

SystemManager G 8.0 WebConsole Option

Release Memo

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NEC Corporation
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Preface

Preface

This manual is intended to provide users who wish to install MasterScope SystemManager G WebConsole Option with the information needed to introduce this product.

This document is subject to change without notice. Bear this in mind.

Notation rules of this document

In this document, important notes and related information are described as follows:

Note

Notes, warnings, and supplements on functions, operations, and settings are described.

Tip

Additional information and reference information are described.

Notation list

The following conventions apply to this document.

Notation	Meaning	Example
Square brackets	Placed before and after an item (such as a text box, check box, or tab) on the screen	Enter the machine name in the Machine name text box. All check box
" "	Placed before and after a screen name (such as a dialog box or window), and a name of other manuals	"Setting" window <i>"Installation Guide"</i>
Square brackets [] in a command line	Indicates that the specification of the value in [] can be omitted.	add [/a] Gr1
Pipe in a command line	Indicates that either of the elements delimited with the pipe will be selected. The element selection can be omitted when a pipe is used in square brackets. The element selection must be made when a pipe is used in braces.	delete [/a/f] group add {--code=codeword --file=file-path}
Braces { } in a command line	Are used together with a pipe, indicating that either of the elements delimited with the pipe must be selected.	add {--code=codeword --file=file-path}
Monospace font (Courier New)	Output from the command line (such as a message or prompt)	Run the following command. replace Gr1

Notation	Meaning	Example
Italicized monospace font (Courier New)	Indicates the items to be replaced with a valid value and input by users. If the value contains any spaces, surround it with " " (double quotation marks).	add <i>GroupName</i> InstallPath="Install Path"
Gray-scale background	Shows a concrete example of a command to run, a return value(s), and the like.	<code>mssc_license_cmd.exe --register="C:\tmp\code word.txt" --force</code>
JSON example	To improve readability, line breaks and indentation are added to the displayed JSON examples.	<pre>{ "ID": ["45ed3512"], "Manager": { "ErrorMessage": "", "Name": "localhost", "Status": 200, "StatusCode": 200 } }</pre>

Definitions

Definition	Description
<WebConsole-install-path>	Installation directory of SystemManager G WebConsole Option. The default installation directory varies depending on the environment as follows: In the Windows environment, the default installation directory is "C:\Program Files\NEC\pf\opm\manager". In the Linux environment, the default installation directory is "/opt/nec/pf/opm/manager".
<manager-install-path>	Installation directory of SystemManager G Manager. The default installation directory varies depending on the environment as follows: In the Windows environment, the default installation directory is "C:\Program Files(x86)\NEC\UMF\Operations". In the Linux environment, the default installation directory is "/opt/UMF/Operations".
<Tomcat-install-path>	Installation directory of Application Server. The default installation directory varies depending on the environment as follows: In the Windows environment, the default installation directory is "C:\Program Files(x86)\NEC\UMF\Operations\Tomcat". In the Linux environment, the default installation directory is "/opt/NEC/UMF/Operations/Tomcat".
<WebSAM Root>	Mounting directory of MasterScope media. The default installation directory varies depending on the environment.

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Chapter 1.

Product outline

This chapter provides an outline of the SystemManager G WebConsole Option.

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1.1 Product outline

MasterScope SystemManager G achieves a considerable reduction in support costs and enhances the stable operation of a business through fault monitoring from a business viewpoint and by unifying the management of the application systems used in business systems.

SystemManager G WebConsole Option (hereinafter called WebConsole Option), which is the target of this release memo, offers screens for monitoring the present system status, using a web browser, based on the information collected by MasterScope SystemManager G Manager.

Standard functions

- Dashboard

This enables you to place various monitoring widgets (monitoring window parts) on the top window according to the user roles and business statuses.

- Node view

Function that monitors the states of the OS, middleware, applications, and so on in server units. This enables you to group monitored servers according to the installation location or according to the role in the user's environment and to monitor them in group units.

- Analysis / Report view

On this view, collected performance data is displayed in report format. This enables you to manage the capacity with operating rate display, ranking display, and regression analysis.

Optional functions

- Message view

This view enables you to classify and monitor events reported from monitoring targets from the viewpoint of your business.

Chapter 2.

Overview of This Version

This chapter describes the new functions and changes in this version.

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2.1 New functions and enhanced functions

1. Performance analysis report

Performance data collected as part of the monitoring can be displayed in report format that can be subject to tab management. Capacity management with operating rate display, ranking display, and regression analysis is newly supported.

2. Monitoring template function

Agent monitoring definitions can be created and managed. A created definition can be simultaneously applied to multiple agents.

3. Linux server support

Red Hat Enterprise Linux 6 and 7 are now supported.

2.2 Changes

This section describes the changes from version 7.1 of this product. For details about upgrading, see Chapter 4, "Upgrading" of the "MasterScope SystemManager G 8.0 WebConsole Option Installation Guide."

1. Application Server

Apache Tomcat is upgraded from version 8.0 to 8.5.

2. Performance data

In this version, the display format of the performance data counter is changed. For this reason, performance data obtained from the counter monitored with version 7.1 cannot be displayed as a performance graph in version 8.0.

Chapter 3.

Media configuration

This chapter describes the configuration in the MasterScope Media of this product.

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3.1 DocuDocument directory structure

Documents related to WebConsole Option are placed in the following directories of the MasterScope Media.

Root

```

├─ doc/SysMgrG
│   └─ relememo.pdf
│       └─ manual/Option/WebConsole
│           └─ webconsole_rel_ja.pdf (This document)
│           └─ webconsole_inst_ja.pdf
│           └─ webconsole_conf_ja.pdf
│           └─ webconsole_func_ja.pdf
└─ license
    └─ LICENSE_SysMgrG_WebConsole.pdf
  
```

3.2 Product documents

The following is a list of documents related to System Manager G WebConsole Option.

Table 3-1 Documents in doc/SysMgrG

File name	Description
relememo.pdf	SystemManager G Release Memo This document describes the functions and changes released by SystemManager G.

Table 3-2 Documents in doc/SysMgrG/manual/Option/WebConsole

File name	Description
webconsole_rel_jp.pdf	SystemManager G WebConsole Option Release Memo This document describes the functions and changes released by SystemManager G WebConsole Option.
webconsole_inst_ja.pdf	SystemManager G WebConsole Option Installation Guide This document describes the procedure for installing SystemManager G WebConsole Option.
webconsole_conf_ja.pdf	SystemManager G WebConsole Option Environment Configuration Guide This document describes the procedures necessary for configuring the environment for SystemManager G WebConsole Option, as well as notes and cautions.
webconsole_func_ja.pdf	SystemManager G WebConsole Option Function Reference Guide This document describes the functions of SystemManager G WebConsole Option, as well as its operation.

Table 3-3 Documents in license

File name	Description
LICENSE_SysMgrG_WebConsole.pdf	This document describes license terms for the open source software used with SystemManager G WebConsole Option.

Chapter 4.

Operating environment

This section describes the operating environment available for this product.

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4.1 Supported operating systems

WebConsole Option supports operation under the following operating systems.

Y: Supported, N: Not scheduled to be supported, -: Not supported

OS	Version	IA-32	x64	Remark
Windows Server	2008	N	Y	Supports an environment in which WebConsole Option is installed with the "full installation" installation option.
	2008 R2	-	Y	Supports an environment in which WebConsole is installed with the "full installation" installation option.
	2012	-	Y	Supports an environment in which WebConsole is installed with the "Server with a GUI" installation option.
	2012 R2	-	Y	Supports an environment in which WebConsole is installed with the "Server with a GUI" installation option.
	2016	-	Y	Supports an environment in which WebConsole is installed with the "Desktop Experience" installation option.
Red Hat Enterprise Linux	6	-	Y	Version 6.1 to 6.9 are supported.
	7	-	Y	Version 7.1 to 7.4 are supported.

4.2 Supported web browsers

WebConsole supports the following web browsers.

Supported web browser	Version
Internet Explorer	11
Microsoft Edge	40
Mozilla Firefox ESR	52

4.3 Supported DBMS

The following database management software (DBMS) can be used with WebConsole Option.

DBMS	Version
PostgreSQL	9.6

4.4 HA cluster

WebConsole Option verifies operation with the following HA clustering software.

HA clustering software	Version
EXPRESSCLUSTER X	3.3

Tip

For details about how to configure an HA cluster of WebConsole Option, see the following:

- "MasterScope SystemManager G Manager (Windows Version) Duplication Setup Guide (ExpressCluster X Edition)"

- "MasterScope SystemManager G Manager (Linux Version) Duplication Setup Guide (ExpressCluster X Edition)"

4.5 Necessary memory and disk capacities

Resource	Description
Memory capacity	8 GB or larger
Disk capacity (free space)	30 GB or larger

Note

You must also consider the resources used by SystemManager G Manager to be installed on the same server. For the resources that SystemManager G Manager uses, see "MasterScope SystemManager G Release Memo."

Note

The necessary resource amount differs depending on the number of monitoring items and the monitoring interval.

4.6 Installation directory

By default, the components of WebConsole Option are installed in the following directories. To save monitoring data to a separate partition, a further directory for data storage is also necessary.

Table 4-1 Installation directories of Windows version WebConsole Option

Component	Installation path
WebConsole Option	C:\Program Files\NEC\pf\opm\manager
Application Server, Service Governer, WebConsole Option (Portal/user management platform)	C:\Program Files (x86)\NEC\UMF\Operations\Tomcat
Database (PostgreSQL 9.6)	C:\Program Files\PostgreSQL\9.6

Table 4-2 Installation directories of Linux version WebConsole Option

Component	Installation path
WebConsole Option	/opt/nec/pf/opm/manager
Application Server, Service Governer, WebConsole Option (Portal/user management platform)	/opt/NEC/UMF/Operations/Tomcat
Database (PostgreSQL 9.6)	/usr/pgsql-9.6

4.7 Communication ports

This section describes the ports used by WebConsole Option to communicate with other servers.

Communication name	Send component	Send port	Receive component	Receive port	Remark
Web GUI authentication	Web GUI (web browser)	ANY/tcp	WebConsole Option	12080/tcp	
Web API (HTTPS)	WebConsole Option (Web GUI component)	ANY/tcp	WebConsole Option	8243/tcp	If installing Application Server/Service Governor/Web GUI components on another server
Communication with WebConsole Option (status information)	Manager	ANY/tcp	WebConsole Option overview	22523/tcp	
Communication with WebConsole Option (message)	Manager	ANY/tcp	WebConsole Option	22524/tcp	
Communication with WebConsole Option (monitoring node information)	Manager	ANY/tcp	WebConsole Option	22529/tcp	
Communication with WebConsole Option (performance data)	Manager	ANY/tcp	WebConsole Option	22531/tcp	
Communication with Manager (recovery)	WebConsole Option	ANY/tcp	WebConsole Option	20100/tcp	
Communication with database	WebConsole Option	ANY/tcp	PostgreSQL	5432/tcp	If installing a database on another server

Note

- For details about how to change the listening port number, see the "SystemManager G WebConsole Option Installation Guide."

4.8 List of internal communication ports

This section describes the ports used by WebConsole Option when performing internal communication within the server on which WebConsole Option is installed.

Send port	Receive port
ANY/tcp	5432/tcp
	8243/tcp
	12080/tcp
	20100/tcp
	22520/tcp
	22522/tcp
	22523/tcp
	22524/tcp
	22529/tcp
	22530/tcp
	22531/tcp

Send port	Receive port
	ANY/tcp

Note

- For details about how to change the listening port number, see the "SystemManager G WebConsole Option Installation Guide."
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Appendix A. Revision history

- First edition (July 2018): Newly created

**SystemManager G 8.0 WebConsole Option
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