
Command Reference (Help differences)

TopologyCmd LIST

TopologyCmd IMPORT

TopologyCmd EXPORT

Revision History

Edition	Chapter/Section	Details
First Edition	-	-

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1. Preface

This document is a reference for the following commands which are not described in the standard Help.

- TopologyCmd LIST
- TopologyCmd IMPORT
- TopologyCmd EXPORT

2. Restrictions

2.1 About remote hosts

- TopologyCmd IMPORT and TopologyCmd EXPORT do not support the management information and authentication information about remote hosts, which are setting items for remote monitoring agents.
- Only the following monitoring functions support TopologyCmd IMPORT and TopologyCmd EXPORT in application monitoring.

Function name	√: Supported -: Not supported
Oracle monitoring	√
IIS monitoring	-
SQL Server monitoring	√
WebLogic Server monitoring	√
Apache monitoring	√
Tomcat monitoring	√
SAP monitoring	√
Java application monitoring	√
WebSphere Application Server monitoring	√
Service availability monitoring	-

When a file that includes the settings for non-supported monitoring functions is imported using the TopologyCmd command, the existing settings for instances and servers are deleted.

To retain the existing settings and import other monitoring settings, the settings for Application Navigator must be excluded from the import target. Delete the following line from the exported Topology.txt file to exclude them from the target.

```
SERVICE005=41,"ApplicationMonitor",ApplicationMonitor.txt
```

2.2 Setting reporting to multiple functions

If the monitoring definition file for which reporting is set in two or more functions of message monitoring, service port monitoring, and performance monitoring among definitions for one host is collectively imported with the TopologyCmd command, an incorrect action report definition could apply. Import may fail depending on the definition.

The following tool can be used to check whether two or more reports are set to the monitoring definition file.

[Tool]

```
\tool\SysMgrG\TopologyCmd\CheckImportFile
```

CheckImportFileTool.bat

bom.txt

[How to use]

1. Store the tool (two files) in the same folder as the import file.

(Move the import file to Windows if your OS is not Windows.)

2. Double-click and execute CheckImportFileTool.bat.
3. Check the result at the prompt.
4. Press some key to exit the tool.
5. Divide the import file in the topology view seeing the "TopologyCmd - Batch Registration and Setting Detail Confirmation of Monitoring Definitions - File Specifications" (TopologyCmdSgImpExp_File.pdf) file.

Divide the monitoring function in the [RELATED_SERVICE] section.

For details, see "3.2.2 Definition part" in "TopologyCmd - Batch Registration and Setting Detail Confirmation of Monitoring Definitions - File Specifications" (TopologyCmdSgImpExp_File.pdf).

[Notes]

- This tool only operates on Windows.
- This tool cannot be executed on a remote disk such as network drive.
- Copy the import file and the tool to the local disk before use.
- This tool cannot be used if the import file is renamed.
- In such a case, edit the file name in CheckImportFileTool.bat as well.
The target file name is as follows:
 - Performance.txt
 - MessageView.txt
 - PortMonitor.txt
- Even if the import file contains lines commented out with # or other sign, it is indicated that division is required.
Delete commented out definitions before executing the tool.

3. Command Reference (Help differences)

- TopologyCmd command

This command displays a list of hosts in the topology view, applies the monitoring definitions from a file, and outputs the monitoring definitions to a file.

[Related items]

[TopologyCmd LIST](#)

[TopologyCmd IMPORT](#)

[TopologyCmd EXPORT](#)

[Note]

To execute these commands on the UNIX (HP-UX, Linux) manager, the following preparations are required.

- Library path setting

Add the following to the environment variable LD_LIBRARY_PATH (HP-UX, Linux).

<Installation Directory>/Manager/bin

- Locale setting

Specify UTF-8 for the locale of the execution environment.

3.1 TopologyCmd LIST

This command outputs a list of the host names and OS types of the currently monitored agents.

- This command exists on the machine where the manager is installed.
- For the UNIX manager (HP-UX, Linux), execute it using an account that has superuser authority.

[Path]

- Windows manager:
<Installation Directory>\Manager\bin\TopologyCmd.exe
- UNIX manager (HP-UX, Linux):
<Installation Directory>/Manager/bin/TopologyCmd.exe

[Specification method]

TopologyCmd.exe LIST

[Description]

This command outputs a list of the host names and OS types of the currently monitored agents.

If the argument is omitted or invalid, Help is displayed.

[Argument]

Not specified

[Return values]

0 is returned on success.

A value other than 0 is returned on failure.

Return value	Description
2	The argument is invalid. Check the arguments.
6	Connection to the manager failed. Check the status of the manager.
7 to 8	A communication error occurred.
22	Internal error. Contact the developer.

[Output format]

```
"Agent host name" [OS type]
```

[Output format]

```
"ServerA" [Windows]  
"ServerB" [HP-UX]  
"ServerC" [Linux]  
"ServerD" [Windows]
```

[Note]

- The host names of all agents are displayed regardless of the operation status (running/stopped) of the agents.
- The agents in the [Unregistered Host] group are not displayed.

3.2 TopologyCmd IMPORT

This command applies the monitoring definitions described in a file to an agent.

- This command exists on the machine where the manager is installed.
- For the UNIX manager (HP-UX, Linux), execute it using an account that has superuser authority.

[Path]

- Windows manager:
<Installation Directory>\Manager\bin\TopologyCmd.exe
- UNIX manager (HP-UX, Linux):
<Installation Directory>/Manager/bin/TopologyCmd.exe

[Specification method]

TopologyCmd.exe IMPORT <HostName> <Import Directory>

[Description]

Apply the monitoring definitions described in a file in the directory specified by the argument <Import Directory> to the agent specified by the argument <HostName>.

If the argument is omitted or is invalid, Help is displayed. The commands are not displayed in the Help.

[Argument]

HostName	Specify the host name to which the monitoring definitions are applied. This item cannot be omitted.
Import Directory	Specify the full path of the directory where the monitoring definitions described in a file are stored. This item cannot be omitted.

[Return values]

0 is returned on success.

A value other than 0 is returned on failure.

Return value	Description
1	Initialization failed. Check that the computer is in the normal state.
2	The argument is invalid. Check the arguments.
3	The specified host does not exist.
5	The import file does not exist.
6	Connection to the manager failed. Check the status of the manager.
7 to 8	A communication error occurred.
9	Another user is obtaining definition mode. Cancel definition mode and execute it again.
10	The specified host is a remote monitoring agent.
20	The parameters of the import file are invalid. Check the definitions of the import file.
21	The format of the import file is invalid. Check the definitions of the import file.
22	A file error occurred.
23	Internal error. Contact the developer.

[Note]

- For notes on the monitoring definition file, see "2.2 Setting reporting to multiple functions".

- It is recommended to perform a backup before importing.
For the backup command, see “Backup and Restore Functions” in “Command Reference” of the Help.
- Import cannot be performed when a console that is running in definition mode exists.
- A remote monitoring agent cannot be specified.
- The command fails when the specified host name does not exist.
The host names that can be specified are the host names displayed by TopologyCmd LIST.
- If a host name in the [Unregistered Host] group is specified, the command succeeds but its operation is not guaranteed.
Do not specify a host name in the [Unregistered Host] group.
- The command fails when the specified directory does not exist.
- The application monitoring function with the host setting disabled is not imported.
- For details about monitoring definitions described in a file, see separate volume of “TopologyCmd Batch Registration and Setting Detail Confirmation of Monitoring Definitions File Specifications”.
- Added definitions for the syslog monitoring and event log monitoring become valid after the agent is restarted.
- If the import is performed when the agent is not connected to the manager, the settings become valid after the agent is connected.
- Do not edit the import file and change definitions during import processing.

[Related item]

[TopologyCmd EXPORT](#)

3.3 TopologyCmd EXPORT

This command outputs the monitoring definitions of the agent to a file.

- This command exists on the machine where the manager is installed.
- For the UNIX manager (HP-UX, Linux), execute it using an account that has superuser authority.

[Path]

- Windows manager:
<Installation Directory>\Manager\bin\TopologyCmd.exe
- UNIX manager (HP-UX, Linux):
<Installation Directory>/Manager/bin/TopologyCmd.exe

[Specification method]

TopologyCmd.exe EXPORT <HostName> <Export Directory>

[Description]

Output the monitoring definitions of the agent specified by the argument <HostName> to a file in the directory specified by the argument <Export Directory>.

If the argument is omitted or is invalid, Help is displayed. This command is not displayed in the Help.

[Argument]

HostName	Specify the host name to which the monitoring definitions are output. This item cannot be omitted.
Export Directory	Specify the full path of the directory to which the monitoring definitions are output. This item cannot be omitted.

[Return values]

0 is returned on success.

A value other than 0 is returned on failure.

Return value	Description
1	Initialization failed. Check that the computer is in the normal state.
2	The argument is invalid. Check the arguments.
3	The specified host does not exist.
4	The specified directory does not exist.
6	Connection to the manager failed. Check the status of the manager.
7 to 8	A communication error occurred.
9	Another user is obtaining definition mode. Cancel definition mode and execute it again.
10	The specified host is a remote monitoring agent.
22	A file error occurred.

[Note]

- Export cannot be performed when a console that is running in definition mode exists.
- A remote monitoring agent cannot be specified.
- The command fails when the specified host name does not exist.
The host names that can be specified are the host names displayed by TopologyCmd LIST.
- The command fails when the specified directory does not exist. The root directory cannot be specified.
- The application monitoring function with the host setting disabled is not exported.

- For details about monitoring definitions output to a file, see separate volume of “TopologyCmd Batch Registration and Setting Detail Confirmation of Monitoring Definitions File Specifications”.
- The following message may be output during command execution. However, this does not incur a problem provided the command execution is successful.
Unsupported service.(ServiceID [function number])
[Function name] : Host is not found.
[Function name] : Host not found.

[Related item]

[TopologyCmd IMPORT](#)