

Universal RAID Utility NEC ESMPRO Update Setup Procedure

1st Edition June 2008

Introduction

This document describes the installation procedure of the following software.

1. Universal RAID Utility
2. NEC ESMPRO Manager, Agent ESMDiskArray

NEC ESMPRO Manager and NEC ESMPRO Agent provide the environment where you can check the alert condition and statuses on a server (in which NEC ESMPRO Agent is installed) remotely from the AlertViewer and OperationWindow of NEC ESMPRO Manager on a management server. (Icon in green indicates Normal, yellow Warning, and red Error.)

With the previous version of NEC ESMPRO Manager, Agent ESMDiskArray, however, the color (yellow or red) of icon returns to green after a certain period of time although the server is still in the status of warning or error.

This new module allows the user to confirm disk array information on the DataViewer of NEC ESMPRO Manager. Furthermore, when a failure occurs, the color of icon is kept in blue or red (does not change to green) until the alert condition is actually eliminated.

Scope of this document:

Express5800/100 series and Express5800/50 series that uses following RAID system.

- Disk Array Controller [N8103-90] (*)
- RAID Controller(128MB, RAID 0/1) [N8103-116]
- RAID Controller(128MB, RAID 0/1/5/6) [N8103-117]
- RAID Controller(256MB, RAID 0/1/5/6) [N8103-118]
- Internal RAID Controller (N8103-116 or equivalent)
- SAS PCI EXPRESS(TM) ROMB on 140Rf-4 server
- Onboard RAID Controller (LSI Embedded MegaRAID)

* About Disk Array Controller [N8103-90]



Only server supported by RAID System management utility "Universal RAID Utility" is observed about Disk Array Controller [N8103-90].

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Installation

This section describes the procedure of installation of Universal RAID Utility and NEC ESMPRO Manager, Agent ESMDiskArray.

Preparation for installation module

It is necessary to install the following module to use the disk array monitoring function by the NEC ESMPRO Manager and Agent.

1. NEC ESMPRO Manager ESMDiskArray Ver1.31, NEC ESMPRO Agent ESMDiskArray Ver1.50 or later
2. Universal RAID Utility Ver1.30 or later

Please refer to the user's guide of each software for a detailed procedure of the installation.

Procedure of Installation

Perform the following procedure to install the software:

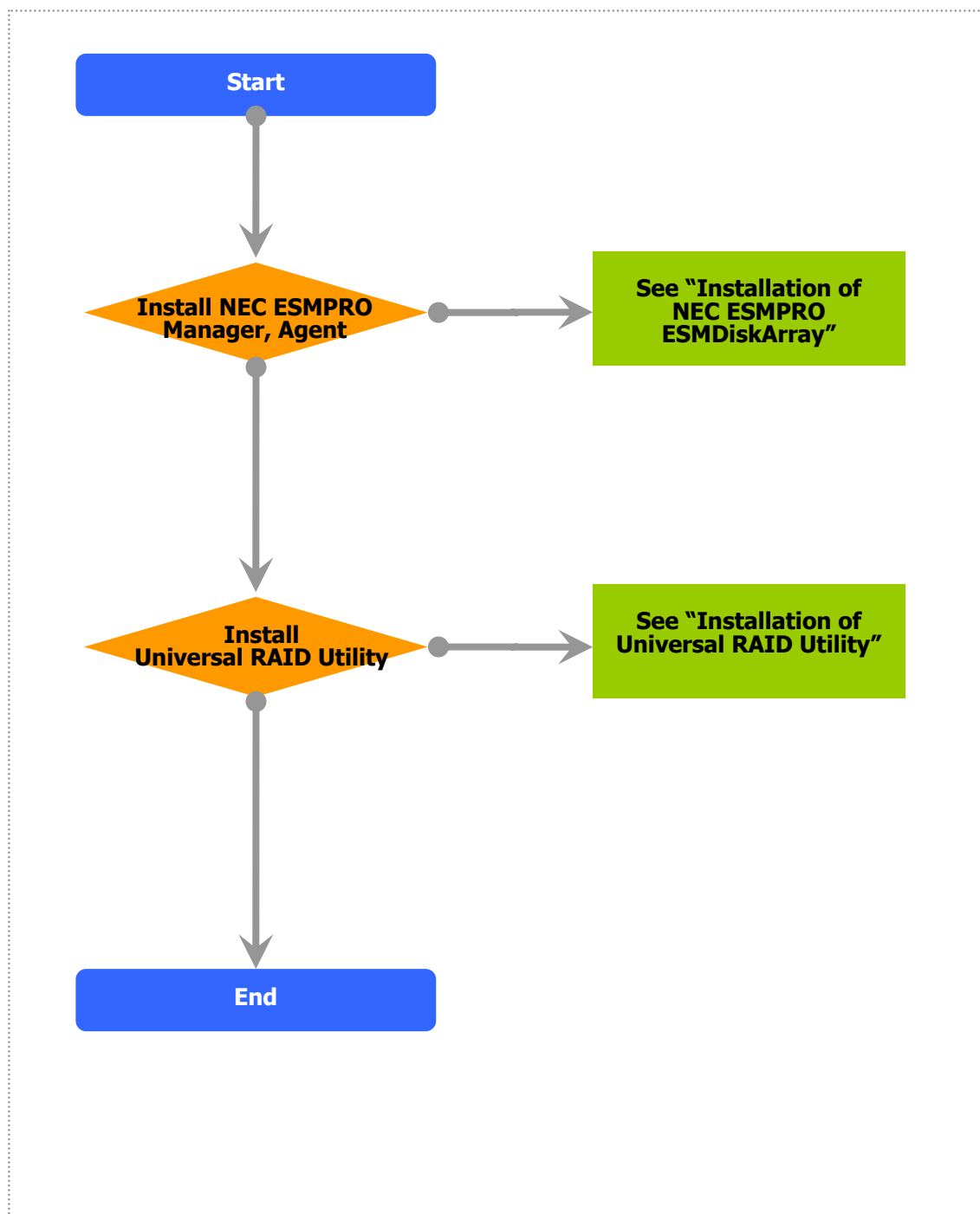


Figure1 The procedure of setup

*About the order of installing software



Execute the installation of Universal RAID Utility after installing NEC ESMPRO Agent ESMDiskArray. The alert of Universal RAID Utility is not correctly informed of when order is mistaken.

Installation of NEC ESMPRO ESMDiskArray

This section describes the procedure of installation of NEC ESMPRO Manager, Agent ESMDiskArray.

Please refer to "NEC ESMPRO Manager, Agent ESMDiskArray Installation Guide" (The file name: esmpro_da_ug_150e.pdf) for the method of installing the ESMDiskArray monitoring function. But, there is the case that NEC ESMPRO ESMDiskArray is already installed in your computer. About uselessness of installation required, please confirm it by the following methods.

- NEC ESMPRO Manager

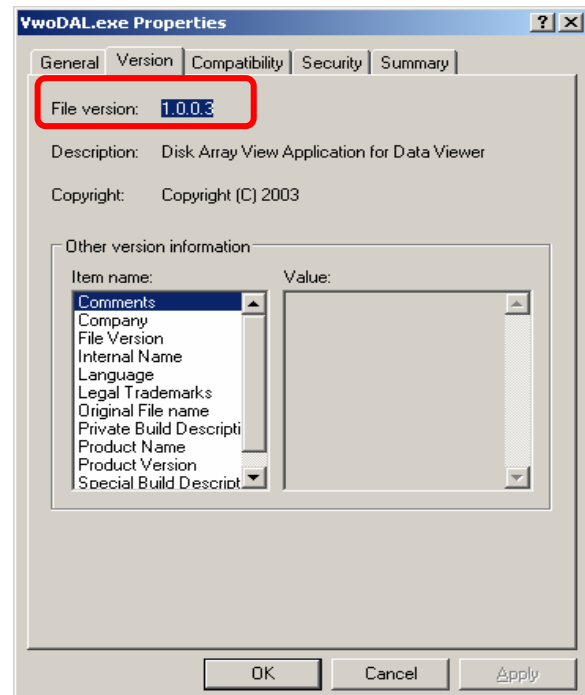
See a file version in property of the below file.

[CPU architecture (x86)]
%SystemDrive%\Program
Files\ESMPRO\ESMSM\bin\VwoDAL.exe

[CPU architecture (x64)]
%SystemDrive%\Program Files
(x86)\ESMPRO\ESMSM\bin\VwoDAL.exe

In case of "The file doesn't exist." or "A file
version is older than 1.0.0.3."
Install NEC ESMPRO Manager ESMDiskArray.

In case of "A file version is the same as
1.0.0.3." or "A file version is newer than
1.0.0.3"
Not install it. You can monitor.



- NEC ESMPRO Agent

Confirm the existence of the file.

%EsmDir%\esmda\inf\esmmasm.inf

The file exists.
Install NEC ESMPRO Agent ESMDiskArray.

The file doesn't exist.
Not install it. You can monitor.

Installation of Universal RAID Utility

This section describes the procedure of installation of Universal RAID Utility.

Please refer to "Universal RAID Utility User's Guide" (The file name: SG_URUE.pdf) for the method of installing the Universal RAID Utility Ver1.30 or later.

But, there is the case that Universal RAID Utility is already installed in your computer. About uselessness of installation required, please confirm it by the following methods.

- Confirmation of version of Universal RAID Utility

See the below file by notepad or text editor.
Refer to the first line.

[CPU architecture (x86)]

%SystemDrive%\Program Files\Universal
RAID Utility\server\version.txt

[CPU architecture (x64)]

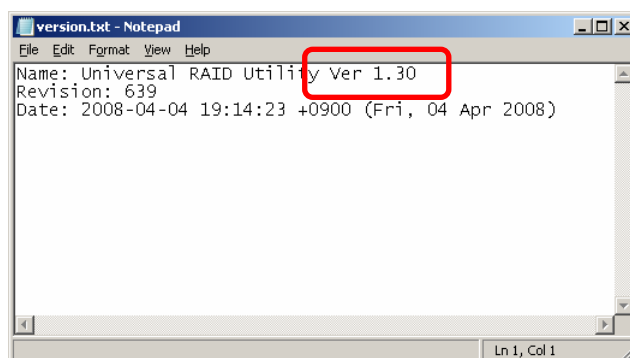
%SystemDrive%\Program Files (x86)
\Universal RAID Utility\server\version.txt

A version is older than 1.30.

Install Universal RAID Utility Ver1.30 or later.

A version is the same as 1.30 or newer than
1.30

Not install it. You can monitor.



Note

This section describes the notes use of this software.

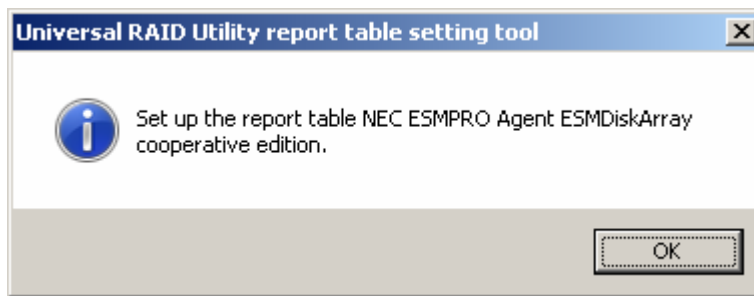
The report table of Universal RAID Utility

When you do the following operation by installing Universal RAID Utility, it is necessary to update the report table setting of Universal RAID Utility up to date.
Open the server folder that exists in the installation folder of Universal RAID Utility. Execute chreptbl.exe by the manager authority. As a result, the report table setting of Universal RAID Utility is set to the same content as the environment when executing it.

<Case for which report table re-setting of Universal RAID Utility is necessary>

- Install NEC ESMPRO Agent ESMDiskArray Ver1.50 or later.
- Update install NEC ESMPRO Agent
- Uninstall NEC ESMPRO Agent

[NEC ESMPRO Agent ESMDiskArray Ver1.50 or later has already been installed]



[NEC ESMPRO Agent ESMDiskArray Ver1.50 or later is not installed]

