MasterScope MISSION CRITICAL OPERATIONS /SystemManager/Application Navigator Command Reference (Help differences) TopologyCmd LIST TopologyCmd IMPORT TopologyCmd EXPORT

Revision History

Edition	Chapter/Section	Details
First Edition	-	-
	4.1	Note about [Unregistered Host] added
	Chapter 4	Return values added
2nd Edition	Chapter 3	Application Navigator SAP monitoring function was added to the supported products.

Contents

1. Preface

This document is a reference for the following commands which are not described in the standard Help of MasterScope MISSION CRITICAL OPERATIONS Ver. 3.7.0/SystemManager Ver. 5.6.0/Application Navigator Ver. 3.3.0.1 or later.

- TopologyCmd LIST
- TopologyCmd IMPORT
- TopologyCmd EXPORT

2. Supported OS

- The supported platforms vary depending on the product. For details, see "TopologyCmd command manager platforms for each MasterScope product" below.

- 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

3. Restrictions

- TopologyCmd IMPORT and TopologyCmd EXPORT do not support remote hosts.
- Only the following monitoring functions support TopologyCmd IMPORT and TopologyCmd EXPORT in Application Navigator.

    Oracle monitoring and SQL Server monitoring, SAP 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

4. 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.

4.1　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.

4.2 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	The specified host does not exist.
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]
- 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.
- 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.

[Related item]

TopologyCmd EXPORT

4.3 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	The specified host does not exist.
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.

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- 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".

[Related item]

TopologyCmd IMPORT