: OFF Disabled * Default 1: ON Enabled - Invalid value when SAMEMESSAGE=0.

## (2) Filter definition section [MESSAGE]

The filter definition section is a section included in the monitoring setting section.

Multiple filter definition sections (as many as the number of filter definitions) can be described in one monitoring setting section. When multiple filter definitions exist, describe first the filter to be checked first (the filter at the top in the “Filter Setting” dialog box), then the second one, and so on.

The section between the following start tag and end tag is the filter definition section.

Start tag: [MESSAGE]

End tag: [END\_MESSAGE]

Place this section within [EVENTLOG], and describe the filter definition of the event log defined in [EVENTLOG].

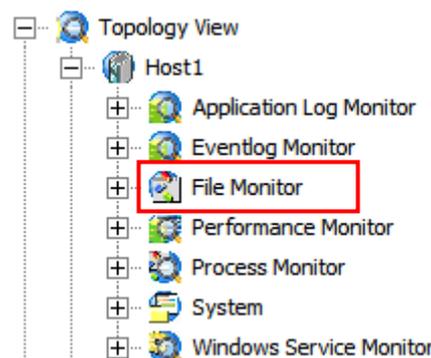
Key	Value
MESSAGENAME	Message overview of the “Filter Setting” tab (up to 256 characters) [Required]
TYPE	Type of the “Filter Setting” tab 0: Store * Default 1: Delete
SEVERITY SEVERITY!	Severity of the “Filter Setting” tab 1: Success 2: Error 3: Warning 5: Information 9: Audit of succession 17: Audit of failure - Describe SEVERITY when “Not” is OFF, and SEVERITY! When “Not” is ON. Only one of SEVERITY and SEVERITY! can be described.
OVERRIDING_SEVERITY	Specify “Overwrite Severity” on the “Display Setting” tab using the severity ID. (See <a href="#">List of severity IDs</a> )
NODE NODE!	Node of the “Filter Setting” tab (up to 256 characters) - Describe NODE when “Not” is OFF, and NODE! when “Not” is ON. Only one of NODE and NODE! can be described.
OVERRIDING_NODE	“Overwrite Node” on the “Display Setting” tab (up to 256 characters)
APPLICATION APPLICATION!	Application of the “Filter Setting” tab (up to 128 characters) - Describe APPLICATION when “Not” is OFF, and APPLICATION! when “Not” is ON. Only one of APPLICATION and APPLICATION! can be described.
OBJECT OBJECT!	Object of the “Filter Setting” tab (up to 128 characters) - Describe OBJECT when “Not” is OFF, and OBJECT! when “Not” is ON. Only one of OBJECT and OBJECT! can be described.
MESSAGEID MESSAGEID!	Message ID of the “Filter Setting” tab (up to 128 characters) - Describe MESSAGEID when “Not” is OFF, and MESSAGEID! when “Not” is ON. Only one of MESSAGEID and MESSAGEID! can be described.
MESSAGETEXT MESSAGETEXT!	Message text of the “Filter Setting” tab (up to 1,024 characters) - Describe MESSAGETEXT when “Not” is OFF, and MESSAGETEXT! when “Not” is ON. Only one of MESSAGETEXT and MESSAGETEXT! can be described.
SELPOS SELPOS!	Position specification of the “Filter Setting” tab - Describe SELPOS when “Not” is OFF, and SELPOS! when “Not” is ON. Up to 8 items can be specified in total for both SELPOS and SELPOS!. - The value is specified in the format of (<Position>, “<Comparison value>”, <Condition>). <Position>: 1 to 1,024 <Comparison value>: Up to 64 characters <Condition>: =, <>, >=, >, <= or <

Key	Value
SELKEY SELKEY!	<p>Key specification of the "Filter Setting" tab</p> <ul style="list-style-type: none"> <li>- Describe SELKEY when "Not" is OFF, and SELKEY! when "Not" is ON. Up to 8 items can be specified in total for both SELKEY and SELKEY!.</li> <li>- The value is specified in the format of (&lt;Key value&gt;, "&lt;Comparison value&gt;", &lt;Condition&gt;).</li> <li style="padding-left: 20px;">&lt;Key value&gt;: Up to 64 characters</li> <li style="padding-left: 20px;">&lt;Comparison value&gt;: Up to 64 characters</li> <li style="padding-left: 20px;">&lt;Condition&gt;: =, &lt;&gt;, &gt;=, &gt;, &lt;= or &lt;</li> </ul>
MESSAGEIGNORE	<p>ON/OFF for the message suppression function</p> <p>0: OFF Disabled * Default</p> <p>1: ON Enabled</p>
MESSAGEIGNOREINTERVAL	<p>Monitoring interval of the message suppression function (unit: second)</p> <p>(1 to 3,600)</p> <p>* Default: 10</p>
MESSAGEIGNORERESET	<p>ON/OFF for the message suppression function reset</p> <p>0: OFF Disabled * Default</p> <p>1: ON Enabled</p>
MESSAGEIGNOREPASSDELETE	<p>Suppression operation of the message suppression function [Required]</p> <p>0 : When multiple logs that match the filter are detected during the monitoring interval of the message suppression function, a message is output for the first detected log and the subsequent logs are deleted without being reported. (Logs that matched this filter are not checked or reported even when a filter with priority lower than this filter is specified.)</p> <p>1 : When multiple logs that match the filter are detected during the monitoring interval of the message suppression function, a message is output for the first detected log and the subsequent logs are not checked for the filter. (When a filter with priority lower than this filter exists, the subsequent logs are checked for the lower priority filter sequentially and a message is output when a log matches the lower priority filter.)</p>

# 10. File monitoring

This chapter explains the description details of the import and export files for the file monitoring function.

Service name	File monitoring
Service ID	78
Import file name	Any name (up to 17 characters)
Export file name	FileMonitor.txt



## 10.1 Overview

An import file example of the file monitoring function is shown below.

```

FILE:Unified Management Framework
FUNCTION:FileMonitor
VERSION:2.0
-----
[GROUP_0]
  INTERVAL=30
  [GROUP_1]
    DISPLAYNAME=Group1
    ICONNAME= C:\Program Files\NEC\UMF\xxx\icon\etc\AAA.ico
    [GROUP_1]
      DISPLAYNAME=Group1-1
      ICONNAME=
      [GROUP_2]
        DISPLAYNAME=Group1-1-1
        ICONNAME=
        [FILE]
          DISPLAYNAME=BBB.txt
          FILEPATH=C:\AAA\BBB.txt
          TYPE=0
          SUBDIRECTORY=0
          FILEUPDATE=1
          THRESHOLD=1
          ERRORTHRESHOLD=2
          ERRORUNIT=2
          WARNINGTHRESHOLD=1
          WARNINGUNIT=2
          JUDGETYPE=1
          JUDGECOUNT=5
        [END_FILE]
      [FILE]
        DISPLAYNAME=DDD
        FILEPATH=D:\CCC\DDD
        TYPE=1
        SUBDIRECTORY=1
        FILEUPDATE=0
        THRESHOLD=0
        ERRORTHRESHOLD=1
        ERRORUNIT=1
  
```



```

WARNINGTHRESHOLD=1
WARNINGUNIT=1
JUDGETYPE=0
JUDGECOUNT=2
                                [END_FILE]
                                [END_GROUP_2]
                                [END_GROUP_1]
                                [END_GROUP_1]
                                [GROUP_2]
                                DISPLAYNAME=Group2
                                ICONNAME=
                                [FILE]
                                DISPLAYNAME=XXX
                                FILEPATH=C:\XXX
                                TYPE=1
                                SUBDIRECTORY=0
                                FILEUPDATE=0
                                THRESHOLD=1
                                ERRORTHRESHOLD=1
                                ERRORUNIT=2
                                WARNINGTHRESHOLD=500
                                WARNINGUNIT=1
                                JUDGETYPE=0
                                JUDGECOUNT=2
                                [END_FILE]
                                [END_GROUP_2]
                                [END_GROUP_0]

```

## 10.2 Details

### 10.2.1 Header part

As the character strings in the header part are fixed, describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
FUNCTION:FileMonitor	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 10.2.2 Definition part

The definition part of the file monitoring function is composed of the following four sections.

- File monitoring section
- Group node section
- Monitoring node section
- Monitoring setting section

#### (1) File monitoring section [GROUP\_0]

The file monitoring section is a section that includes the group node section, monitoring node section and monitoring setting section.

The section between the following start tag and end tag is the file monitoring section.

Start tag: [GROUP\_0]

End tag: [END\_GROUP\_0]

Root section. Describe the entire definition of the file monitoring function.

Key	Value
INTERVAL	Monitoring interval (unit: second) - This is ignored when described in an import file. The monitoring interval is output during export.

#### (2) Group node section [GROUP\_1]

The group node section is a section included in the file monitoring section or in the group node section that is the parent group on the console.

The group node section includes a group node section of a child group on the console, or the monitoring node section and monitoring setting section.

The section between the following start tag and end tag is the group node section.

Start tag: [GROUP\_1]

End tag: [END\_GROUP\_1]

Place this section within [GROUP\_0] or [GROUP\_1] that is the parent group, and describe the definition of the file monitoring group.

The node described in [GROUP\_1] is a node that has a child node (child group) in the tree view, and does not have the settings for the monitoring file. [GROUP\_1] or [GROUP\_2] must be described in [GROUP\_1]. Note that [GROUP\_1] must be described in a nested structure similarly to the hierarchy structure displayed in the tree view. The method to describe items in a hierarchy structure is the same as “Group node section [GROUP\_1]” in [“Process monitoring”](#).

Key	Value
DISPLAYNAME	File monitoring group name (up to 64 characters) [Required]
ICONNAME	Absolute path name of the icon file for the file monitoring group node (up to 256 characters) * Default: Use the default icon - The specified icon file must be registered in advance to the machine where the console is installed.

### (3) Monitoring node section [GROUP\_2]

The monitoring node section is a section included in the group node section.

The monitoring node section includes the monitoring setting section.

The section between the following start tag and end tag is the monitoring node section.

Start tag: [GROUP\_2]

End tag: [END\_GROUP\_2]

Place this section within [GROUP\_1] that is the parent group, and describe the definition of the monitoring file. The node described in [GROUP\_2] is the terminal node to specify the monitoring file settings, and does not have a child node (child group) in the tree view. [FILE] must be described in [GROUP\_2].

Key	Value
DISPLAYNAME	Monitoring file node name (up to 64 characters) [Required]
ICONNAME	Absolute path name of the icon file for the node (up to 256 characters) * Default: Use the default icon - The specified icon file must be registered in advance to the machine where the console is installed.

### (4) Monitoring setting section [FILE]

The monitoring setting section is a section included in the monitoring node section.

The section between the following start tag and end tag is the monitoring setting section.

Start tag: [FILE]

End tag: [END\_FILE]

Place this section within [GROUP\_2]. Describe the monitoring file settings.

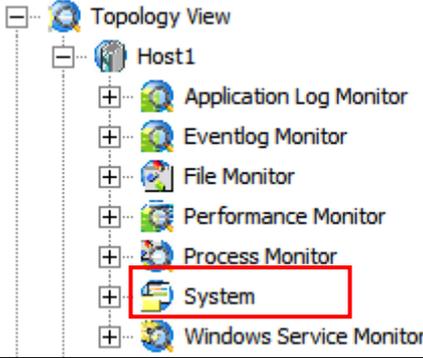
Key	Value
DISPLAYNAME	Display name (up to 64 characters) [Required]
FILEPATH	Absolute path of the monitoring target (up to 256 characters) [Required]
TYPE	Monitoring type 0: File * Default 1: Directory
SUBDIRECTORY	ON/OFF for “Subdirectory is included” of the directory monitoring 0: OFF Disabled * Default 1: ON Enabled - Invalid value when TYPE =0.
FILEUPDATE	ON/OFF for “File update is notified” 0: OFF Disabled * Default 1: ON Enabled - Invalid value when TYPE =0.
THRESHOLD	ON/OFF for “Capacity is observed” 0: OFF Disabled * Default 1: ON Enabled

Key	Value
ERRORTHRESHOLD	Anomalous threshold (1 to 9999) * Default: 1 - Invalid value when THRESHOLD=0. * The anomalous threshold is less than 8 EBytes. When ERRORUNIT=6(EByte) is specified, the anomalous threshold upper limit is 7. When ERRORUNIT=5(PByte) is specified, the anomalous threshold upper limit is 8191.
ERRORUNIT	Unit of anomalous threshold [Do not describe when THRESHOLD=0] 0: Byte 1: KByte * Default 2: MByte 3: GByte 4: TByte 5: PByte 6: EByte
WARNINGTHRESHOLD	Warning threshold (1 to 9999) * Default: 1 - Invalid value when THRESHOLD=0. * The warning threshold is less than 8 EBytes. When WARNINGUNIT=6(EByte) is specified, the warning threshold upper limit is 7. When WARNINGUNIT=5(PByte) is specified, the warning threshold upper limit is 8191.
WARNINGUNIT	Unit of warning threshold [Do not describe when THRESHOLD=0] 0: Byte 1: KByte * Default 2: MByte 3: GByte 4: TByte 5: PByte 6: EByte
JUDGETYPE	Threshold judgment 0: Sequential * Default 1: Continuous 2: Average
JUDGECOUNT	Threshold judgment count (2 to 16) * Default: 2 - Invalid value when JUDGETYPE=0.

\* To specify a threshold for each of ERRORTHRESHOLD and WARNINGTHRESHOLD, the magnitude relation of the values must be ERRORTHRESHOLD > WARNINGTHRESHOLD.

# 11. System

This chapter explains the description details of the import and export files for the system (configuration information monitoring).

Function name	System (Configuration information monitoring) 
Service ID	14
Import file name	Any name (up to 17 characters)
Export file name	System.txt

## 11.1 Overview

An import file example of the system (configuration information monitoring) is shown below. Note that only the import and export files of the system do not have the header part.

The format of the import and export files varies depending on the monitoring target, agent or remote host.

Specify using the following example format for each target.

### 1) Agent

<pre>[CompositionInformation] CompanyName="" UserName="" [Interval] DiskPoint=9999 DiskInterval=60 Diskflg=1 NetworkPoint=9999 NetworkInterval=60 Networkflg=0 SoftPoint=9999 SoftInterval=60 Softflg=0 SystemPoint=9999 SystemInterval=0 Systemflg=0 DevicePoint=9999 DeviceInterval=0 Deviceflg=0</pre>	Definition part
---	-----------------

### 2) Remote host

<pre>[CompositionInformation] CompanyName="" UserName="" StructureKey=RemoteAgent [Interval] RemoteAgentPoint=0 RemoteAgentInterval=60</pre>	Definition part
--	-----------------

## 11.2 Details

### 11.2.1 Header part

The system (configuration information monitoring) does not have the header part.

### 11.2.2 Definition part

The definition part of the system (configuration information monitoring) is composed of the following two sections.

- Configuration information section
- Monitoring interval section

#### (1) Configuration information section [CompositionInformation]

Items for an agent and a remote host differ.

##### 1. Agent

The configuration information section is a section that includes the monitoring interval section.

The section between the following start tag and the end of the file is the configuration information section.

Start tag: [CompositionInformation]

The company name and user name are described in the file monitoring section in the following format.

CompanyName="<Company name>"

UserName="<User name>"

The two items above are required items. Use two double quotation marks (") when the item is blank as shown below.

CompanyName=""

UserName=""

##### 2. Remote host

The configuration information section is a section that includes the monitoring interval section.

The section between the following start tag and the end of the file is the configuration information section.

Start tag: [CompositionInformation]

The company name and user name are described in the file monitoring section in the following format.

CompanyName="<Company name>"

UserName="<User name>"

The two items above are required items. Use two double quotation marks (") when the item is blank as shown below.

CompanyName=""

UserName=""

In addition, describe the following item in the file for a remote host.

StructureKey=RemoteAgent

This item is essential to recognize that the file is for a remote host. Double quotation marks (") are not necessary.

#### (2) Monitoring interval section [Interval]

The items for an agent and a remote host differ.

There are items of monitoring start point (~Point), monitoring interval (~Interval) and latest information (~flg) for each information type.

##### 1. Agent

The monitoring interval section is a section included in the configuration information section.

The section between the following start tag and the end of the file is the monitoring interval section.

Start tag: [Interval]

Describe the details of each item in the monitoring interval section as shown in the table below.

Item name	Details	Default	Required item for importing
DiskPoint	Specify an integer value (*1) for the start point to collect the disk information in the range from 0 to 2,359. Specify 9999 to use the agent startup time as the start point.	-	Required

Item name	Details	Default	Required item for importing
DiskInterval	Specify an integer value for the disk information collection interval in the range from 0 to 3,600 (unit: minute). Note that the information is collected only at agent startup when 0 is specified.	-	Required
Diskflg	Specify whether or not to display the latest information every time the disk information is displayed. 0 : Do not display the latest information. 1 : Always display the latest information.	-	Required
NetworkPoint	Specify an integer value (*1) for the start point to collect the network information in the range from 0 to 2,359. Specify 9999 to use the agent startup time as the start point.	-	Required
NetworkInterval	Specify an integer value for the network information collection interval in the range from 0 to 3,600 (unit: minute). Note that the information is collected only at agent startup when 0 is specified.	-	Required
Networkflg	Specify whether or not to display the latest information every time the network information is displayed. 0 : Do not display the latest information. 1 : Always display the latest information.	-	Required
SoftPoint	Specify an integer value (*1) for the start point to collect the software information in the range from 0 to 2,359. Specify 9999 to use the agent startup time as the start point.	-	Required
SoftInterval	Specify an integer value for the software information collection interval in the range from 0 to 3,600 (unit: minute). Note that the information is collected only at agent startup when 0 is specified.	-	Required
Softflg	Specify whether or not to display the latest information every time the software information is displayed. 0 : Do not display the latest information. 1 : Always display the latest information.	-	Required
SystemPoint	Specify an integer value (*1) for the start point to collect the system information in the range from 0 to 2,359. Specify 9999 to use the agent startup time as the start point.	-	Required
SystemInterval	Specify an integer value for the system information collection interval in the range from 0 to 3,600 (unit: minute). Note that the information is collected only at agent startup when 0 is specified.	-	Required
Systemflg	Specify whether or not to display the latest information every time the system information is displayed. 0 : Do not display the latest information. 1 : Always display the latest information.	-	Required
DevicePoint	Specify an integer value (*1) for the start point to collect the device information in the range from 0 to 2,359. Specify 9999 to use the agent startup time as the start point.	-	Required

Item name	Details	Default	Required item for importing
DeviceInterval	Specify an integer value for the device information collection interval in the range from 0 to 3,600 (unit: minute). Note that the information is collected only at agent startup when 0 is specified.	-	Required
Deviceflg	Specify whether or not to display the latest information every time the device information is displayed. 0 : Do not display the latest information. 1 : Always display the latest information.	-	Required

(\*1) Specify a value in the time format (HH:MM) but without a colon (:).

Example 1) Specify 1255 to use "12:55" as the start point.

Example 2) Specify 0 to use "00:00" as the start point.

## 2. Remote host

The monitoring interval section is a section included in the configuration information section.

The section between the following start tag and the end of the file is the monitoring interval section.

Start tag: [Interval]

Describe the details of each item in the monitoring interval section as shown in the table below.

The format of each item is as follows:

<Item name>=<Details>

Item name	Details	Default	Required item for importing
RemoteAgentPoint	Specify an integer value (*1) for the start point to collect the remote host information in the range from 0 to 2,359. (Unlike the agent, the startup time cannot be specified as the start point.)	-	Required
RemoteAgentInterval	Specify an integer value for the remote host information collection interval in the range from 0 to 1,440 (unit: minute). Note that the information is collected only on startup of the remote agent that monitors the remote host when 0 is specified.	-	Required

(\*1) Specify a value in the time format (HH:MM) but without a colon (:).

Example 1) Specify 1255 to use "12:55" as the start point.

Example 2) Specify 0 to use "00:00" as the start point.

The following rules are applied while importing a file that was exported from a remote host, to an agent.

- The monitoring interval and monitoring start point of the entire remote hosts are used as the monitoring interval and monitoring start point for each type.
- Since the specification for "Latest Information" is not valid for remote hosts, "Not Displays" is specified for each type.

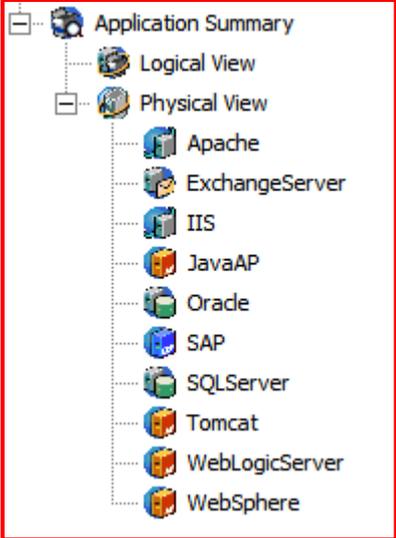
The following rules are applied while importing a file that was exported from an agent, to a remote host.

- The shortest monitoring interval among the monitoring intervals for all types except 0 is applied to the monitoring interval for the entire remote hosts.
  - Only when the monitoring intervals of all types are 0, 0 "When starting, it observes it" is applied to the monitoring interval for the entire remote hosts.
  - When "When starting, it observes it" is specified for the remote host monitoring interval, the configuration information of the monitoring target might not be displayed. If the configuration information is not displayed, obtain the latest information manually.
  - If the remote host monitoring interval is larger than the maximum value 1440, 1440 is applied to the remote host monitoring interval.
  - Only when the monitoring start points of all types are the same, it is applied to the monitoring start point for remote hosts.
- If they are not the same, [00:00] is applied to the monitoring start point.
- The specification for "Latest Information" is not valid for remote hosts.

## 12. Application management

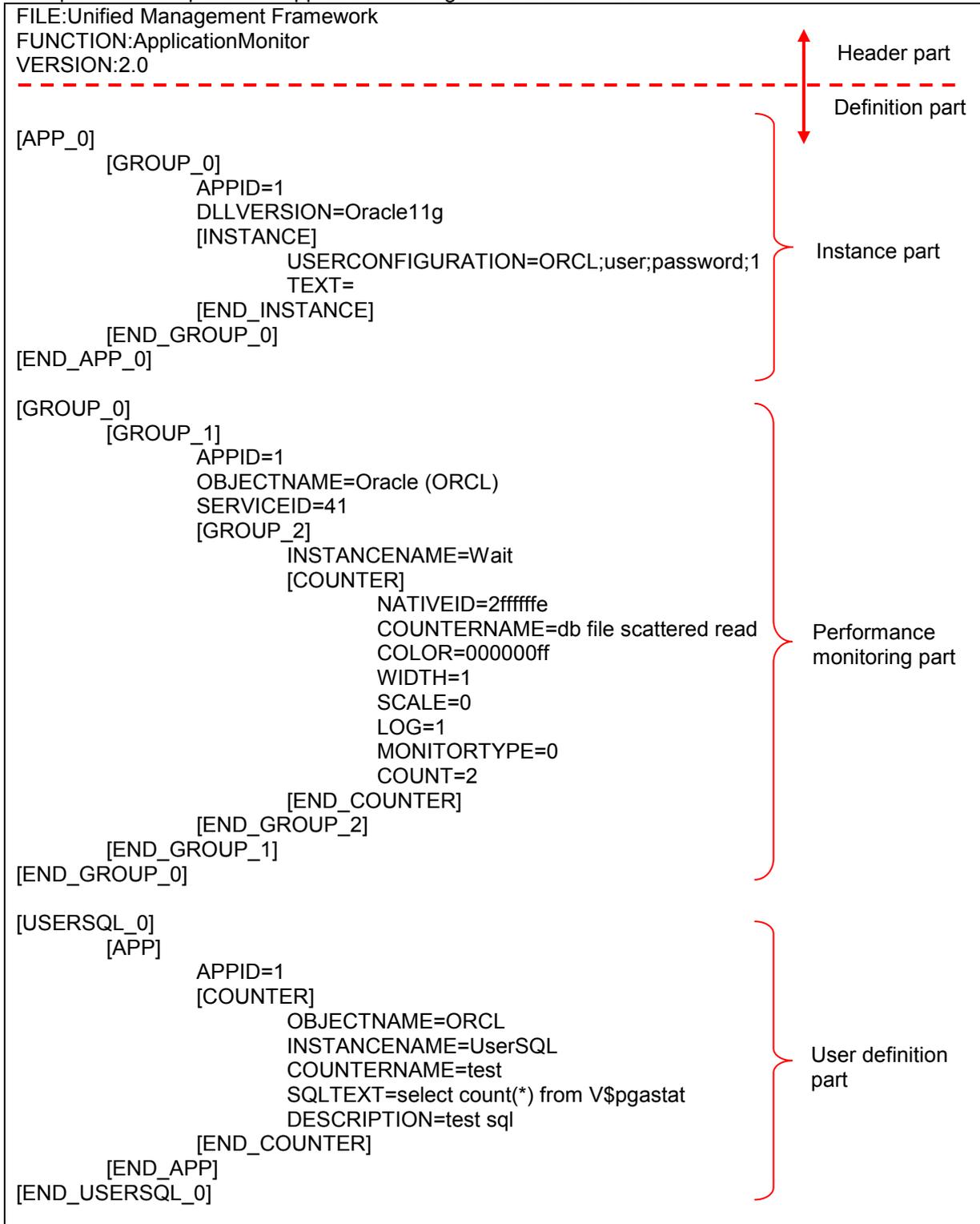
This chapter explains the description details of the import and export files for the application management function.

Note that the settings described in this chapter can be performed only for agents where Application Navigator agent is installed.

Function name	<p>Application management</p> 
Service ID	41
Import file name	Any name (up to 17 characters)
Export file name	ApplicationMonitor.txt

## 12.1 Overview

An import file example of the application management is shown below.



## 12.2 Details

### 12.2.1 Header part

As the character strings in the header part are fixed, describe the following information as is.

FILE:Unified Management Framework	: Product name (Fixed)
FUNCTION:ApplicationMonitor	: Function name (Fixed)
VERSION:2.0	: File version (Fixed)

### 12.2.2 Definition part

The definition part is composed of three parts, namely the instance part, performance monitoring part and user definition part.

#### (1) Instance part

The instance part includes the following sections.

- Instance section
- Monitoring application section
- Application instance section

#### (1-1) Instance section [APP\_0]

The instance section is a section that includes the monitoring application section and application instance section.

The section between the following start tag and end tag is the instance section.

Start tag: [APP\_0]

End tag: [END\_APP\_0]

#### (1-2) Monitoring application section [GROUP\_0]

The monitoring application section is a section included in the instance section.

It includes the application instance section.

The section between the following start tag and end tag is the monitoring application section.

Start tag: [GROUP\_0]

End tag: [END\_GROUP\_0]

Describe the details of each item in the monitoring application section as shown in the table below.

Item name	Details	Default	Required item for importing
APPID	Specify the monitoring application management ID by using a numeric value. 1 : Oracle 3 : SQLServer 11 : SAP	-	Required
DLLVERSION	Specify the application type to monitor by using a character string. The following four types can be specified. Oracle9i Oracle10g Oracle11g Oracle12c SQLServer SAP	-	Required

#### (1-3) Application instance section [INSTANCE]

The application instance section is a section included in the monitoring application instance.

The section between the following start tag and end tag is the application instance section.

Start tag: [INSTANCE]

End tag: [END\_INSTANCE]

Describe the details of each item in the application instance section as shown in the table below.

Item name	Details	Default	Required item for importing
USERCONFIGURATI ON or USERCONFIGURATI ON	Specify the definition of the connection to the application instance. Either CONFIGURATION or USERCONFIGURATION is required.The	-	Required

(*1)	details are described later.		
TEXT	Specify the description of the instance by using up to 255 characters. Specify “__NL__” to insert a line feed in the description.	-	Optional

(\*1) This item is output under the item name "CONFIGURATION" in the export file with a Base 64 encoded password for connection definition. When describing a plain text password when creating an import file based on the export file, change the item name to "USERCONFIGURATION". When describing a Base 64 encoded password, use "CONFIGURATION" as is.

■ A value specified for USERCONFIGURATION

● When the monitoring application is Oracle

The information is described in the following format: Note that the last character is fixed to “1”.

<Instance name>;<User name>;<Password>;1

The formats for <Instance name>, <User name> and <Password> are shown below.

Item name	Details	Default	Required item for importing
<Instance name>	Specify the Oracle net service name (connection identifier) to be connected by using up to 64 characters. Only one-byte alphanumeric characters and underscores (_) can be used. Note that a unique name in the application must be specified.	-	Required
<User name>	Specify a user with the SYSDBA authority by using up to 30 characters when the using the Password authentication . Leave this item blank when using the OS authentication.	-	Required when using the Password authentication
<Password>	Specify the password for the user specified in <User name> by using up to 30 characters when using the Password authentication. Leave this item blank when using the OS authentication.	-	Required when using the Password authentication

Example 1: To connect to the instance “orcl” using the OS authentication

orcl;;;1

Example 2: To specify a user “sys” and a password “password” for the instance “orcl”

orcl;sys;password;1

● When the monitoring application is SQLServer

The information is described in the following format:

<Instance name>;<User name>;<Password>;<Connection mode>

The formats for <Instance name>, <User name>, <Password> and <Connection mode> are shown below.

Item name	Details	Default	Required item for importing
<Instance name>	Specify the SQL Server host name (default instance) or [Host name\Instance name] (named instance) to be connected by using up to 64 characters. One-byte alphanumeric characters, underscores (_), periods (.), hyphens (-), percent marks (%) and backslashes (\) can be used. Note that a unique name in the application must be specified.	-	Required
<User name>	Specify “sa” (user with sysadmin authority) when using SQLServer authentication. Leave this item blank when using Windows authentication.	-	Required when using SQLServer authentication
<Password>	Specify the password for the “sa” user by using up to 30 characters when using SQLServer authentication. Only one-byte alphanumeric characters can be used. Leave this item blank when using Windows authentication.	-	Required when using SQLServer authentication

<Connection mode>	Specify the connection mode to be used by using a numeric value. 1 : SQLServer authentication 2 : Windows authentication	-	Required
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Example 1: To specify a user "sa" and a password "password" for the instance "ServerA", and connect using SQLServer authentication

ServerA;sa;password;1

Example 2: To connect to the instance "ServerA" using Windows authentication

ServerA;;;2

● When the monitoring application is SAP

The information is described in the following format:

<Instance name>; <Host name>; <System ID>; <Instance name>; <System number>; <Client>; <User name>; <Password>; <Language>

The formats for <Instance ID>, <Host name>, <System ID>, <Instance name>, <System number>, <Client>, <User name>, <Password>, and <Language> are shown below.

Item name	Details	Default	Required item for importing
<Instance ID>	Specify the ID for identification of the instance by using up to 64 characters. One-byte alphanumeric characters and underscores (_) can be used. Note that a unique name in the application must be specified.	—	Required
<Host name>	Specify the monitored host name by using up to 255 characters. Multi-byte characters cannot be used.	—	Required
<System ID>	Specify the SAP system ID by using up to 8 characters. Multi-byte characters cannot be used.	—	Required
<Instance name>	Specify the SAP instance name by using up to 20 characters. Multi-byte characters cannot be used.	—	Required
<System number>	Specify the system number of the SAP system by using up to 2 characters. Only one-byte numeric characters can be entered.	—	Required
<Client>	Specify the name of the client to which the SAP user belongs by using up to 3 characters (system number assigned to the connection destination dialog instance). Only one-byte numeric characters can be entered.	—	Required
<User name>	Specify the SAP user name by using up to 12 characters. Only ASCII characters (0x20-0x7F except for ";" (semicolon)) can be entered.	—	Required
<Password>	Specify the password of the SAP user name by using up to 12 characters. Only ASCII characters (0x20-0x7F except for ";" (semicolon)) can be entered.	—	Required
<Language>	Specify one of the following languages for connection. Japanese: JA English: EN	—	Required

Example: To specify Host name "localhost", System ID "EC6", Instance name "pluto\_EC6\_00", System number "00", Client "100", User name "appnavi", Password "password", and Language "JA" for Instance ID "SAP01"  
SAP01;localhost;EC6;pluto\_EC6\_00;00;100;appnavi;password;JA

■ Values specified for CONFIGURATION

● When the monitoring application is Oracle

The information is described in the following format: Note that the last character is fixed to "1" .

<Instance name>; <User name>; <Base64 encoded password>; 1

The formats for <Instance name>, <User name> and <Base64 encoded password> are shown below.

Item name	Details	Default	Required item for importing Required items
<Instance name>	Specify the Oracle net service name (connection identifier) to be connected by using up to 64 characters. Only one-byte alphanumeric characters and underscores (_) can be used. Note that a unique name in the application must be specified.	—	Required
<User name>	Specify a user with the SYSDBA authority by using up to 30 characters when using password authentication. Leave this item blank when using the OS authentication.	—	Required when using password authentication
<Base64 encoded password>	Specify the Base64 encoded value of the password of the user specified in <User name> when using password authentication. Specify a password of up to 30 characters before Base64 encoding. Leave this item blank when using the OS authentication.	—	Required when using password authentication

Example 1: To connect to the instance "orcl" using the OS authentication  
orcl;;1

Example 2: To specify a user "sys" and a password "password" for the instance "orcl"  
orcl;sys;cGFzc3dvcmQ;1  
(Specify the Base64 encoded string for Password)

Conversion for Base64 encoding can be performed by using Windows PowerShell.

Example: [System.Convert]::ToBase64String([System.Text.Encoding]::ASCII.GetBytes("password"))

- When the monitoring application is SQLServer

The information is described in the following format:

<Instance name>; <User name>; <Base64 encoded password>; <Connection mode>

The formats for <Instance name>, <User name>, <Base64 encoded password> and <Connection mode> are shown below.

Item name	Details	Default	Required item for importing の必須項目
<Instance name>	Specify the SQL Server host name (default instance) or [Host name\Instance name] (named instance) to be connected by using up to 64 characters. One-byte alphanumeric characters, underscores (_), periods (.), hyphens (-), percent marks (%) and backslashes (\) can be used. Note that a unique name in the application must be specified.	—	Required
<User name>	Specify "sa" (user with sysadmin authority) when using SQLServer authentication. Leave this item blank when using Windows authentication.	—	Required when using SQLServer authentication
<Base64 encoded password>	Specify the Base64 encoded value of the password of the sa user when using SQLServer authentication. Specify a password of up to 30 characters before Base64 encoding. Only one-byte alphanumeric characters can be used. Leave this item blank when using Windows authentication.	—	Required when using SQLServer authentication
<Connection mode>	Specify the connection mode to be used by using a numeric value. 1: SQLServer authentication 2: Windows authentication	—	Required

Example 1: To specify User "sa" and Password "password" for Instance "ServerA", and connect using SQLServer authentication

ServerA;sa;cGFzc3dvcnQ;1

(Specify the Base64 encoded string for Password)

Conversion for Base64 encoding can be performed by using Windows PowerShell.

Example: [System.Convert]::ToBase64String([System.Text.Encoding]::ASCII.GetBytes("password"))

Example 2: To connect to Instance "ServerA" using Windows authentication  
ServerA;;;2

● When the monitoring application is SAP

The information is described in the following format:

<Instance name>; <Host name>; <System ID>; <Instance name>; <System number>; <Client>; <User name>;  
<Base64 encoded password>; <Language>

The formats for <Instance ID>, <Host name>, <System ID>, <Instance name>, <System number>, <Client>, <User name>, <Base64 encoded password>, and <Language> are shown below.

Item name	Details	Default	Required item for importing の必須項目
<Instance ID>	Specify the ID for identification of the instance by using up to 64 characters. One-byte alphanumeric characters and underscores (_) can be used. Note that a unique name in the application must be specified.	—	Required
<Host name>	Specify the monitored host name by using up to 255 characters. Multi-byte characters cannot be used.	—	Required
<System ID>	Specify the SAP system ID by using up to 8 characters. Multi-byte characters cannot be used.	—	Required
<Instance name>	Specify the SAP instance name by using up to 20 characters. Multi-byte characters cannot be used.	—	Required
<System number>	Specify the system number of the SAP system by using up to 2 characters. Only one-byte numeric characters can be entered.	—	Required
<Client>	Specify the name of the client to which the SAP user belongs by using up to 3 characters (system number assigned to the connection destination dialog instance). Only one-byte numeric characters can be entered.	—	Required
<User name>	Specify the SAP user name by using up to 12 characters. Only ASCII characters (0x20-0x7F except for ";" (semicolon)) can be entered.	—	Required
<Base64 encoded password>	Specify the Base64 encoded value of the password of the SAP user. Specify a password of up to 12 characters before Base64 encoding. Only ASCII characters (0x20-0x7F except for ";" (semicolon)) can be entered.	—	Required
<Language>	Specify one of the following languages for connection. Japanese: JA English: EN	—	Required

Example: To specify Host name "localhost", System ID "EC6", Instance name "pluto\_EC6\_00", System number "00", Client "100", User name "appnavi", Password "password", and Language "JA" for Instance ID "SAP01"  
SAP01;localhost;EC6;pluto\_EC6\_00;00;100;appnavi;cGFzc3dvcnQ;JA  
(Specify the Base64 encoded string for Password)

Conversion for Base64 encoding can be performed by using Windows PowerShell.

Example: [System.Convert]::ToBase64String([System.Text.Encoding]::ASCII.GetBytes("password"))

**(2) Performance monitoring part**

The performance monitoring part includes the following sections.

- Performance monitoring section

- Monitoring object section
- Monitoring instance section
- Counter section

**(2-1) Performance monitoring section [GROUP\_0]**

The performance monitoring section is a section that includes the monitoring object section, monitoring instance section and counter section.

The section between the following start tag and end tag is the performance monitoring section.

Start tag: [GROUP\_0]

End tag: [END\_GROUP\_0]

**(2-2) Monitoring object section [GROUP\_1]**

The monitoring object section is a section included in the performance monitoring section.

The monitoring instance section includes the counter section.

The section between the following start tag and end tag is the monitoring object section.

Start tag: [GROUP\_1]

End tag: [END\_GROUP\_1]

Describe the details of each item in the monitoring object section as shown in the table below.

Item name	Details	Default	Required item for importing
APPID	Specify the monitoring application management ID by using a numeric value. 1 : Oracle 3 : SQLServer 11 : SAP	-	Required
OBJECTNAME	Specify the object name by using up to 128 characters. The details are described later.	-	Required
SERVICEID	Specify "41".	-	Required

■ A value specified for OBJECTNAME

The object name is described in the following format:

<Application name> (<Instance name>)

Specify "Oracle" (when using Oracle), "MSSQL" (when using SQLServer) or "SAP" (when using SAP) for <Application name>.

Specify the same character string as <Instance name> specified for USERCONFIGURATION in the "[Application instance section](#)" for <Instance name>.

Note that a one-byte space is inserted between <Application name> and <Instance name>, and one-byte parentheses are used.

Example: To specify "orcl" that was specified in example 1 for Oracle in "[Application instance section](#)"

Oracle (orcl)

**(2-3) Monitoring instance section [GROUP\_2]**

The monitoring instance section is a section included in the monitoring object section of an object that has a monitoring instance. The monitoring instance section includes the counter section.

The section between the following start tag and end tag is the monitoring instance section.

Start tag: [GROUP\_2]

End tag: [END\_GROUP\_2]

The instance name is described in the monitoring instance section in the following format:

INSTANCENAME=<Instance name>

The instance name is a required item and is described by using up to 128 characters.

**(2-4) Counter section [COUNTER]**

The counter section is a section included in the instance section for an object that has the monitoring instance, and is included in the monitoring object section for an object that does not have the monitoring instance.

The section between the following start tag and end tag is the counter section.

Start tag: [COUNTER]

End tag: [END\_COUNTER]

Describe the details of each item in the counter section as shown in the table below.

Item name	Details	Default	Required item for importing
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Item name	Details	Default	Required item for importing
NATIVEID	The counter ID is described in 8-digit hexadecimal. - The counter ID is output during export to restore monitoring history information when definitions are deleted by mistake, etc. When editing the export file and using it as an import file, leave the exported ID as is, or delete this key. When creating a new import file definition, do not specify this key.	-	Not required
COUNTERNAME	Describe the counter name by using up to 128 characters.	-	Required
COLOR	Describe the graph line color in RGB 8-digit hexadecimal. Example) Red: 000000ff Blue: 00ff0000 Green: 0000ff00	00000000	Optional
WIDTH	Specify the graph line width of graph. 1: Narrow 2: Medium 3: Wide	1	Optional
SCALE	Specify the graph scale. -8: 0.00000001 0: 1 times times 1: 10 times -7: 0.0000001 2: 100 times times 3: 1000 times -6: 0.000001 4: 10000 times times 5: 100000 times -5: 0.00001 6: 1000000 times times 7: 10000000 times -4: 0.0001 times -3: 0.001 times -2: 0.01 times -1: 0.1 times	0	Optional
LOG	Specify whether or not to save the log to a file. 0: Do not save 1: Save	0	Optional
MONITORTYPE	Specify the type of threshold judgment. 0: Sequential 1: Continuous 2: Average	0	Optional
COUNT	Specify the judgment count when the type of threshold judgment is "Continuous" or "Average" in the range from 2 to 16 by using an integer value. Do not specify this item when the type of threshold judgment is "Sequential".	2	Optional
UPPERERROR	Specify the upper anomalous threshold in the following range: -9999999999999999 to 9999999999999999 Note that this item is output to 18 decimal places during export. (*1)	(No threshold monitoring)	Optional
UPPERWARNING	Specify the upper warning threshold in the following range: -9999999999999999 to 9999999999999999 Note that this item is output to 18 decimal places during export. (*1)	(No threshold monitoring)	Optional

Item name	Details	Default	Required item for importing
LOWERWARNING	Specify the lower warning threshold in the following range: -9999999999999999 to 9999999999999999 Note that this item is output to 18 decimal places during export. (*1)	(No threshold monitoring)	Optional
LOWERERROR	Specify the lower anomalous threshold in the following range: -9999999999999999 to 9999999999999999 Note that this item is output to 18 decimal places during export. (*1)	(No threshold monitoring)	Optional

(\*1) To specify a threshold for two or more from UPPERERROR, UPPERWARNING, LOWERWARNING and LOWERERROR, the magnitude relation of the values must be UPPERERROR > UPPERWARNING > LOWERWARNING > LOWERERROR.

### (3) User definition part

The user definition part includes the following sections.

- User definition section
- Application definition section
- Counter section

#### (3-1) User definition section [USERSQL\_0]

The user definition section is a section that includes the application definition section and user definition counter section.

The section between the following start tag and end tag is the user definition section.

Start tag: [USERSQL\_0]

End tag: [END\_USERSQL\_0]

#### (3-2) Application definition section [APP]

The application definition section is a section included in the user definition section.

This section includes the user definition counter section.

The section between the following start tag and end tag is the application definition section.

Start tag: [APP]

End tag: [END\_APP]

The monitoring application is described in the application definition section in the following format.

APPID=<Management ID>

Specify 1 for <Management ID> when the monitoring target is Oracle, specify 3 when the monitoring target is SQLServer and specify 11 when the monitoring target is SAP.

#### (3-3) User definition counter section [COUNTER]

The user definition counter section is a section included in the application definition section.

The section between the following start tag and end tag is the user definition counter section.

Start tag: [COUNTER]

End tag: [END\_COUNTER]

Describe the details of each item in the user definition counter section as shown in the table below.

#### ● When the monitoring application is Oracle or SQLServer

Item name	Details	Default	Required item for importing
OBJECTNAME	Specify the same character string as the content specified for OBJECTNAME in " <a href="#">Monitoring object section</a> ".	-	Required
INSTANCENAME	Specify the instance name. Specify UserSQL when using Oracle. Specify UsersSQL when using SQLServer.	-	Required
COUNTERNAME	Specify the counter name by using a character string up to 128 characters.	-	Required
SQLTEXT	Specify SQL statements to be executed by using up to 4,095 characters including line feeds. Specify "___NL___" to insert a line feed in the text.	-	Required
DESCRIPTION	Specify the counter description by using up to 1,023 characters. Specify "___NL___" to insert a line feed in	-	Required

	the text.		
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● When the monitoring application is SAP

Item name	Details	Default	Required item for importing
OBJECTNAME	Specify the same string as specified for OBJECTNAME in " <a href="#">Monitoring object section</a> ".	—	Required
INSTANCENAME	Specify the instance name by using up to 128 characters.	—	Required
COUNTERNAME	- CCMS alert monitoring Specify APPNAVI_INTERNAL_COUNTER1. - Performance monitoring Specify the counter name by using a character string up to 128 characters.	—	Required
SQLTEXT	- CCMS alert monitoring Specify the name of the CCMS monitoring set. \$MonitorSet\$__SEP__\$Monitor\$__SEP__\$APPNAVI_INTERNAL_COUNTER1 - Performance monitoring Specify the name of the CCMS monitoring set and monitored tree. \$MonitorSet\$__SEP__\$Monitor\$__SEP__\$MonitoredTree\$__SEP__\$Difference\$ Specify 1 to use a statistical value within the monitoring interval or 0 to use an obtained value for difference.	—	Required
DESCRIPTION	Specify the counter description by using up to 1,023 characters. Specify "\$__NL__\$" to insert a line feed in the text.	—	Required

## 13. List of severity IDs

This chapter describes a list of the displayed severity names and the corresponding internal names and severity IDs.

### [System severities]

Displayed severity name (default)	internal severity name	Severity ID
STOP	SEV_STOP	256
FATAL	SEV_FATAL	257
CRITICAL	SEV_CRITICAL	258
MAJOR	SEV_MAJOR	259
MINOR	SEV_MINOR	260
WARNING	SEV_WARNING	261
UNKNOWN	SEV_UNKNOWN	262
NOMESSAGE	SEV_NOMESSAGE	263
NORMAL	SEV_NORMAL	264
PROCESSSTOP	SEV_PROCESSSTOP	265
SERVICESTOP	SEV_SERVICESTOP	266
PERFUPERROR	SEV_PERFUPERROR	267
PERFLOWERROR	SEV_PERFLOWERROR	268
HOSTEMPTY	SEV_HOSTEMPTY	269
PERFUPWARNING	SEV_PERFUPWARNING	270
PERFLOWWARNING	SEV_PERFLOWWARNING	271
PROCESSUNKNOWN	SEV_PROCESSUNKNOWN	272
SERVICEUNKNOWN	SEV_SERVICEUNKNOWN	273
PERFUNKNOWN	SEV_PERFUNKNOWN	274
PROCESSRUN	SEV_PROCESSRUN	275
SERVICERUN	SEV_SERVICERUN	276
PERFNORMAL	SEV_PERFNORMAL	277
HOSTNORMAL	SEV_HOSTNORMAL	278
PROCESSUPERROR	SEV_PROCESSUPERROR	279
FORCEEND	SEV_FORCEEND	280
DELAY	SEV_DELAY	281
CONDSTOP	SEV_CONDSTOP	282
EXECUTING	SEV_EXECUTING	283
NOTEXEC	SEV_NOTEXEC	284
CONFIRMATION	SEV_CONFIRMATION	285
UNMANAGED	SEV_UNMANAGED	286

### [User severities]

Internal severity name	Severity ID
USER1	512
...	...
USER32	543

\* The severity ID of the user severity USER<sub>n</sub> (n=1, 2, ..., 32) is 511+n.