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Conventions used in this document

Notations used in the text

Three types of notations are used in this document. These notations have the following meanings.

<table>
<thead>
<tr>
<th>Notation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Important</td>
<td>Indicates critical items that must be followed when operating software.</td>
</tr>
<tr>
<td>Note</td>
<td>Indicates items that must be confirmed when operating software.</td>
</tr>
<tr>
<td>Tips</td>
<td>Indicates information that is helpful to keep in mind.</td>
</tr>
</tbody>
</table>
**Abbreviations of operating systems**

Windows Operating Systems (OS) are referred to as follows.

<table>
<thead>
<tr>
<th>Notations in this document</th>
<th>Official names of Windows</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Windows Server 2019 Standard</td>
</tr>
<tr>
<td>Windows Server 2016</td>
<td>Windows Server 2016 Datacenter</td>
</tr>
<tr>
<td></td>
<td>Windows Server 2016 Standard</td>
</tr>
<tr>
<td>Windows Server 2012 R2</td>
<td>Windows Server 2012 R2 Datacenter</td>
</tr>
<tr>
<td></td>
<td>Windows Server 2012 R2 Standard</td>
</tr>
<tr>
<td>Windows Server 2012</td>
<td>Windows Server 2012 Datacenter</td>
</tr>
<tr>
<td></td>
<td>Windows Server 2012 Standard</td>
</tr>
<tr>
<td>Windows 10</td>
<td>Windows 10 Pro 64-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 10 Pro 32-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 10 Enterprise 64-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 10 Enterprise 32-bit Edition</td>
</tr>
<tr>
<td>Windows 8.1</td>
<td>Windows 8.1 Pro 64-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 8.1 Pro 32-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 8.1 Enterprise 64-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 8.1 Enterprise 32-bit Edition</td>
</tr>
<tr>
<td>Windows 7</td>
<td>Windows 7 Professional 64-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 7 Professional 32-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 7 Enterprise 64-bit Edition</td>
</tr>
<tr>
<td></td>
<td>Windows 7 Enterprise 32-bit Edition</td>
</tr>
</tbody>
</table>
Trademarks

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Keep this document for future reference.

Latest editions

This document was created based on the information available at the time of its creation. The screen images, messages and procedures are subject to change without notice. Substitute as appropriate when content has been modified.
This chapter describes general description of this tool.

1. **Introduction.**

2. **About downloading latest NEC ESMPRO Monitoring Tool.**
   Describes downloading latest NEC ESMPRO Monitoring Tool.

3. **System requirements.**
   Describes the necessary environment of NEC ESMPRO Manager Monitoring Tool.
I. Introduction

Read this document so as to gain an adequate understanding of the contents. The contents in this document are intended for users who fully understand features and operations of OS related to this utility.

If you want to know operations of OS, or if there is any unclear point, see the online help of each OS.

NEC ESMPRO Manager Monitoring Tool is a software designed for notifying status change of NEC ESMPRO Manager without login from the web browser.

This tool has the following features.

- **Server Monitoring by using multiple NEC ESMPRO Manager will be easier.**
  When you want to check status of multiple NEC ESMPRO Manager, you have to login all multiple NEC ESMPRO Manager from web browser.
  But you can check all status of multiple NEC ESMPRO Manager by using this tool at once.

- **Status monitoring of server by using NEC ESMPRO Manager will be easier.**
  Current system of NEC ESMPRO Manager have to open web browser for server status monitoring. But by using this tool, you can monitor server status in the notification area without open web browser by using this tool.
2. About download of latest this tool

See the following URL for NEC ESMPRO Monitoring Tool information. You can download the latest version of NEC ESMPRO Monitoring Tool from URL.

http://www.58support.nec.co.jp/global/download/index.html
NEC ESMPRO Manager Monitoring Tool requires the following hardware and software:

### 3.1 Installation requirements of this tool

- **Hardware**
  - **Machine**
    - A computer on which OS supported by NEC ESMPRO Manager Monitoring Tool can be installed
  - **CPU**
    - Core2 Duo 1.80GHz or higher, or equivalent compatible processor is recommended.
  - **Memory**
    - Memory required for running OS plus 100MB or more (500MB or more is recommended.)
  - **Free hard disk space**
    - 100MB or more

- **Software**
  - **OS**
    - Windows Server 2019
    - Windows Server 2016
    - Windows Server 2012 R2
    - Windows Server 2012
    - Windows 10
    - Windows 8.1
    - Windows 7 (up to Service Pack1)
  - **Web browser**
    - Web browser is compliant with supported browser of monitoring NEC ESMPRO Manager.
### 3.2 NEC ESMPRO Manager supported by this tool

- **NEC ESMPRO Manager**
  This tool supports following NEC ESMPRO Manager.
  - NEC ESMPRO Manager Ver6.17 or later.

**Note**
This tool does not support before NEC ESMPRO Manager Ver6.17. Please update NEC ESMPRO Manager to Ver6.17 or later.

- **Management limited number**
  The number of NEC ESMPRO Managers that can be monitored with this tool are as follows.
  - 20

**Note**
This tool cannot monitor more than 20 NEC ESMPRO Manager. If you want to add new monitoring target, please delete current monitoring target.

### 3.3 Requirements for connection between this tool and Monitoring NEC ESMPRO Manager

This tool uses following Interface for connection with Monitoring NEC ESMPRO Manager.
- TCP/IP Network

**Note**
This tool and Monitoring NEC ESMPRO Manager must be on the same network. This tool cannot connect with NEC ESMPRO Manager on other network.
3.4 Notes

♦ Preparation for communication between this tool and NEC ESMPRO Manager

The setting of machine which NEC ESMPRO Manager is installed must be changed for communicating with this tool and NEC ESMPRO Manager. The procedure is shown below.

1. Release the port of machine which NEC ESMPRO Manager is installed.

The port which NEC ESMPRO Manager is installed must be released for communicating with this tool and NEC ESMPRO Manager. Please release the port referring to the following documents.

>> "NEC ESMPRO Manager Ver. 6 Installation Guide – Chapter4 Appendix – 2.Port numbers / Protocols"
>> [Web Client <-> PC for Management]

2. Edit the access control setting of NEC ESMPRO Manager.

NEC ESMPRO Manager has the access control function. NEC ESMPRO Manager can be accessed only from the local Web browser with the default setting. Therefore, please add the IP address of machine which NEC ESMPRO Manager is installed as following document.

>> "NEC ESMPRO Manager Ver. 6 Installation Guide – Chapter2 Installation – 3.After Installation"
This chapter describes installation of this tool.

1. **Before installation.**
   Describes necessary setting before installation.

2. **Installation.**
   Describes installation procedure of this tool.

3. **After installation.**
   Describes necessary setting after installation
I. Before installation

Be sure to read this page before installing this tool.

♦ Confirming the disk space required for operation.
  Prepare sufficient free space in the folder you specified at installation.
  By default, the installation folder is "¥ESMMT" on the system drive.
  Please refer to “3.1 Installation requirements of this tool” for the necessary disk space.

♦ Place of installation.
  When this tool is installed in an already existing folder, this tool may not operate unless the access permissions required for this tool operation have been set.
  In this cases, please add the suitable access permissions to Installed folder.

<table>
<thead>
<tr>
<th>Important</th>
</tr>
</thead>
<tbody>
<tr>
<td>When this tool is installed in &quot;C:¥Program Files&quot; or &quot;C:¥Program Files (x86)&quot; etc., This tool may not work properly. In this cases, please add the suitable access permissions to following folder.</td>
</tr>
<tr>
<td>&lt;&lt;Installed folder &gt;&gt;¥ESMMT</td>
</tr>
</tbody>
</table>


2. Installation

This page describes installation of this tool.

Be sure to read "Before Installation" and install this tool.

2.1 Installation procedure

1. Sign-in (Log on) to the system with the built-in Administrator (or an account having administrative privilege).

2. Save the downloaded file in a folder of your choice, and unzip it.

   Important
   If you store the setup program in a folder that is too deep in the hierarchy, the program may not be run correctly.

3. Run the setup program "YESMMT_E\setup.exe".
4. **Select the installation destination.**

   Select the installation target folder, and then click [Next].

5. **Reboot OS after installation is completed.**
2.2 Notes on installation

♦ Please reboot OS after installation is completed.

This tool will start automatically by rebooting OS.
Whether this tool is running or not can be judged by whether or not the following icon is displayed on the notification area.

Tips
Displayed icons will be changed by monitoring target status.

♦ This tool does not start after OS rebooting.

If this tool does not start after OS rebooting, the following case can be considered.
In the following case, this tool will start by adding the suitable access permissions to installed folder.

>>> This tool have been installed in Existing folder of system drive (C:\Program Files or C:\Program Files (x86) etc.), and User account is not built-in Administrator.
This chapter describes uninstallation of this tool.

1. Uninstallation.
   Describes uninstallation procedure of this tool.
1. Uninstallation

This page describes how to uninstall this tool.

1.1 Uninstallation procedure

1. Sign-in (Log on) to the system with the built-in Administrator (or an account having administrative privilege).

2. Exit all running applications.

3. Perform uninstallation.
   Startup [Programs and Features] (or [Add or Remove Programs]) from [Control Panel].
   Select NEC ESMPRO Manager Monitoring Tool from the list of the installed programs to remove it.
4. **Confirmation for uninstallation.**

Confirm that any applications related to NEC ESMPRO Manager Monitoring Tool are not running, and click [Yes]. The selected features will be uninstalled.

![Confirmation dialog box]

5. **The uninstallation completes.**

Click [OK] and then restart OS (the system will not automatically restart.).

![Uninstallation completion dialog box]

---

**Note**

The displayed messages vary depending on the environment.
1.2 Notes on uninstallation

♦ Reboot OS after uninstallation.

Please reboot OS after this tool uninstallation.
This chapter describes basic operation of this tool.
For detailed operations and other operations, refer to the online help of this tool.

1. How to check the status of registered target.
   This chapter describes how to check the status of registered target.

2. How to add the new monitoring target.
   This chapter describes how to add the new monitoring target.

3. How to edit the registered target.
   This chapter describes how to edit the registered target.

4. How to delete the registered target.
   This chapter describes how to delete the registered target.

5. Other operations.
   This chapter describes other operations.

Tips
Please refer to online help about other operations such as monitoring interval change etc.
The way to open online help is described in "5. Other operations."
1. How to check the status of registered target

This page describes how to check the status of registered NEC ESMPRO Manager.

### 1.1 Status Screen

Status screen is used for checking the status of registered NEC ESMPRO Manager.

![Status Screen](image)

Detail of each items are shown below.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This is Status of NEC ESMPRO Manager Monitoring Tool. The status of NEC ESMPRO Manager Monitoring Tool will be decided by most important top status of monitoring targets.</td>
</tr>
<tr>
<td>2</td>
<td>This is Last connection time of NEC ESMPRO Manager Monitoring Tool.</td>
</tr>
<tr>
<td>3</td>
<td>This is Message for the status of NEC ESMPRO Manager Monitoring Tool.</td>
</tr>
<tr>
<td>4</td>
<td>This is Status of a monitoring target.</td>
</tr>
<tr>
<td>5</td>
<td>This is Address of a monitoring target.</td>
</tr>
<tr>
<td>6</td>
<td>This is Last connection time of a monitoring target.</td>
</tr>
<tr>
<td>7</td>
<td>This is message for Error. Help message for resolving error will be displayed here.</td>
</tr>
</tbody>
</table>
1.2 How to open Status Screen

There are two ways to open the Status Screen

1. **Status Screen can be opened from main menu.**
   Main menu will be opened by right clicking this tool icon.
   Status Screen will be opened by clicking [Status] on main menu.

2. **Status Screen can be opened by left clicking this tool icon.**
   Status Screen can be opened by left clicking this tool icon of notification area.
2. How to add the new monitoring target

This page describes how to add new NEC ESMPRO Manager.
Detail of this, please refer to online help of this tool.

1. Open Setting Screen.
Main menu of this tool will be opened by right clicking this tool icon.
Setting Screen will be opened by clicking [Setting] on the main menu.

2. Open [Target] tab of Setting Screen.
Click [Target] tab of Setting Screen.
3. Click [Add] button on the Setting Screen.

The window which is used for adding new target will be opened by clicking [Add] button.

![Image](image_url)

Add the information of Managed ESMPRO/ServerManager.

[Enter information]

4. Enter information of new target to the adding window.

Enter new target information to the adding window.

Tips

Enter the user name and password of NEC ESMPRO Manager to User and Password fields. Address, and Port information will be got from URL of the web login screen as following.

<table>
<thead>
<tr>
<th>Red area: Address</th>
<th>Blue area: Port</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image_url" alt="Image" /></td>
<td></td>
</tr>
</tbody>
</table>

5. After entering all the information, click the [Add] button.

After entering all the information, click the [Add] button. New monitoring target will be added.
3. How to edit the registered target.

This page describes how to edit registered NEC ESMPRO Manager information.
Detail of this, please refer to online help of this tool.

1. Open Setting Screen
Main menu of this tool will be opened by right clicking this tool icon.
Setting Screen will be opened by clicking [Setting] on the main menu.

2. Open [Target] tab of Setting Screen
Click [Target] tab of Setting Screen.
3. Click edit target from the list of Setting Screen.

4. Click [Edit] button.
   Edit Screen will be displayed by clicking [Edit] button after clicking edit target.

5. Click [Apply] button after editing.
   New information will be applied after clicking [Apply] button.
4. How to delete the registered target.

This page describes how to delete registered NEC ESMPRO Manager from this tool. Detail of this, please refer to online help of this tool.

1. Open Setting Screen

Main menu of this tool will be opened by right clicking this tool icon. Setting Screen will be opened by clicking [Setting] on the main menu.

2. Open [Target] tab of Setting Screen

Click [Target] tab of Setting Screen.
3. Click delete target from the list of Setting Screen.

![NEC ESM PRO Manager Monitoring Tool Settings](image)

4. Click [Delete] button.

Confirmation message for deletion will be displayed by clicking [Delete] button.

![Confirmation message](image)

5. Click [Yes] button

Registered NEC ESM PRO Manager will be deleted from this tool by Clicking [Yes] of Confirmation message.
5. Other operations

Please refer to online help for other operations of this tool. This page describes how to open online help of this tool.

5.1 How to open online help

1. Open online help

Main menu of this tool will be opened by right clicking this tool icon. Online help will be opened by clicking [Help] on the main menu.
About External Libraries which this product uses

This product contains libraries ("external libraries") provided by the third party suppliers ("suppliers"). Assume and agree these libraries' license documents and NOTICE files before using this product.

License documents and NOTICE files of external libraries are stored in the following folders:

*<The folder in which this product is installed>\ESMMT\license

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Python Copyright © 2001-2018 Python Software Foundation.

wxPython Copyright © 1998-2005 Julian Smart, Robert Roebling et al

Requests Copyright © 2017 Kenneth Reitz

PyCrypto Public Domain
The relationship between notification area icons of this tool and NEC ESMPRO Manager Status

The relationship between icons which are used in notification area of this tool and status of NEC ESMPRO Manager is described in this chapter.

<table>
<thead>
<tr>
<th>ICON OF THIS TOOL</th>
<th>NEC ESMPRO STATUS</th>
<th>STATUS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Error Icon]</td>
<td>![Error Icon]</td>
<td>Error</td>
<td>Top status of Managed target which is registered in NEC ESMPRO Manager Monitoring Tool is Error.</td>
</tr>
<tr>
<td>![Warning Icon]</td>
<td>![Warning Icon]</td>
<td>Warning</td>
<td>Top status of Managed target which is registered in NEC ESMPRO Manager Monitoring Tool is Warning.</td>
</tr>
<tr>
<td>![DC-OFF Icon]</td>
<td>![DC-OFF Icon]</td>
<td>DC-OFF</td>
<td>Top status of Managed target which is registered in NEC ESMPRO Manager Monitoring Tool is DC-OFF, POST, or OS Panic.</td>
</tr>
<tr>
<td>![Unknown Icon]</td>
<td>![Unknown Icon]</td>
<td>Unknown</td>
<td>Top status of Managed target which is registered in NEC ESMPRO Manager Monitoring Tool is Unknown.</td>
</tr>
<tr>
<td>![Normal Icon]</td>
<td>![Normal Icon]</td>
<td>Normal</td>
<td>All Managed target which is registered in NEC ESMPRO Manager Monitoring Tool is Normal.</td>
</tr>
<tr>
<td>![No Monitoring Icon]</td>
<td>![No Monitoring Icon]</td>
<td>No Monitoring</td>
<td>Managed target which is registered in NEC ESMPRO Manager Monitoring Tool does not have monitoring target.</td>
</tr>
<tr>
<td>![Connection Error Icon]</td>
<td>![Connection Error Icon]</td>
<td>Connection Error</td>
<td>NEC ESMPRO Manager Monitoring Tool cannot connect managed target by some error.</td>
</tr>
<tr>
<td>![Startup Icon]</td>
<td>![Startup Icon]</td>
<td>Startup</td>
<td>NEC ESMPRO Manager Monitoring Tool is connecting in managed target.</td>
</tr>
<tr>
<td>![Stop Icon]</td>
<td>![Stop Icon]</td>
<td>Stop</td>
<td>NEC ESMPRO Manager Monitoring Tool does not have managed target or all status monitoring is stopping.</td>
</tr>
</tbody>
</table>
## The relationship between status icons of this tool and NEC ESMPRO Manager Status

The relationship between icons which are used in status screen of this tool and status of NEC ESMPRO Manager is described in this chapter.

<table>
<thead>
<tr>
<th>STATUS OF THIS TOOL</th>
<th>NEC ESMPRO STATUS</th>
<th>STATUS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>×</td>
<td>×</td>
<td>Error</td>
<td>The managed target status is Error.</td>
</tr>
<tr>
<td>!</td>
<td>!</td>
<td>Warning</td>
<td>The managed target status is Warning.</td>
</tr>
<tr>
<td>⏰</td>
<td>⏰</td>
<td>DC-OFF</td>
<td>The managed target status is DC-OFF, POST, or OS Panic.</td>
</tr>
<tr>
<td>?</td>
<td>?</td>
<td>Unknown</td>
<td>The managed target status is Unknown.</td>
</tr>
<tr>
<td>✓</td>
<td>✓</td>
<td>Normal</td>
<td>The managed target status is Normal.</td>
</tr>
<tr>
<td>⏰</td>
<td>🎣</td>
<td>No Monitoring</td>
<td>The managed target status does not have monitoring target.</td>
</tr>
<tr>
<td>?</td>
<td>-</td>
<td>Connection Error</td>
<td>NEC ESMPRO Manager Monitoring Tool cannot connect the managed target.</td>
</tr>
<tr>
<td>⏰</td>
<td>-</td>
<td>Startup</td>
<td>NEC ESMPRO Manager Monitoring Tool is connecting to the managed target.</td>
</tr>
<tr>
<td>×</td>
<td>-</td>
<td>Stop</td>
<td>The managed target is not monitoring.</td>
</tr>
</tbody>
</table>