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# Orchestrating a brighter world

NEC brings together and integrates technology and expertise to create the ICT-enabled society of tomorrow.

We collaborate closely with partners and customers around the world, orchestrating each project to ensure all its parts are fine-tuned to local needs.

Every day, our innovative solutions for society contribute to greater safety, security, efficiency and equality, and enable people to live brighter lives.

### Introduction

This document introduces performance reporting and dashboard provided by MasterScope SystemManager G 8 Web Console option.

Please refer to Web Console Introduction document for the whole feature of Web Console option.



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## Web Console Option

Web browser console allows you to monitor systems and performance reports on user-customizable dashboards from anywhere.





Problems in Analyzing and Reporting Server Operation Status

Are you having problems in analyzing and reporting server operating status?

It takes time to organize data and create graphs for monthly operational reports.

Opening every window to check the status of each server is tedious.

RAM and HDD should be upgraded, but data analysis is time-consuming.

Server availability report is required.

Monitoring real-time operational status from anywhere is required.

Web Console allows you to analyze performance and make reports from anywhere, anytime.





### **Performance Report**

Performance reports are displayed using tabs, visualizing monthly reports and current operational status. Host availability, ranking, and capacity management by regression lines are newly added features.



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### Monitoring Dashboard

You can create and customize your dashboard with widgets to get a quick view of the system status as soon as you login.



Collected performance data is visualized for monthly reports and current operational status and can be accessed from anywhere via web browser.

## Before

It takes time to manually organize data and create graphs for reports.



#### It takes a lot of work to create monthly reports. I have to output CSV, manually organize data, and create graphs.



# After

Performance information can be checked using web browser. Reports can be output to PDF or printer.





### "Easy to Access, Easy to Create Graphs"

# Create reports easily on web browser, group by tabs, access and print anytime.





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Configuration

#### Overloaded servers are automatically extracted and shown as a ranking list.

# **Before**

To see overload status, each performance graph needs to be checked on monitoring screen.



Ranking of servers with high resource usage helps you identify overloaded servers.





### "Identify Overloaded Servers"

# Specify the time period, servers, and resource to display a ranking list of resource usage.

#### Ranking list of servers with high memory usage



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## Advantage 3 "Estimate Resource Scarcity"

Performance Report

Estimation based on the collected performance data helps you prepare for capacity planning.

# **Before**

Disk capacity is monitored, but it is too late to plan disk allocation after the threshold is reached.



# <u>After</u>

Drawing a regression line based on collected performance data enables you to estimate resource scarcity.

![](_page_13_Figure_8.jpeg)

![](_page_13_Picture_11.jpeg)

# Specify the time period to analyze and a regression line will be drawn on a performance graph, showing the estimation.

![](_page_14_Figure_3.jpeg)

#### Server availability during the specified time period is shown with a graph.

## **Before**

Finding server uptime requires collecting information and calculation.

## After

Availability of multiple servers is shown with a graph.

![](_page_15_Figure_7.jpeg)

![](_page_15_Figure_8.jpeg)

![](_page_15_Picture_10.jpeg)

# Visualize server availability of the specified period. (availability of SystemManager G Agent, processes, ports)

![](_page_16_Figure_3.jpeg)

Time ratio of the following item status can be shown.

- Processes (process start/stop, the number of processes)
- Windows services (service start/stop)
- TCP/UDP ports (port open/close state)
- Performance (threshold status)
- File size (threshold status)

![](_page_16_Picture_11.jpeg)

You can create and customize your dashboard with widgets to get a quick view of the system status.

# **Before**

Different users need different information. It takes time to check scattered information.

## <u>After</u>

Dashboard gives you quick access to frequently used information, saving time to collect data.

![](_page_17_Figure_7.jpeg)

![](_page_17_Picture_10.jpeg)

### "Customizable Dashboard"

# Dashboard gives you quick access to frequently used performance reports updated in real time.

![](_page_18_Figure_3.jpeg)

#### License and Configuration Example

#### One Web Console license is required per installation.

![](_page_19_Figure_2.jpeg)

## One Web Console license is required per AP server for Web Console.

- Web Console and manager can be installed on the same server.
- 2 Web Console licenses are required for a 2-node cluster.

#### There is no limit to the number of users.

• There is no limit to the number of concurrent connections via web browser.

#### **Configuration Example of 3 Monitoring Target Servers**

Name	QTY
MasterScope SystemManager G Manager for Windows/Linux	1
MasterScope SystemManager G Agent for Windows/Linux(1)	3
MasterScope SystemManager G Web Console	1
MasterScope Media	1

\*One view license is bundled with a manager license.

![](_page_19_Picture_12.jpeg)

![](_page_19_Picture_13.jpeg)

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![](_page_20_Picture_1.jpeg)