

Hitachi Storage Navigator Modular 2

V9.03 Release Notes

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About This Document

This release note document provides late-breaking information about the Hitachi Storage Navigator Modular 2 Storage Management Software (abbreviated Navigator 2). It includes information that was not available at the time the technical documentation for this product was published, as well as a list of known problems and solutions.

Intended Audience

This document is intended for Hitachi Data Systems customers and authorized service partners who license and use Navigator 2 to implement a tiered storage solution and manage the data lifecycle on a Hitachi Adaptable Modular Storage 2000 Family and Simple Modular Storage 100 arrays.

Getting Help

If you purchased this product from an authorized HDS reseller, contact that reseller for support. For the name of your nearest HDS authorized reseller, refer to the HDS support Web site for locations and contact information. To contact the Hitachi Data Systems Support Center, please visit the HDS Web site for current telephone numbers and other contact information: <http://support.hds.com>.

About This Release

This release covers version 9.03 of Hitachi Storage Navigator Modular 2 storage management software that manages the Hitachi Adaptable Modular Storage 2000 Family (AMS) and Simple Modular Storage 100 (SMS) systems.

Key Product Features

Navigator 2 consists of a graphical user interface (GUI), and underlying software that is used to configure and manage the storage functions on the Hitachi AMS and SMS arrays. The general features and capabilities of Navigator 2 are described in the following table.

Navigator 2 Key Features for AMS and SMS

Function	Description	AMS	SMS
		Firmware support	Firmware support
Add Array	This feature uses a wizard to guide Storage Administrators through the discovery of the arrays.	✓ 0800/A and later	✓ 1800/A and later
Initial Setup	This feature uses a wizard to guide Storage Administrators through the configuration of the array for operation in their environment.	✓ 0800/A and later	✓ 1800/A and later

New Product Features

Function	Description	AMS	SMS
		Firmware support	Firmware support
License Installation	This feature provides installation and management of array-based storage features software.	✓ 0832/A and later	✓ 1810/A and later
Create Logical Units	This feature is used to create and allocate volumes to hosts.	✓ 0832/A and later	✓ 1810/A and later
Performance	This feature provides output text file of performance and tuning parameter.	✓ 0800/A and later	✓ 1800/A and later
Update Firmware	This online feature is used to upgrade the array firmware.	✓ 0832/A and later	✓ 1810/A and later
Backup	This feature provides backup of the array volumes.	✓ 0832/A and later	✓ 1810/A and later
Monitor Alerts	This feature is used to monitor the health of the arrays.	✓ 0832/A and later	✓ 1810/A and later

New Product Features

Navigator 2 adds the following new features to the storage management operations.

Navigator 2 New Features for AMS and SMS

Function	Description	AMS	SMS
		Firmware support	Firmware support
Port Option	CPU load reduction for cross-CTL I/O mode is supported.	✓ 0885/F and later (except 0888/A and 0890/A)	✓ 1885/F and later (except 1888/A and 1890/A)
SATA Write & Compare	SATA Write & Compare Mode Management is supported for CLI.	✓ 0885/A and later	N/A

Improvement Features

Navigator 2 adds the following improvement features to the storage management operations.

Navigator 2 Improvement Features for AMS and SMS

Function	Description	AMS	SMS
		Firmware support	Firmware support
Create & Map Volume Wizard	When a RAID group is created in Create & Map Volume Wizard, the RAID Level that is selected by default is changed to RAID5 in all drive types.	✓ 0800/A and later	✓ 1800/A and later
CLI	CLI file name adds "P01" to current it.	✓ 0800/A and later	✓ 1800/A and later
Alert & Event	It is improved expression of Recovery Procedure.	✓ 0800/A and later	✓ 1800/A and later

New System and Hardware Requirements

Navigator 2 runs on systems that meet the following specifications:

- Operating systems:
 - Microsoft Windows 2000 (SP3, SP4)
 - Microsoft Windows XP (SP2)
 - Microsoft Windows VISTA
 - Microsoft Windows 2003 (SP2)
 - Microsoft Windows Server 2008 (SP2)
 - Microsoft Windows Server 2008 (SP2) (x64)
 - Solaris 8, 9 and 10
 - Solaris 10 (x64)
 - Red Hat Enterprise Linux 4 Update 1, Red Hat Enterprise Linux 4 Update 5
 - Windows XP and Windows 2003 R2 operated as a GUEST OS for the VMware ESX Server 3.1.x.
- 1GHz Intel processor (2.4 GHz dual processor recommended)
- 1 GB Random Access Memory (2 GB recommended)
- 1.5 GB of available disk space
- Browsers
 - Internet Explorer 6 (SP1, SP2) for Microsoft Windows 2000, XP, 2003
 - Internet Explorer 7 for Microsoft Windows VISTA, 2008
 - Mozilla 1.7 for Red Hat Enterprise Linux 4 Update 1
 - Mozilla 1.7 for Solaris 8, 9 and 10
 - Firefox2 for Solaris 10

Fixed Problems

- Countermeasure that a host group cannot be removed and initialized.

Known Problems

None

Notes on Installation

The AMS and SMS User's Guides contain instructions to install Navigator 2. However, if you need to reinstall or upgrade the software, you must first uninstall the currently installed software. The user's guide does not contain uninstallation instructions. These instructions are included below.

To uninstall Navigator 2:

1. Close all Navigator 2 windows, including any help windows that are open.
2. Stop all Navigator 2-related services.
 - a. Locate the file `\\.....HiCommand\Base\bin\hcmdssrv.exe`. The default location is:
`C:\Program Files\HiCommand\Base\bin\hcmdssrv.exe`
 - b. In a command (DOS) window that is started from the above directory, enter the command
`hcmdssrv /stop`
3. When the services stop, select **Start > Settings > Control Panel > Add/Remove Programs**.
4. Wait until the list is populated (this can take several minutes, depending on the number of installed applications).
5. Select **Hitachi Storage Navigator Modular 2**.
6. Click **Remove Program**.



Note: The removal process can take several minutes. During this time, the progress indicator may appear to stop for a minute or more. Please let the program run to completion.

Notes on Advanced Settings

Please note the following issues with using the Advanced Settings:

1. You must install JRE 1.6.0 (6.0) on the client machine (where the browser is launched). You can download the JRE from <http://java.com/en/download/>.
2. You should have installed SNM2 with the default port settings of 1099.
3. You must configure the Java Runtime Parameters manually to include `-Xmx192m`.

For Windows:

1. In the Windows Start menu, choose Settings, Control Panel.
2. From the Control Panel, select the Java.
3. Click View of the upper position in the Java tab.
4. Enter `-Xmx192m` to the Java Runtime Parameters field.



Note: It is necessary to set the Java Runtime Parameters to display the Applet screen.

5. Click **OK**.
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6. Click **OK** in the **Java** tab.
7. Close the **Control Panel**.

For Linux and Solaris:

1. Run the Java Control Panel from XWindow terminal executing the `<JRE installed directory>/bin/jcontrol`.
2. Click **View** of the upper position in the **Java** tab.
3. Enter `-Xmx192m` to the Java Runtime Parameters field.



Note: It is necessary to set the Java Runtime Parameters to display the Applet screen.

4. Click **OK**.
5. Click **OK** in the **Java** tab.
6. Click **Close** right of the dialog to close the window.
7. If you close the dialog using the **X** button, the session will remain open and you will not be able to use Advanced Settings until 30 minutes have passed.

Documentation

Related Documents

None

Documentation Update

None.

Documentation Errata

None.