

Hitachi File Services Manager v6.4.8-05 Release Notes

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About this document

This document (RN-90HDI013-70, January 2022) provides information about Hitachi File Services Manager 6.4.8-05. It includes information that was not available at the time the documentation for this product was published as well as a list of known problems and solutions.

Intended audience

This document is intended for customers and Hitachi Vantara partners who license and use Hitachi File Services Manager.

Getting help

Hitachi Vantara Support Connect is the destination for technical support of products and solutions sold by Hitachi Vantara. To contact technical support, log on to Hitachi Vantara Support Connect for contact information:

https://support.hitachivantara.com/en_us/contact-us.html.

Hitachi Vantara Community is a global online community for customers, partners, independent software vendors, employees, and prospects. It is the destination to get answers, discover insights, and make connections. **Join the conversation today!** Go to community.hitachivantara.com, register, and complete your profile.

About this release

This release provides new support and resolves known problems.

Product package contents

Table 1. Product package contents

Medium	Product name	Revision
DVD-R	Hitachi File Services Manager	6.4.8-05

New features and enhancements

Table 2. New Features and enhancements

No	Contents	Revision
1	The version of Java to be used is changed to 1.8.0u251.	6.4.8-00
2	The version of Java to be used is changed to 1.8.0u261.	6.4.8-01

No	Contents	Revision
3	The version of Java to be used is changed to 1.8.0u271.	6.4.8-02
4	The version of Java to be used is changed to 1.8.0u281.	6.4.8-03
5	Microsoft Edge is supported for the WWW browser of management console. (For details, see Hitachi Data Ingestor Functionality Release Schedule)	6.4.8-05
6	The version of Java to be used is changed to 1.8.0u291. Note that communication with a node of HDI 6.1.0 or earlier is disabled by default because of the Java security enhancement. To perform software update for the node of HDI 6.1.0 or earlier, see Precautions 11).	6.4.8-05

Requirements

Operating System Requirements

Table 3. Supported platforms for Hitachi File Services Manager management server

Operating Systems
Windows Server 2012 <ul style="list-style-type: none"> Windows Server 2012 Datacenter Windows Server 2012 Standard
Windows Server 2012 R2 <ul style="list-style-type: none"> Windows Server 2012 R2 Datacenter Windows Server 2012 R2 Standard
Windows Server 2016 <ul style="list-style-type: none"> Windows Server 2016 Datacenter Windows Server 2016 Standard
Windows Server 2019 <ul style="list-style-type: none"> Windows Server 2019 Datacenter Windows Server 2019 Standard

Table 4. Supported platforms for Hitachi File Services Manager management console

Operating Systems
Windows 8.1 <ul style="list-style-type: none">• Windows 8.1• Windows 8.1 Enterprise• Windows 8.1 Pro
Windows 8.1 x64 Editions <ul style="list-style-type: none">• Windows 8.1• Windows 8.1 Enterprise• Windows 8.1 Pro
Windows Server 2012 <ul style="list-style-type: none">• Windows Server 2012, Datacenter• Windows Server 2012, Standard
Windows Server 2012 R2 <ul style="list-style-type: none">• Windows Server 2012 R2, Datacenter• Windows Server 2012 R2, Standard
Windows 10 <ul style="list-style-type: none">• Windows 10 Home• Windows 10 Enterprise• Windows 10 Pro• Windows 10 Education
Windows 10 x64 Edition <ul style="list-style-type: none">• Windows 10 Home• Windows 10 Enterprise• Windows 10 Pro• Windows 10 Education
Windows Server 2016 <ul style="list-style-type: none">• Windows Server 2016 Datacenter• Windows Server 2016 Standard

Operating Systems
Windows Server 2019 <ul style="list-style-type: none"> • Windows Server 2019 Datacenter • Windows Server 2019 Standard
Red Hat Enterprise Linux 6.4

Required Web browser

Table 5. Supported Web browser for Hitachi File Services Manager management console

Web browser	Remark
Internet Explorer 11.0 #1, #2	32-bit, Desktop version
Mozilla Firefox ESR 45.x #3	x86 version
Mozilla Firefox ESR 52.x #3	x86 version
Microsoft Edge 92.x #1	

#1: The version of the target management node should be Hitachi Data Ingestor 4.2.0-00 or later.

#2: If an operation to open a different window or tab is performed, an unnecessary window may be opened concurrently. For the case, see the usage precaution.

#3: The version of Hitachi File Services Manager should be 6.1.2-00 or later.

Required Programs for Processing Node

Hitachi Data Ingestor is required on the network node controllers.

Memory and Disk Space Requirements

The following table lists memory and disk space requirements for Hitachi File Services Manager.

Table 6. Hitachi File Services Manager Requirements

Program Name	Memory	Disk Space
Hitachi File Services Manager	2 GB	4 GB

Restrictions

- On the page of Task Management dialog, some keyboard operations may not be available. For example, choosing items from the pull-down menu cannot be done from the keyboard.
- In case the user sets the migration interval for 4 weeks with either of `arcmigset` or `arcmigedit` command, the operation you have done through [Task Edit] in migration task window will not be reflected to the settings.
- User cannot specify a character which consists of 4 bytes code in UTF-8 to following field.
 - [Task Comment] field in [Add Task] and [Edit Task]
 - [File name] field and [Directory path] field in policy information
 - Arguments of `arcmigset` and `arcmigedit` commands
- When combining with HCP, do not use symbols (other than alphabets and numbers) for a user name or password of HCP tenant administrator.
- By using HFSM 6.1.1 or later, you cannot manage HDI 5.4.1 and update from HDI 5.4.1 to any version. Please use HFSM 5.4.1 for updating to and managing HDI 5.4.1. In case you want to manage HDI nodes with HFSM 6.1.1 or later, please update to HDI 6.1.1 or later and do not update to HDI 5.4.1.
- When updating the node software from HFSM using Firefox, the screen may be frozen during the update. In this case, click [Refresh Tree] to update the information on the window, and then verify that the system version of both nodes is installed software version.

Precautions

- 1) Hitachi File Services Manager version 6.4.2-00 and later cannot manage nodes with the software earlier than 6.4.2-00 installed. For the procedure to upgrade the node software, refer to "Updating software" in Hitachi Data Ingestor Cluster Administrator's Guide.
- 2) Precaution of install the related programs in the same computer as Hitachi File Services Manager

When installing the following programs into the same computer as Hitachi File Services Manager, upgrading is required to the following version:

- a) Hitachi Device Manager 8.5.2 or later.
- b) Hitachi Compute Systems Manager 7.5.1-00 or later.
- c) JP1/Automatic Operation 10-10 or later.
- d) SVP software for VSP Gx00 series which can coexist with HFSM is version 83-03-01-XX/XX or later

- 3) When installing the following programs into the same computer as Hitachi File Services Manager, upgrading is required to the following version:

'Automatic LU creation' functionality is used to create an LU easily without considering the RAID group. Note the following points when you use this functionality:

- a) Do not share the storage subsystem with another HDI or SAN.
 - b) 'Automatic LU creation' cannot choose RAID group and disk drive to create an LU. Therefore, the following may occur:
 - i. A RAID group may unintentionally be created on the disk drive.
 - ii. An LU may unintentionally be created at the RAID group.
 - c) If you want to operate the system in a high performance or high load environment, use Storage Navigator Modular 2 to create RAID group and LU.
- 4) Precaution of update installation on that plugged into the Device Manager GUI environment

When the update installation is done to the environment that plugged into the Device Manager GUI, the plugged into the Device Manager GUI is released. Therefore, please set the administrator authentication of Hitachi File Services Manager after installation has been done, if necessary.

- 5) Precaution of Migration Management

The management method of the HCP was changed to improve operability of the tenant management. When the migrating data to HCP has been used, either of the following setting is necessary.

- a) Register the tenant administrator account on HCP that the same name and same password as the data access account.
 - b) Settings of the tenant administrator is required by using HCP Settings of Configuration Wizard.
- 6) Precaution of HCP Settings in Configuration Wizard

The namespace named system-backup-data is allocated automatically for Backups of the system construction information, and the information is backed up.

- 7) Precaution of update installation for Hitachi Data Ingestor earlier than 4.0.0-00

One tenant becomes available to use from several systems. When the migrating data to HCP had been used before update, please confirm to the HCP administrator that the namespace named system-backup-data is already created.

- 8) Usage precaution for Internet Explorer 11.0 as Management console

An operation to open different window or tab by a click of anchor or button on the window may cause an unnecessary window (such as blank or in transition window) to be opened concurrently. In this case, close the unnecessary window. If this problem persists, create a new Windows user account and then operate the browser with the new user.

In addition, when the operating system of the management console is Windows Server 2012 R2, Windows 8.1 or Windows 10, white line under tab in dialogue, black line under the tab in the main console might be displayed, however those lines do not affect the operation of the management console.

9) Precaution when update installation

When a character string consisting of 65 or more characters is specified for --key-passwd as a password of private key for public key certificate prepared by administrator, access from a browser is disabled at update installation. For this, run the certctl command with --reset option specified to initialize the set certificate before the update installation to a version 6.1.1-00 or later.

During the course of update installation, below anomalies occur on HDI Single node and Cluster model in case the certificate is NOT initialized. After the completion of node0 update installation, node restart fails then HFSM access to the nodes becomes unavailable with spitting out KAQM20046-E message on HFSM screen.

Please perform below procedure for the recovery.

1. Login to node1 via ssh and execute following steps.

- 1) Confirm the cluster node and resource group status as below by clstatus command.
 - a) Node status: node 0 is "INACTIVE", node1 is "UP"
 - b) Resource Group status: Resource groups of both nodes are running on node1 and show status "Online"
- 2) Confirm the HDI version is NOT updated, by versionlist command.
- 3) Initialize certificate by certctl command with reset option (--reset).

2. Login to node0 via ssh and execute following steps.

- 1) Confirm the HDI version is updated, by versionlist command.
- 2) Initialize certificate by certctl command with reset option (--reset).
- 3) Start node0 by ndstart command.
- 4) Confirm node0 status is "UP" by clstatus command.

3. Login to HFSM to perform following steps.

- 1) Execute "Refresh Processing Node" to check connection error doesn't occur.
- 2) Failover both resource groups to node0 from "Cluster Management" screen.
- 3) Execute "Refresh Processing Node" to refresh the HFSM information.
- 4) Execute "Update Software" from "System Software" pane to update node1.
- 5) After the completion of update install, confirm HDI version of both nodes are up to date

- 6) Both resource groups are running on node0. Failback one of the resource group whose default host node is node1.

10) Caution for WWW browser security setting

On the security setting in the Advanced tab on WWW browser connected to HDI or management server, clear check boxes for Use SSL2.0 and Use SSL3.0.

11) Caution for software update on HDI node version 6.1.0 or earlier

Default TLS version for the communication between the management server and the HDI is TLSv1.2 from HFSM 6.2.0. Therefore HFSM cannot communicate with a HDI 6.1.0 or earlier by default.

To perform software update on a HDI node whose version is 6.1.0 or earlier, first set the TLS version for the communication between the management server and the node in accordance with the procedure below. When the update installation for all nodes is complete, turn the TLS setting back to the previous one.

If JDK has been changed to Oracle JDK, change the JDK back to the one shipped with the product before taking the procedure below.

After the software of the node is updated, change the JDK to Oracle JDK again. For the JDK change, see Changing the JDK in 7 Installing Hitachi File Services Manager and Setting Up Its Environment in Installation and Configuration Guide.

1. If user.conf exists in *Hitachi-Command-Suite-Common-Component-installation-folder*\conf folder of the management server, add a row. If it does not exist, newly create it with the content below.

```
ssl.protocol=TLSv1
```

2. On the management server, run the following command in command prompt with administrator role.

```
Hitachi-File-Services-Manager-installation-  
folder\bin\hnaasmEnableOldNode.bat
```

Make sure the settings are enabled by running the following command at a command prompt with administrator privileges.

```
Hitachi-File-Services-Manager-installation-  
folder\bin\hnaasmShowOldNodeSetting.bat  
"KAQM21030-I The old node connection setting is Enable."
```

Make sure that the message content is "Enable".

3. Select **Stop - HFSM** from File Services Manager of Hitachi Command Suite in the **Start** menu of the management server to stop HFSM.

4. Select **Start - HFSM** from **File Services Manager of Hitachi Command Suite** in the **Start** menu of the management server to start HFSM.
5. Click **Refresh Processing Node** of HFSM to refresh the node.
6. Perform software update on node with HFSM. For the procedure to update the software, refer to "Updating software" page on 14-3 in Hitachi Data Ingestor Cluster Administrator's Guide.
7. When the software update is complete, turn back Hitachi-Command-Suite-Common-Component-installation-folder\confuser.conf of the management server as it was before step 1. (If a row is added, delete the row. If a file is newly created, delete the file)
8. On the management server, run the following command in command prompt with administrator role.

```
Hitachi-File-Services-Manager-installation-  
folder\bin\hnaasmDisableOldNode.bat
```

Make sure the settings are disabled by running the following command at a command prompt with administrator privileges.

```
Hitachi-File-Services-Manager-installation-  
folder\bin\hnaasmShowOldNodeSetting.bat  
"KAQM21030-I The old node connection setting is Disable."
```

Make sure that the message content is "Disable".

9. Select **Stop - HFSM** from File Services Manager of Hitachi Command Suite in the **Start** menu of the management server to stop HFSM.
If other Hitachi Command Suite products are installed, stop all HCS products.
10. Select **Start - HFSM** from File Services Manager of Hitachi Command Suite in the **Start** menu of the management server to start HFSM.
If other Hitachi Command Suite products are installed, start all HCS products.
11. Click **Refresh Processing Node** of HFSM to refresh the node.
Caution for creating a file system when On (Read/Write) is selected for Content sharing: The list of namespaces to select as a migration target HCP system in the **Create File System** dialog box includes namespaces that do not allow read/write access (the scenario is not applicable if you are creating a new namespace).
Make sure that the namespace you select allows read/write access.
Use the **Test Connection** button on the screen to ensure connection to the HCP system before creating a file system.

Documentation corrections

Table 7. Corrections for "Hitachi Data Ingestor Error Codes"

No	Location to be corrected	Corrections	
1	KAQM37 messages	Before	<p>Message:</p> <p>Restoration of a data-referencing file system failed. (reason = {insufficient memory no disk space HCP communication error authentication error some other error}, file system name = <i>file-system-name</i>)</p>
	<p>Table 5-25 KAQM37 messages</p> <p>Message ID: KAQM37228-E</p>	After	<p>Message:</p> <p>Restoration of a data-referencing file system failed. (reason = {insufficient memory no disk space HCP communication error authentication error lock timeout some other error}, file system name = <i>file-system-name</i>)</p>
2	Table 3-1 KAQG messages	Add	<p>Message ID: KAQG52069-E</p> <p>Message:</p> <p>Acquisition of a lock failed during execution of a command. Wait a while, and then execute the command again.</p> <p>Description and Action:</p> <p>Acquisition of a lock failed during execution of a command.</p> <p>(O)</p> <p>Wait a while, and then execute the command again. If the error persists, acquire all the log data, and then contact maintenance personnel.</p>
3	<p>KAQM26 messages</p> <p>Table 5-19 KAQM26 messages</p>	Add	<p>Message ID: KAQM26053-W</p> <p>Message:</p> <p>Failed to load migration task.</p> <p>Description and Action:</p> <p>The migration task could not be loaded because the file system name could not be acquired.</p> <p>(O)</p> <p>Collect all log data, and then contact maintenance personnel.</p>

No	Location to be corrected	Corrections	
4	KAQM26 messages Table 5-19 KAQM26 messages	Add	<p>Message ID: KAQM26154-E</p> <p>Message: The node to connect to is not supported. Make sure the node to be connected is correct.</p> <p>Description and Action: The connected node is not supported.</p> <p>(O)</p> <p>Check the node to connect to. If the destination node is correct, download a program of HDI Single Node GUI from the node, and perform the installation of the HDI Single Node GUI.</p>
5	KAQM26 messages Table 5-19 KAQM26 messages	Add	<p>Message ID: KAQM26155-E</p> <p>Message: The node to connect to is not supported. Perform update installation to the node. In the case you cannot perform update installation, use command for management or use GUI via browser.</p> <p>Description and Action: The node cannot be connected because the version of the connected node is old.</p> <p>(O)</p> <p>Perform update installation to the node. In the case you cannot perform update installation, use command for management or check the version of the node and use the corresponding GUI.</p>
6	KAQM26 messages Table 5-19 KAQM26 messages	Add	<p>Message ID: KAQM26156-E</p> <p>Message: As the version of the node to connect to is new, the node cannot be connected. Download the program of Single Node GUI from the following URL and perform the update installation.</p> <p>Description and Action: The node cannot be connected because the version of the connected node is new.</p>

No	Location to be corrected	Corrections	
			<p>(O)</p> <p>Download a program of HDI Single Node GUI from the node, and perform the installation of the HDI Single Node GUI.</p>
7	<p>KAQM26 messages</p> <p>Table 5-19 KAQM26 messages</p> <p>KAQM26154-E</p>	Before	<p>Description and Action:</p> <p>The connected node is not supported.</p> <p>(O)</p> <p>Check the node to connect to. If the destination node is correct, download a program of HDI Single Node GUI from the node, and perform the installation of the HDI Single Node GUI.</p>
		After	<p>Description and Action:</p> <p>The connected node is not supported.</p> <p>(O)</p> <p>Check the node to connect to. If the destination node is correct, install the HDI Single Node GUI with either way of the following.</p> <p>(1) Download the program from the node and perform the installation.</p> <p>(2) Perform the installation from the installation media if you have them.</p> <p>For details of installing Single Node GUI, see "Configuring an environment" in the Hitachi Data Ingestor Single Node Getting Started Guide.</p>
8	<p>KAQM26 messages</p> <p>Table 5-19 KAQM26 messages</p> <p>KAQM26156-E</p>	Before	<p>Message:</p> <p>As the version of the node to connect to is new, the node cannot be connected. Download the program of Single Node GUI from the following URL and perform the update installation.</p> <p>Description and Action:</p> <p>The node cannot be connected because the version of the connected node is new.</p> <p>(O)</p> <p>Download a program of HDI Single Node GUI from the node, and perform the installation of the HDI Single Node GUI.</p>

No	Location to be corrected	Corrections	
		After	<p>Message:</p> <p>As the version of the node to connect to is new, the node cannot be connected. Install the latest program of the single node GUI.</p> <p>Description and Action:</p> <p>The node cannot be connected because the version of the connected node is new.</p> <p>(O)</p> <p>Install the HDI single node GUI with either way of the following.</p> <p>(1) Download the program from the node and perform the installation.</p> <p>(2) Perform the installation from the installation media if you have them.</p> <p>For details of installing Single Node GUI, see "Configuring an environment" in the Hitachi Data Ingestor Single Node Getting Started Guide.</p>
9	KAQM20 messages Table 5-14 KAQM20 messages KAQM20046-E	Before	<p>Description and Action:</p> <p>The system software installation timed out.</p> <p>(O)</p> <p>Wait a while, perform refresh processing, and then confirm that the system software has been updated. If node information could not be acquired, check the boot status of the OS. If the OS is not running, start the OS and then retry the installation of the system software. If the problem cannot be resolved, acquire all the log files and the management server log files, and then contact maintenance personnel. See online Help for a list of the log files.</p>
		After	<p>Description and Action:</p> <p>The system software installation timed out.</p> <p>(O)</p> <p>Wait a while, perform refresh processing, and then confirm that the system software has been updated. If node information could not be acquired, check the boot status of the OS. If the OS is running, communication with the node may have failed because the certificate was not imported correctly. Import the certificate according to the manual, and then perform the refresh process again. If the OS is not running, start the OS and then retry the installation of the system software. If the</p>

No	Location to be corrected	Corrections	
			<p>problem cannot be resolved, acquire all the log files and the management server log files, and then contact maintenance personnel. See online Help for a list of the log files.</p>
10	<p>KAQM23 messages Table 5-16 KAQM23 messages</p>	Add	<p>Message ID: KAQM23038-E</p> <p>Message: The operation has not executed because an error occurred during refresh operation. (Processing node name or physical node name or virtual server name = processing-node-name-or-Physical-node-name-or-virtual-server-name)</p> <p>Description and Action: The operation cannot be executed because an error occurred during refresh operation. (O) Restart File Services Manager server, and then try again. If the error continues to occur after restarting File Services Manager server, acquire all the log files and then contact maintenance personnel.</p>
11	Trademark	Add	<p>Microsoft Edge are registered trademarks or trademarks of Microsoft Corporation.</p>
12	Abbreviation conventions	Add	<p>Abbreviation Microsoft Edge</p> <p>Full name or meaning Microsoft Edge(R)</p>
13	<p>KAQM21 messages Table 5-15 KAQM21 messages</p>	Add	<p>Message ID KAQM21030-I</p> <p>Message The old node connection setting is <Enable or Disable>.</p> <p>Description and Action No action is required.</p>
14	KAQM21 messages	Add	<p>Message ID KAQM21031-I</p> <p>Message</p>

No	Location to be corrected	Corrections	
	Table 5-15 KAQM21 messages		<p>Rewrite of the configuration file is complete.</p> <p>Description and Action</p> <p>No action is required.</p>
15	<p>KAQM21 messages</p> <p>Table 5-15 KAQM21 messages</p>	Add	<p>Message ID</p> <p>KAQM21032-E</p> <p>Message</p> <p>Please executing with administrator privileges.</p> <p>Description and Action</p> <p>The user must have administrator permissions to execute this command.</p> <p>(O)</p> <p>The user must have administrator permissions.</p>
16	<p>KAQM21 messages</p> <p>Table 5-15 KAQM21 messages</p>	Add	<p>Message ID</p> <p>KAQM21033-E</p> <p>Message</p> <p>The process has stopped because the JDK bundled with the product has been switched. Switch to the JDK bundled with the product, and then try again.</p> <p>Description and Action</p> <p>The process has stopped because the JDK bundle included in the product has been switched.</p> <p>(O)</p> <p>Use the hcmds64chgjdk command to revert the JDK to the JDK bundled with the product.</p>
17	<p>KAQM21 messages</p> <p>Table 5-15 KAQM21 messages</p>	Add	<p>Message ID</p> <p>KAQM21034-E</p> <p>Message</p> <p>The configuration file was not found. Please re-install the File Services Manager.</p> <p>Description and Action</p> <p>Hitachi Command Suite Common Component might not have been installed correctly.</p>

No	Location to be corrected	Corrections	
			<p>(O)</p> <p>Re-install Hitachi File Services Manager.</p>
18	<p>KAQM21 messages</p> <p>Table 5-15</p> <p>KAQM21 messages</p>	Add	<p>Message ID</p> <p>KAQM21035-E</p> <p>Message</p> <p>The operation was cancelled because there is a possibility the configuration file was updated, before this command executed.</p> <p>Description and Action</p> <p>The Java security settings file may have been edited before the command was executed.</p> <p>(O)</p> <p>Acquire the management server log files, and then contact maintenance personnel.</p>
19	<p>KAQM21 messages</p> <p>Table 5-15</p> <p>KAQM21 messages</p>	Add	<p>Message ID</p> <p>KAQM21036-E</p> <p>Message</p> <p>An attempt to write the configuration file has failed.</p> <p>Description and Action</p> <p>An error occurred while writing the Java security settings file.</p> <p>(O)</p> <p>Re-install Hitachi File Services Manager.</p>
20	<p>KAQM21 messages</p> <p>Table 5-15</p> <p>KAQM21 messages</p>	Add	<p>Message ID</p> <p>KAQM21037-E</p> <p>Message</p> <p>Processing has failed.<return code></p> <p>Description and Action</p> <p>Processing has failed.</p> <p>(O)</p> <p>Try again, because the error might be temporary. If an error continues to occur, acquire the management server log files, and then contact maintenance personnel.</p>

Table 8. Corrections for "Hitachi Data Ingestor CLI Administrator's Guide"

No	Location to be corrected	Corrections	
1	Table 2-107 Return values of the cifsoplist command	Add	Return value: 65 Description: Acquisition of a lock failed during execution of a command. Solve the problem by following the instructions in the output message, and then retry the operation, as necessary. If this error occurs repeatedly, contact maintenance personnel.
2	Table 2-108 Return values of the cifsopset command	Add	Return value: 65 Description: Acquisition of a lock failed during execution of a command. Solve the problem by following the instructions in the output message, and then retry the operation, as necessary. If this error occurs repeatedly, contact maintenance personnel.
3	Table 2-100 Return values of the cifsinfogetctl command	Add	Return value: 65 Description: Acquisition of a lock failed during execution of a command. Solve the problem by following the instructions in the output message, and then retry the operation, as necessary. If this error occurs repeatedly, contact maintenance personnel.

Table 9. Corrections for "Hitachi Data Ingestor Cluster Administrator's Guide"

No	Location to be corrected	Corrections	
1	Table C-295 Task Status	Add	Policy Inconsistency The policy of the migration task is inconsistent. The migration task cannot be executed. Delete the migration task and add a migration task again.
2	Trademark	Add	Microsoft Edge are registered trademarks or trademarks of Microsoft Corporation.

No	Location to be corrected	Corrections	
3	Abbreviation conventions	Add	Abbreviation Microsoft Edge Full name or meaning Microsoft Edge(R)
4	14 Performing an update installation Updating software Upgrading from a version is earlier than 6.4.2-00	Before	<p>Note: Note that, in this procedure, you will temporarily change the TLS settings on the management server. After the settings are changed, the security level during communications becomes lower. After changing the TLS settings in steps 1 to 3, be sure to restore the settings to their original values by performing steps 14 to 16.</p> <p>If you do not restore the original TLS settings, the management server will be used at a low security level. In addition, the TLS settings also affect other Hitachi Command Suite products. For this reason, do not use other Hitachi Command Suite products while the security level for the management server is at a lowered level. To use other Hitachi Command Suite products, upgrade the software on the node, and then return the TLS settings to their original values.</p>
		After	<p>Note: Note that, in this procedure, you will temporarily change the TLS settings on the management server. After the settings are changed, the security level during communications becomes lower. After changing the TLS settings in steps 1 to 4, be sure to restore the settings to their original values by performing steps 15 to 18.</p> <p>If you do not restore the original TLS settings, the management server will be used at a low security level. In addition, the TLS settings also affect other Hitachi Command Suite products. For this reason, do not use other Hitachi Command Suite products while the security level for the management server is at a lowered level. To use other Hitachi Command Suite products, upgrade the software on the node, and then return the TLS settings to their original values.</p> <p>If the node version is 5.4.0-00 or earlier, 5.7.x-xx, 6.0.x-xx or 6.1.0-xx, and you have changed the JDK to Oracle JDK, perform the upgrade after returning the JDK to the JDK included in the product. After upgrading the software on the node, change the JDK to Oracle JDK again. For the JDK change, see Changing the JDK in 7 Installing Hitachi File Services Manager and Setting Up Its Environment in Installation and Configuration Guide.</p>

No	Location to be corrected	Corrections	
5	14 Performing an update installation Updating software Upgrading from a version is earlier than 6.4.2-00	Before	2. Stop and then restart Hitachi File Services Manager and Hitachi Command Suite Common Component. For details on how to stop and start Hitachi File Services Manager and Hitachi Command Suite Common Component, see the Installation and Configuration Guide.
		After	2. For a node whose version is 5.4.0-00 or earlier, 5.7.x-xx, 6.0.x-xx or 6.1.0-xx, execute the following command at a command prompt with administrator privileges. Hitachi-File-Services-Manager-installation-folder\bin\hnaasmEnableOldNode.bat Make sure the settings are enabled by running the following command at a command prompt with administrator privileges. Hitachi-File-Services-Manager-installation-folder\bin\hnaasmShowOldNodeSetting.bat <div data-bbox="732 852 1448 957" style="border: 1px solid black; padding: 5px;"> "KAQM21030-I The old node connection setting is Enable." </div> Make sure that the message content is "Enable". 3. Stop and then restart Hitachi File Services Manager and Hitachi Command Suite Common Component. For details on how to stop and start Hitachi File Services Manager and Hitachi Command Suite Common Component, see the Installation and Configuration Guide.
6	14 Performing an update installation Updating software Upgrading from a version is earlier than 6.4.2-00	Before	15. Stop and then restart Hitachi File Services Manager and Hitachi Command Suite Common Component. If other Hitachi Command Suite programs are installed, stop and then restart all of them. For details on how to stop and start Hitachi File Services Manager and Hitachi Command Suite Common Component, see the Installation and Configuration Guide.
		After	16. For a node whose version is 5.4.0-00 or earlier, 5.7.x-xx, 6.0.x-xx or 6.1.0-xx, execute the following command at a command prompt with administrator privileges. Hitachi-File-Services-Manager-installation-folder\bin\hnaasmDisableOldNode.bat Make sure the settings are disabled by running the following command at a command prompt with administrator privileges.

No	Location to be corrected	Corrections	
			<p>Hitachi-File-Services-Manager-installation-folder\bin\hnaasmShowOldNodeSetting.bat</p> <div data-bbox="734 317 1448 422" style="border: 1px solid black; padding: 5px;"> <p>"KAQM21030-I The old node connection setting is Disable."</p> </div> <p>Make sure that the message content is "Disable".</p> <p>17. Stop and then restart Hitachi File Services Manager and Hitachi Command Suite Common Component. If other Hitachi Command Suite programs are installed, stop and then restart all of them.</p> <p>For details on how to stop and start Hitachi File Services Manager and Hitachi Command Suite Common Component, see the Installation and Configuration Guide.</p>
7	B Basic GUI operations	Before	Note the following then using Internet Explorer:
	Notes on using the GUI	After	Note the following then using Internet Explorer or Microsoft Edge:
8	C GUI reference Check for Errors dialog box List of RAS Information page	Before	When you perform batch downloading, some data might be missed if the disk selected to store the Temporary Internet files folder for Internet Explorer has insufficient space. In this situation, Internet Explorer does not generate an error or message.
	List of RAS Information page (for Batch-download) Table C-144	After	When you perform batch downloading, some data might be missed if the disk selected to store the Temporary Internet files folder for Internet Explorer or Microsoft Edge has insufficient space. In this situation, Internet Explorer or Microsoft Edge does not generate an error or message.
9	C GUI reference Check for Errors dialog box	Before	<p>Note:</p> <p>In some cases, such as when many files to be transferred exist, processing might take a long time, and an error might occur in Internet Explorer. If such cases occur, disable the SmartScreen filter function in Internet Explorer temporarily, and then execute the processing again.</p>
	Transfer All Files page	After	<p>Note:</p> <p>In some cases, such as when many files to be transferred exist, processing might take a long time, and an error might occur in Internet Explorer or Microsoft Edge. If such cases occur, disable the SmartScreen filter function in Internet</p>

No	Location to be corrected	Corrections
		Explorer or Microsoft Edge temporarily, and then execute the processing again.

Table 10. Corrections for "Hitachi Data Ingestor Installation and Configuration Guide"

No	Location to be corrected	Corrections																		
1	List of services	<p>Add</p> <p>The following table lists the services of Hitachi File Services Manager and Hitachi Command Suite Common Component.</p> <p>Table 7-9 Services of Hitachi File Services Manager and Hitachi Command Suite Common Component</p> <table border="1"> <thead> <tr> <th>Service</th> <th>Description</th> <th>Process</th> </tr> </thead> <tbody> <tr> <td>HiRDB</td> <td>Process of the HiRDB process server control</td> <td>pdservice.exe</td> </tr> <tr> <td>HBase 64 Storage Mgmt Web Service</td> <td>Process of the Hitachi Command Suite common Web service</td> <td>httpsd.exe</td> </tr> <tr> <td>HBase 64 Storage Mgmt Web SSO Service</td> <td>Process of the Hitachi Command Suite common Web service</td> <td>httpsd.exe</td> </tr> <tr> <td>HBase 64 Storage Mgmt SSO Service</td> <td>Process of the Hitachi Command Suite servlet service</td> <td>hcmdssvctl.exe</td> </tr> <tr> <td>HFSM Web Service</td> <td>Process of the Hitachi File Services Manager J2EE service</td> <td>cjstartsv.exe</td> </tr> </tbody> </table>	Service	Description	Process	HiRDB	Process of the HiRDB process server control	pdservice.exe	HBase 64 Storage Mgmt Web Service	Process of the Hitachi Command Suite common Web service	httpsd.exe	HBase 64 Storage Mgmt Web SSO Service	Process of the Hitachi Command Suite common Web service	httpsd.exe	HBase 64 Storage Mgmt SSO Service	Process of the Hitachi Command Suite servlet service	hcmdssvctl.exe	HFSM Web Service	Process of the Hitachi File Services Manager J2EE service	cjstartsv.exe
Service	Description	Process																		
HiRDB	Process of the HiRDB process server control	pdservice.exe																		
HBase 64 Storage Mgmt Web Service	Process of the Hitachi Command Suite common Web service	httpsd.exe																		
HBase 64 Storage Mgmt Web SSO Service	Process of the Hitachi Command Suite common Web service	httpsd.exe																		
HBase 64 Storage Mgmt SSO Service	Process of the Hitachi Command Suite servlet service	hcmdssvctl.exe																		
HFSM Web Service	Process of the Hitachi File Services Manager J2EE service	cjstartsv.exe																		
2	Starting Hitachi File Services Manager	<p>Add</p> <p>When starting Hitachi File Services Manager or other Hitachi Command Suite products, check the services are stopped normally, and then start them.</p> <p>To check the status of the services, refer to the section '7.3.4 Checking whether Hitachi File Services Manager is running'.</p>																		

No	Location to be corrected	Corrections	
			<p>If you start Hitachi File Services Manager or other Hitachi Command Suite products with the service state of terminating or starting up, accessing Hitachi File Services Manager GUI may not be available with the HTTP404 error. In the case that accessing Hitachi File Services Manager GUI has not been available with the HTTP404 error, recover with performing overwrite installation of Hitachi File Services Manager.</p>
3	Starting Hitachi File Services Manager	Before	<p>Tip: From version 05-70 onward, if you start Hitachi Command Suite Common Component, services of Hitachi Command Suite products such as Device Manager are also started at the same time.</p>
		After	<p>Tip: From version 05-70 onward, if you start Hitachi Command Suite Common Component, services of Hitachi Command Suite products such as Device Manager are also started at the same time.</p> <p>If you start Hitachi File Services Manager, Hitachi Command Suite Common Component is also started.</p> <p>Starting some services other than Hitachi Command Suite Common Component may be required depending on the Hitachi Command Suite products.</p> <p>For details on how to start services of Hitachi Command Suite product, see the documentation for each Hitachi Command Suite products.</p>
4	Starting Hitachi File Services Manager Using the Windows menu 2	Add	<p>If Hitachi File Services Manager are running normally, the following messages are displayed:</p> <div data-bbox="719 1224 1463 1635" style="border: 1px solid black; padding: 5px;"> <p>KAPM06438-I The HiRDB service has started.</p> <p>KAPM05016-I Succeeded in starting of service. service-name=HBase 64 Storage Mgmt Web Service</p> <p>KAPM05016-I Succeeded in starting of service. service-name=HBase 64 Storage Mgmt Web SSO Service</p> <p>KAPM05016-I Succeeded in starting of service. service-name=HBase 64 Storage Mgmt SSO Service</p> <p>KAPM05016-I Succeeded in starting of service. service-name=HFSM Web Service</p> </div> <p>If the error message other than above messages is displayed, perform the start operation again after removing the cause indicated by the error message.</p>

No	Location to be corrected	Corrections	
5	Starting Hitachi File Services Manager Using a command 1	Add	<p>If Hitachi File Services Manager are running normally, the following messages are displayed:</p> <div data-bbox="719 331 1463 747" style="border: 1px solid black; padding: 5px;"> <p>KAPM06438-I The HiRDB service has started.</p> <p>KAPM05016-I Succeeded in starting of service. service-name=HBase 64 Storage Mgmt Web Service</p> <p>KAPM05016-I Succeeded in starting of service. service-name=HBase 64 Storage Mgmt Web SSO Service</p> <p>KAPM05016-I Succeeded in starting of service. service-name=HBase 64 Storage Mgmt SSO Service</p> <p>KAPM05016-I Succeeded in starting of service. service-name=HFSM Web Service</p> </div> <p>If the error message other than above messages is displayed, perform the start operation again after removing the cause indicated by the error message.</p>
6	Stopping Hitachi File Services Manager	Add	<p>When stopping Hitachi File Services Manager or other Hitachi Command Suite products, check the services are started normally, and then stop them.</p> <p>To check the status of the services, refer to the section '7.3.4 Checking whether Hitachi File Services Manager is running'.</p> <p>If you stop Hitachi File Services Manager or other Hitachi Command Suite products with the service state of terminating or starting up, accessing Hitachi File Services Manager GUI may not be available with the HTTP404 error. In the case that accessing Hitachi File Services Manager GUI has not been available with the HTTP404 error, recover with performing overwrite installation of Hitachi File Services Manager.</p>
7	Stopping Hitachi File Services Manager	Before	<p>Tip: From version 05-70 onward, if you stop Hitachi Command Suite Common Component, services of Hitachi Command Suite products such as Device Manager are also stopped at the same time.</p>
		After	<p>Tip: From version 05-70 onward, if you stop Hitachi Command Suite Common Component, services of Hitachi Command Suite products such as Device Manager are also stopped at the same time.</p> <p>If you stop Hitachi File Services Manager, Hitachi Command Suite Common Component is also stopped.</p> <p>Stopping some services other than Hitachi Command Suite Common Component may be required depending on the Hitachi Command Suite products.</p>

No	Location to be corrected	Corrections	
			For details on how to stop services of Hitachi Command Suite product, see the documentation for each Hitachi Command Suite products.
8	Stopping Hitachi File Services Manager Using the Windows menu 2	Add	<p>If Hitachi File Services Manager are stopped normally, the following messages are displayed:</p> <div data-bbox="719 457 1463 869" style="border: 1px solid black; padding: 5px;"> <p>KAPM05017-I Succeeded in stopping of service. service-name=HFSM Web Service</p> <p>KAPM05017-I Succeeded in stopping of service. service-name=HBase 64 Storage Mgmt SSO Service</p> <p>KAPM05017-I Succeeded in stopping of service. service-name=HBase 64 Storage Mgmt Web SSO Service</p> <p>KAPM05017-I Succeeded in stopping of service. service-name=HBase 64 Storage Mgmt Web Service</p> <p>KAPM06439-I The HiRDB service has stopped.</p> </div> <p>If the error message other than above messages is displayed, perform the stop operation again after removing the cause indicated by the error message.</p>
9	Stopping Hitachi File Services Manager Using a command 1	Add	<p>If Hitachi File Services Manager are stopped normally, the following messages are displayed:</p> <div data-bbox="719 1108 1463 1520" style="border: 1px solid black; padding: 5px;"> <p>KAPM05017-I Succeeded in stopping of service. service-name=HFSM Web Service</p> <p>KAPM05017-I Succeeded in stopping of service. service-name=HBase 64 Storage Mgmt SSO Service</p> <p>KAPM05017-I Succeeded in stopping of service. service-name=HBase 64 Storage Mgmt Web SSO Service</p> <p>KAPM05017-I Succeeded in stopping of service. service-name=HBase 64 Storage Mgmt Web Service</p> <p>KAPM06439-I The HiRDB service has stopped.</p> </div> <p>If the error message other than above messages is displayed, perform the stop operation again after removing the cause indicated by the error message.</p>
10	Checking whether Hitachi File Services Manager is running	Add	<p>If Hitachi File Services Manager and Hitachi Command Suite Common Component are stopped normally, the following messages are displayed:</p> <div data-bbox="719 1797 1463 1856" style="border: 1px solid black; padding: 5px;"> <p>KAPM06441-I The HiRDB service has already stopped.</p> </div>

No	Location to be corrected	Corrections	
	Using the Windows menu 2		<div data-bbox="721 233 1459 577" style="border: 1px solid black; padding: 5px;"> <p>KAPM05009-I Already stopped service. service-name=HBase 64 Storage Mgmt Web Service</p> <p>KAPM05009-I Already stopped service. service-name=HBase 64 Storage Mgmt Web SSO Service</p> <p>KAPM05009-I Already stopped service. service-name=HBase 64 Storage Mgmt SSO Service</p> <p>KAPM05009-I Already stopped service. service-name=HFSM Web Service</p> </div> <p>In case the line with 'Already started service' and the line with 'Already stopped service' are displayed together, the state of services is starting up or terminating. Check again whether Hitachi File Services Manager is running after waiting a while. If the status does not change, acquire all the log files and contact maintenance personnel.</p>
11	Checking whether Hitachi File Services Manager is running Using a command 1	Add	<p>If Hitachi File Services Manager and Hitachi Command Suite Common Component are stopped normally, the following messages are displayed:</p> <div data-bbox="721 961 1459 1371" style="border: 1px solid black; padding: 5px;"> <p>KAPM06441-I The HiRDB service has already stopped.</p> <p>KAPM05009-I Already stopped service. service-name=HBase 64 Storage Mgmt Web Service</p> <p>KAPM05009-I Already stopped service. service-name=HBase 64 Storage Mgmt Web SSO Service</p> <p>KAPM05009-I Already stopped service. service-name=HBase 64 Storage Mgmt SSO Service</p> <p>KAPM05009-I Already stopped service. service-name=HFSM Web Service</p> </div> <p>In case the line with 'Already started service' and the line with 'Already stopped service' are displayed together, the state of services is starting up or terminating. Check again whether Hitachi File Services Manager is running after waiting a while. If the status does not change, acquire all the log files and contact maintenance personnel.</p>
12	Settings when Internet Explorer is used on the management console	Before	<p>A certificate error message or a security warning might be displayed in some dialog boxes. However, this is not a problem because an HDI system uses HTTPS communication between nodes and the management console.</p> <p>If you import an SSL certificate to the management server, a certificate error no longer occurs. For details about how to</p>

No	Location to be corrected	Corrections	
	Notes when using Internet Explorer		import the required SSL certificate for communication between the management server and nodes, see Importing the required SSL certificate for communication between the node and management server on page 7-99.
		After	A certificate error message or a security warning might be displayed in some dialog boxes. However, this is not a problem because an HDI system uses HTTPS communication between nodes and the management console.
13	Notes on managing an HDI system (required reading)	Add	Communication between the node/Virtual Server and the GUI is SSL protected. As Certificate used for SSL communication, a self-signed certificate is set on the node/Virtual Server by default, so a certificate warning is displayed when using the GUI. The warning disappears by setting the public key certificate issued by the certificate authority. To set the public key certificate, refer to "Setting up a public key certificate" in HDI Cluster Administrator's Guide.
14	<p>Environment settings for a management console</p> <p>Requirements for a management console</p> <p>Table 3-6 Requirements for a management console</p> <p>OS</p>	Before	<ul style="list-style-type: none"> • Microsoft(R) Windows(R) 7 Enterprise (with SP1) • Microsoft(R) Windows(R) 7 Enterprise x64 Edition (with SP1) • Microsoft(R) Windows(R) 7 Professional (with SP1) • Microsoft(R) Windows(R) 7 Professional x64 Edition (with SP1) • Microsoft(R) Windows(R) 7 Ultimate (with SP1) • Microsoft(R) Windows(R) 7 Ultimate x64 Edition (with SP1) • Microsoft(R) Windows(R) 8.1 32-bit#1 • Microsoft(R) Windows(R) 8.1 64-bit#1 • Microsoft(R) Windows(R) 8.1 Enterprise 32-bit#1 • Microsoft(R) Windows(R) 8.1 Enterprise 64-bit#1 • Microsoft(R) Windows(R) 8.1 Pro 32-bit#1 • Microsoft(R) Windows(R) 8.1 Pro 64-bit#1 • Microsoft(R) Windows(R) 10 Education 32-bit#2 • Microsoft(R) Windows(R) 10 Education 64-bit#2 • Microsoft(R) Windows(R) 10 Enterprise 32-bit#2 • Microsoft(R) Windows(R) 10 Enterprise 64-bit#2 • Microsoft(R) Windows(R) 10 Home 32-bit#2

No	Location to be corrected	Corrections	
			<ul style="list-style-type: none"> • Microsoft(R) Windows(R) 10 Home 64-bit#2 • Microsoft(R) Windows(R) 10 Pro 32-bit#2 • Microsoft(R) Windows(R) 10 Pro 64-bit#2 • Microsoft(R) Windows Server(R) 2008 Datacenter 32-bit (with SP2) • Microsoft(R) Windows Server(R) 2008 Datacenter 64-bit (with SP2) • Microsoft(R) Windows Server(R) 2008 Enterprise 32-bit (with SP2) • Microsoft(R) Windows Server(R) 2008 Enterprise 64-bit (with SP2) • Microsoft(R) Windows Server(R) 2008 Standard 32-bit (with SP2) • Microsoft(R) Windows Server(R) 2008 Standard 64-bit (with SP2) • Microsoft(R) Windows Server(R) 2008 R2 Datacenter (with SP1) • Microsoft(R) Windows Server(R) 2008 R2 Enterprise (with SP1) • Microsoft(R) Windows Server(R) 2008 R2 Standard (with SP1) • Microsoft(R) Windows Server(R) 2012 Datacenter#1 • Microsoft(R) Windows Server(R) 2012 Standard#1 • Microsoft(R) Windows Server(R) 2012 R2 Datacenter#1 • Microsoft(R) Windows Server(R) 2012 R2 Standard#1 • Microsoft(R) Windows Server(R) 2016 Datacenter#1 • Microsoft(R) Windows Server(R) 2016 Standard#1 • Red Hat Enterprise Linux(R) 6.4#3
		After	<ul style="list-style-type: none"> • Microsoft(R) Windows(R) 8.1 32-bit#1#3 • Microsoft(R) Windows(R) 8.1 64-bit#1#3 • Microsoft(R) Windows(R) 8.1 Enterprise 32-bit#1#3 • Microsoft(R) Windows(R) 8.1 Enterprise 64-bit#1#3

No	Location to be corrected	Corrections	
			<ul style="list-style-type: none"> • Microsoft(R) Windows(R) 8.1 Pro 32-bit#1#3 • Microsoft(R) Windows(R) 8.1 Pro 64-bit#1#3 • Microsoft(R) Windows(R) 10 Education 32-bit#2#3 • Microsoft(R) Windows(R) 10 Education 64-bit#2#3 • Microsoft(R) Windows(R) 10 Enterprise 32-bit#2#3 • Microsoft(R) Windows(R) 10 Enterprise 64-bit#2#3 • Microsoft(R) Windows(R) 10 Home 32-bit#2#3 • Microsoft(R) Windows(R) 10 Home 64-bit#2#3 • Microsoft(R) Windows(R) 10 Pro 32-bit#2#3 • Microsoft(R) Windows(R) 10 Pro 64-bit#2#3 • Microsoft(R) Windows Server(R) 2012 Datacenter#1#3 • Microsoft(R) Windows Server(R) 2012 Standard#1#3 • Microsoft(R) Windows Server(R) 2012 R2 Datacenter#1#3 • Microsoft(R) Windows Server(R) 2012 R2 Standard#1#3 • Microsoft(R) Windows Server(R) 2016 Datacenter#1#3 • Microsoft(R) Windows Server(R) 2016 Standard#1#3 • Red Hat Enterprise Linux(R) 6.4#3
15	<p>Environment settings for a management console</p> <p>Requirements for a management console</p> <p>Table 3-6 Requirements for a management console</p> <p>Web browser</p>	<p>Before</p> <p>After</p>	<p>Also, if you are managing an HDI system in a single-node configuration, install Adobe(R) Flash(R) Player 10.1 or later in the web browser.</p> <p>In addition, to manage the HDI with a single node configuration, use the client application instead of the WWW browser. For details, refer to Hitachi Data Ingestor Single Node Administrator's Guide.</p>
16	About file systems	Before	<p>When you create LUs after adding an internal hard disk drive or storage system, you can use a Web browser to log on to the HDI system and automatically allocate the LUs to volume groups. For details about how to add a drive, see the Administrator's Guide.</p>

No	Location to be corrected	Corrections	
	<p>Creating an LU (device file) or volume group</p> <p>For a single-node configuration</p>	After	<p>When you create LUs after adding an internal hard disk drive or storage system, you can use a HDI Single Node GUI to log on to the HDI system and automatically allocate the LUs to volume groups. For details about how to add a drive, see the Administrator's Guide.</p>
17	<p>Requirements for a management server</p> <p>Table 3-2 Requirements for a management server</p> <p>OS</p>	Before	<ul style="list-style-type: none"> • Microsoft(R) Windows Server(R) 2008 R2 Datacenter (SP1) • Microsoft(R) Windows Server(R) 2008 R2 Enterprise (SP1) • Microsoft(R) Windows Server(R) 2008 R2 Standard (SP1) • Microsoft(R) Windows Server(R) 2012 Datacenter #1 • Microsoft(R) Windows Server(R) 2012 Standard #1 • Microsoft(R) Windows Server(R) 2012 R2 Datacenter #1 • Microsoft(R) Windows Server(R) 2012 R2 Standard #1 • Microsoft(R) Windows Server(R) 2016 Datacenter #1 • Microsoft(R) Windows Server(R) 2016 Standard #1
		After	<ul style="list-style-type: none"> • Microsoft(R) Windows Server(R) 2012 Datacenter #1 • Microsoft(R) Windows Server(R) 2012 Standard #1 • Microsoft(R) Windows Server(R) 2012 R2 Datacenter #1 • Microsoft(R) Windows Server(R) 2012 R2 Standard #1 • Microsoft(R) Windows Server(R) 2016 Datacenter #1 • Microsoft(R) Windows Server(R) 2016 Standard #1 • Microsoft(R) Windows Server(R) 2019 Datacenter #1 • Microsoft(R) Windows Server(R) 2019 Standard #1
18	<p>Requirements for a management console</p> <p>Table 3-6 Requirements for a management console</p> <p>OS</p>	Before	<ul style="list-style-type: none"> • Microsoft(R) Windows(R) 8.1 32-bit #1#3 • Microsoft(R) Windows(R) 8.1 64-bit #1#3 • Microsoft(R) Windows(R) 8.1 Enterprise 32-bit #1#3 • Microsoft(R) Windows(R) 8.1 Enterprise 64-bit #1#3 • Microsoft(R) Windows(R) 8.1 Pro 32-bit #1#3 • Microsoft(R) Windows(R) 8.1 Pro 64-bit #1#3 • Microsoft(R) Windows(R) 10 Education 32-bit #2#3 • Microsoft(R) Windows(R) 10 Education 64-bit #2#3

No	Location to be corrected	Corrections	
			<ul style="list-style-type: none"> • Microsoft(R) Windows(R) 10 Enterprise 32-bit #2#3 • Microsoft(R) Windows(R) 10 Enterprise 64-bit #2#3 • Microsoft(R) Windows(R) 10 Home 32-bit #2#3 • Microsoft(R) Windows(R) 10 Home 64-bit #2#3 • Microsoft(R) Windows(R) 10 Pro 32-bit #2#3 • Microsoft(R) Windows(R) 10 Pro 64-bit #2#3 • Microsoft(R) Windows Server(R) 2012 Datacenter #1#3 • Microsoft(R) Windows Server(R) 2012 Standard #1#3 • Microsoft(R) Windows Server(R) 2012 R2 Datacenter #1#3 • Microsoft(R) Windows Server(R) 2012 R2 Standard #1#3 • Microsoft(R) Windows Server(R) 2016 Datacenter #1#3 • Microsoft(R) Windows Server(R) 2016 Standard #1#3 • Red Hat Enterprise Linux(R) 6.4 #3
		After	<ul style="list-style-type: none"> • Microsoft(R) Windows(R) 8.1 32-bit #1#3 • Microsoft(R) Windows(R) 8.1 64-bit #1#3 • Microsoft(R) Windows(R) 8.1 Enterprise 32-bit #1#3 • Microsoft(R) Windows(R) 8.1 Enterprise 64-bit #1#3 • Microsoft(R) Windows(R) 8.1 Pro 32-bit #1#3 • Microsoft(R) Windows(R) 8.1 Pro 64-bit #1#3 • Microsoft(R) Windows(R) 10 Education 32-bit #2#3 • Microsoft(R) Windows(R) 10 Education 64-bit #2#3 • Microsoft(R) Windows(R) 10 Enterprise 32-bit #2#3 • Microsoft(R) Windows(R) 10 Enterprise 64-bit #2#3 • Microsoft(R) Windows(R) 10 Home 32-bit #2#3 • Microsoft(R) Windows(R) 10 Home 64-bit #2#3 • Microsoft(R) Windows(R) 10 Pro 32-bit #2#3 • Microsoft(R) Windows(R) 10 Pro 64-bit #2#3 • Microsoft(R) Windows Server(R) 2012 Datacenter #1#3 • Microsoft(R) Windows Server(R) 2012 Standard #1#3

No	Location to be corrected	Corrections	
			<ul style="list-style-type: none"> • Microsoft(R) Windows Server(R) 2012 R2 Datacenter #1#3 • Microsoft(R) Windows Server(R) 2012 R2 Standard #1#3 • Microsoft(R) Windows Server(R) 2016 Datacenter #1#3 • Microsoft(R) Windows Server(R) 2016 Standard #1#3 • Microsoft(R) Windows Server(R) 2019 Datacenter #1#3 • Microsoft(R) Windows Server(R) 2019 Standard #1#3 • Red Hat Enterprise Linux(R) 6.4 #3
19	<p>Performing a new installation of Hitachi File Services Manager (if the management server is running in a cluster configuration)</p> <p>Changing the management server to a cluster configuration</p>	Before	1. From the Windows Start menu, choose Settings, Control Panel, Administrative Tools, and then Failover Cluster Management to display Failover Cluster Management.
		After	1. From the Windows Start menu, choose Control Panel, Administrative Tools, and then Failover Cluster Management to display Failover Cluster Management.
20	<p>Performing an upgrade or overwrite installation of Hitachi File Services Manager (if the management server is running in a cluster configuration)</p> <p>Upgrade or overwrite installation on the executing node of the management server</p>	Before	1. From the Windows Start menu, choose Settings, Control Panel, Administrative Tools, and then Failover Cluster Management to display Failover Cluster Management.
		After	1. From the Windows Start menu, choose Control Panel, Administrative Tools, and then Failover Cluster Management to display Failover Cluster Management.

No	Location to be corrected	Corrections	
21	Performing an upgrade or overwrite installation of Hitachi File Services Manager (if the management server is running in a cluster configuration)	Before	1. From the Windows Start menu, choose Settings, Control Panel, Administrative Tools, and then Failover Cluster Management to display Failover Cluster Management.
	Uninstalling Hitachi File Services Manager (if the management server is running in a cluster configuration)	After	1. From the Windows Start menu, choose Control Panel, Administrative Tools, and then Failover Cluster Management to display Failover Cluster Management.
22	Installing and uninstalling Hitachi File Services Manager Before installation:	Add	<ul style="list-style-type: none"> • To install Hitachi File Services Manager, make settings related to installation / uninstallation such as specifying the installation folder, confirm the settings, and then actually copy the files and set the registry. After confirming the settings, you cannot cancel the installation / uninstallation. If you want to cancel the installation, complete the installation and then uninstall it. For details on how to uninstall Hitachi File Services Manager, see 'Uninstalling Hitachi File Services Manager (if the management server is running in a cluster configuration)'.
23	Performing a new installation of Hitachi File Services Manager	Before	<p>7. Make sure that the specified information is correct, and then click the Install button.</p> <p>Installation starts and a series of dialog boxes indicating the processing status appear. If the installation is successful, the Installation Complete dialog box appears.</p> <p>Notes:</p> <ul style="list-style-type: none"> • Clicking the Install button automatically imports the SSL certificate into the following keystore file:
		After	<p>7. Make sure that the specified information is correct, and then click the Install button.</p> <p>8. The Confirm dialog box is displayed. To start the installation, click the Yes button. After clicking the Yes button, the cancel</p>

No	Location to be corrected	Corrections	
			<p>operation will not be possible. Click the No button to return to 7.</p> <p>9. Installation starts and a series of dialog boxes indicating the processing status appear during installation. If the installation is successful, the Installation Complete dialog box appears.</p> <p>Notes:</p> <ul style="list-style-type: none"> Clicking the Install button automatically imports the SSL certificate into the following keystore file during installation
24	Performing an upgrade or overwrite installation of Hitachi File Services Manager	Before	<p>6. Make sure that the specified information is correct, and then click the Install button.</p> <p>Installation starts and a series of dialog boxes indicating the processing status appear. If the installation is successful, the Installation Complete dialog box appears.</p>
		After	<p>6. Make sure that the specified information is correct, and then click the Install button.</p> <p>7. The Confirm dialog box is displayed. To start the installation, click the Yes button. After clicking the Yes button, the cancel operation will not be possible. Click the No button to return to 6.</p> <p>8. Installation starts and a series of dialog boxes indicating the processing status appear during installation. If the installation is successful, the Installation Complete dialog box appears.</p>
25	Uninstalling Hitachi File Services Manager Performing an uninstallation	Before	<p>4. Make sure that Hitachi File Services Manager version and installation destination displayed in the dialog box are correct, and then click the Uninstall button.</p> <p>Uninstallation starts and a series of dialog boxes indicating the processing status appear. If the uninstallation is successful, the Uninstallation Complete dialog box appears.</p>
		After	<p>4. Make sure that Hitachi File Services Manager version and installation destination displayed in the dialog box are correct, and then click the Uninstall button.</p> <p>5. The Confirm dialog box is displayed. To start the uninstallation, click the Yes button. After clicking the Yes button, the cancel operation will not be possible. Click the No button to return to 4.</p> <p>6. Uninstallation starts and a series of dialog boxes indicating the processing status appear during uninstallation. If the</p>

No	Location to be corrected	Corrections	
			uninstallation is successful, the Uninstallation Complete dialog box appears.
26	Trademark	Add	Microsoft Edge are registered trademarks or trademarks of Microsoft Corporation.
27	Abbreviation conventions	Add	Abbreviation Microsoft Edge Full name or meaning Microsoft Edge(R)
28	Requirements for a management console Table 3-6 Web browser	Delete	Internet Explorer 10.0 (32-bit desktop version, when the OS is Windows)
29	Requirements for a management console Table 3-6 Web browser	Add	Microsoft Edge 92.x #5#6 (When the OS is Windows)
30	Requirements for a management console #5	Before	When Internet Explorer 11.0 is used, if you click a button or anchor on the screen to open a new tab or new window, an extra blank window or transitional window might be displayed at the same time. In such a case, please close the unnecessary window.
		After	When Internet Explorer 11.0 or Microsoft Edge is used, if you click a button or anchor on the screen to open a new tab or new window, an extra blank window or transitional window might be displayed at the same time. In such a case, please close the unnecessary window.
31	Environment settings for a management console	Add	Settings when Microsoft Edge is used on the management console This subsection describes the settings that must be configured when Microsoft Edge is used. If you want to change the Web browser settings, close all browsers beforehand. Note that Microsoft Edge v92 settings are used for this subsection. For details on the settings when the version of Microsoft Edge is not v92, see Microsoft Edge Help.

No	Location to be corrected	Corrections								
		<p>Notes when using Microsoft Edge</p> <p>Note the following when using Microsoft Edge:</p> <ul style="list-style-type: none"> •A certificate error message or a security warning might be displayed in some dialog boxes. However, this is not a problem because an HDI system uses HTTPS communication between nodes and the management console. If you import an SSL certificate to the management server, a certificate error no longer occurs. For details about how to import the required SSL certificate for communication between the management server and nodes, see Importing the required SSL certificate for communication between the node and management server on page 7-99. •If you change the setting for whether to display the menu bar, Microsoft Edge might not operate properly. •If you enlarge or reduce the font size, the GUI might not be displayed properly, and the scroll bar might not be displayed. •The contents of the GUI display may exceed the browser window size. Resize your browser as needed. <p>Microsoft Edge settings</p> <p>The following table shows the settings when using Microsoft Edge. For items other than those indicated in the table, use the Microsoft Edge default settings.</p> <p>Table Microsoft Edge settings</p> <table border="1" data-bbox="734 1201 1458 1579"> <thead> <tr> <th data-bbox="734 1201 894 1268">Category</th> <th data-bbox="894 1201 1458 1268">Settings</th> </tr> </thead> <tbody> <tr> <td data-bbox="734 1268 894 1335">Font size</td> <td data-bbox="894 1268 1458 1335">Select Medium.</td> </tr> <tr> <td data-bbox="734 1335 894 1440">Languages</td> <td data-bbox="894 1335 1458 1440">In Language Preference, add either "English" or "Japanese".</td> </tr> <tr> <td data-bbox="734 1440 894 1579">Disabling the pop-up blocker #1</td> <td data-bbox="894 1440 1458 1579">In the Allow of Pop-ups and redirects, add the management server URL and the URLs for all managed nodes. #2</td> </tr> </tbody> </table> <p>#1:</p> <p>If the Internet Explorer security enhancement configuration function is enabled, the operations available from the GUI might become limited. In this case, register the URLs of the management server, all the managed nodes, and about:internet into the trusted sites zone of the Internet Explorer security zone.</p>	Category	Settings	Font size	Select Medium.	Languages	In Language Preference, add either "English" or "Japanese".	Disabling the pop-up blocker #1	In the Allow of Pop-ups and redirects, add the management server URL and the URLs for all managed nodes. #2
Category	Settings									
Font size	Select Medium.									
Languages	In Language Preference, add either "English" or "Japanese".									
Disabling the pop-up blocker #1	In the Allow of Pop-ups and redirects, add the management server URL and the URLs for all managed nodes. #2									

No	Location to be corrected	Corrections															
			<p>#2:</p> <p>Use the following URL format:</p> <p>Table URL to be registered</p> <table border="1" data-bbox="732 386 1468 1803"> <thead> <tr> <th data-bbox="732 386 915 491">Node configuration</th> <th data-bbox="915 386 1024 491">GUI to use</th> <th data-bbox="1024 386 1468 491">URL to be registered</th> </tr> </thead> <tbody> <tr> <td data-bbox="732 491 915 768" rowspan="2">Single-node configuration</td> <td data-bbox="915 491 1024 630">Single-node GUI</td> <td data-bbox="1024 491 1468 630">https://fixed-IP-address-of-HDI</td> </tr> <tr> <td data-bbox="915 630 1024 768">GUI for end users</td> <td data-bbox="1024 630 1468 768">https://fixed-IP-address-of-HDI</td> </tr> <tr> <td data-bbox="732 768 915 1577" rowspan="2">Cluster configuration</td> <td data-bbox="915 768 1024 1577">HFSM</td> <td data-bbox="1024 768 1468 1577"> <ul style="list-style-type: none"> • https://fixed-IP-address-of-physical-node-management-port • https://virtual-IP-address-of-management-port-of-physical-node • Specify either of the following depending on whether SSL is used for communication between the management console and the management server. <p>http://management-server-IP-address:port-number-for-HBase-64-Storage-Mgmt-Web-Service(default:22015) (for non-SSLcommunication)</p> <p>https://management-server-IP-address:port-number-for-HBase-64-Storage-Mgmt-Web-Service(default:22016) (for SSLcommunication)</p> </td> </tr> <tr> <td data-bbox="915 1577 1024 1803">GUI for end users</td> <td data-bbox="1024 1577 1468 1803"> <ul style="list-style-type: none"> • https://virtual-IP-address-of-HDI <p>#When using GUI for end users from the front-end LAN, specify the virtual IP address of the front-end LAN.</p> </td> </tr> </tbody> </table>		Node configuration	GUI to use	URL to be registered	Single-node configuration	Single-node GUI	https://fixed-IP-address-of-HDI	GUI for end users	https://fixed-IP-address-of-HDI	Cluster configuration	HFSM	<ul style="list-style-type: none"> • https://fixed-IP-address-of-physical-node-management-port • https://virtual-IP-address-of-management-port-of-physical-node • Specify either of the following depending on whether SSL is used for communication between the management console and the management server. <p>http://management-server-IP-address:port-number-for-HBase-64-Storage-Mgmt-Web-Service(default:22015) (for non-SSLcommunication)</p> <p>https://management-server-IP-address:port-number-for-HBase-64-Storage-Mgmt-Web-Service(default:22016) (for SSLcommunication)</p>	GUI for end users	<ul style="list-style-type: none"> • https://virtual-IP-address-of-HDI <p>#When using GUI for end users from the front-end LAN, specify the virtual IP address of the front-end LAN.</p>
Node configuration	GUI to use	URL to be registered															
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	GUI for end users	<ul style="list-style-type: none"> • https://virtual-IP-address-of-HDI <p>#When using GUI for end users from the front-end LAN, specify the virtual IP address of the front-end LAN.</p>															

No	Location to be corrected	Corrections	
32	Starting Hitachi File Services Manager Note:	Before	If you stop Hitachi File Services Manager or other Hitachi Command Suite products with the service state of terminating or starting up, accessing Hitachi File Services Manager GUI may not be available with the HTTP404 error. In the case that accessing Hitachi File Services Manager GUI has not been available with the HTTP404 error, recover with performing overwrite installation of Hitachi File Services Manager.
		After	If you start Hitachi File Services Manager or another Hitachi Command Suite product while the service is being stopped or started, the GUI login window may not be displayed when you access the Hitachi File Services Manager GUI. If the GUI login window disappears, see "D.3 GUI-related troubleshooting examples" in the Cluster Troubleshooting Guide to take corrective action.
33	Starting Hitachi File Services Manager Tips:	Add	The time it takes to display the GUI login window after starting Hitachi File Services Manager depends on the performance and load status of the management server. If the GUI login window does not appear even if you access the Hitachi File Services Manager GUI after startup is complete, wait for a while (usually about 10 minutes) before accessing the Hitachi File Services Manager GUI.

Table 11. Corrections for "Hitachi Data Ingestor Cluster Troubleshooting Guide"

No	Location to be corrected	Corrections	
1	Trademark	Add	Microsoft Edge are registered trademarks or trademarks of Microsoft Corporation.
2	Abbreviation conventions	Add	Abbreviation Microsoft Edge Full name or meaning Microsoft Edge(R)
3	Collecting node log files	Before	When you perform batch downloading, some data might be missed if the disk selected to store the Temporary Internet files folder for Internet Explorer has insufficient space. In this situation, Internet Explorer does not generate an error or message.

No	Location to be corrected	Corrections	
		After	When you perform batch downloading, some data might be missed if the disk selected to store the Temporary Internet files folder for Internet Explorer or Microsoft Edge has insufficient space. In this situation, Internet Explorer or Microsoft Edge does not generate an error or message.
4	GUI-related troubleshooting examples	Before	Unable to display Hitachi File Services Manager in a Web browser.
	Table D-1 Non-specific	After	The login window of the GUI does not display correctly.
5	GUI-related troubleshooting examples Table D-1 Non-specific The login window of the GUI does not display correctly.	Add	Hitachi File Services Manager may not be started. Refer to "7.3.5 Checking whether Hitachi File Services Manager is running" in the Installation and Configuration Guide, check the operating status of Hitachi File Services Manager, and if it is not started, start Hitachi File Services Manager. For details on how to start Hitachi File Services Manager, see "7.3.3 Starting Hitachi File Services Manager" in the Installation and Configuration Guide.
6	GUI-related troubleshooting examples Table D-1 Non-specific The login window of the GUI does not display correctly.	Add	Hitachi File Services Manager may be in the process of starting. Refer to "7.3.5 Checking whether Hitachi File Services Manager is running" in the Installation and Configuration Guide, check the running status of Hitachi File Services Manager, and if the startup process is in progress, wait for a while (*1), and check the operating status again and wait for the startup to complete. (*1):The time depends on the performance and load status of the management server, so wait for the time (usually about 10 minutes) from the startup operation to the checking of the running status.
7	GUI-related troubleshooting examples Table D-1 Non-specific The login window of the GUI does	Add	Hitachi File Services Manager may not have completed the startup process. Please wait for a while (*1) to access the GUI of Hitachi File Services Manager. (*1):The time depends on the performance and load status of the management server, so wait for the time (usually about 10

No	Location to be corrected	Corrections	
	not display correctly.		minutes) from the startup operation to the check of the running status.
8	GUI-related troubleshooting examples Table D-1 Non-specific The login window of the GUI does not display correctly.	Add	<p>There may be something wrong with Hitachi File Services Manager.</p> <p>Restore the database from backup. For details about the database restore procedure, see "7.6.1 Backing up or restoring the database of the management server" in the Installation and Configuration Guide.</p> <p>If you do not have a backup, uninstall Hitachi File Services Manager and then reinstall it.</p> <p>For the installation/uninstallation procedure, see "7.1 Installing and uninstalling Hitachi File Services Manager" in the Installation and Configuration Guide.</p> <p>After reinstalling Hitachi File Services Manager, re-register the node. For details on node registration, see "C.17 [Add Processing Node] dialog box" in the Cluster Administrator's Guide.</p>
9	GUI-related troubleshooting examples Table D-1 Non-specific	Add	<p>Type of problem</p> <p>A session error occurred.</p> <p>Cause and action</p> <p>Your browser may not allow cookies. Register the following URL into Sites that allow cookies in your browser settings.</p> <p>https://fixed-IP-address-of-physical-node-management-port</p> <p>https://virtual-IP-address-of-management-port-of-physical-node</p>
10	GUI-related troubleshooting examples Table D-1 Non-specific	Add	<p>Type of problem</p> <p>Clicking the link on the GUI launches a browser different from the one you are using.</p> <p>Cause and action</p> <p>There is a possibility that a browser other than the browser to be used is associated with the Web browser or the html file associated with each file type in the default application settings of Windows.</p> <p>In the default application settings of Windows, specify the browser to be used for associating the Web browser with the html file.</p>

No	Location to be corrected	Corrections	
11	GUI-related troubleshooting examples Table D-1 Information displayed for the processing node status, physical node status, or hardware status	Add	Type of problem When you select a storage system in the tree, the subwindow flashes white. Cause and action Your browser may not allow cookies. Please turn on [Allow sites to save and read cookie data] in Microsoft Edge.
12	GUI-related troubleshooting examples Table D-1	Add	Location of problem Backup/Restore Type of problem Restore fails Cause and action There may be something wrong with Hitachi File Services Manager. Uninstall Hitachi File Services Manager, reinstall it, and then restore it again. For the installation/uninstallation procedure, see "7.1 Installing and uninstalling Hitachi File Services Manager" in the Installation and Configuration Guide.

Fixed problems

- 1) Following defect has been fixed by Hitachi File Services Manager 6.4.8-00

Affected version: 2.1.0-00

Phenomenon: Vulnerabilities reported by the following CVEs may adversely affect operations.

CVE-2020-2754/CVE-2020-2755/CVE-2020-2756/

CVE-2020-2757/CVE-2020-2767/CVE-2020-2773/

CVE-2020-2778/CVE-2020-2781/CVE-2020-2800/

CVE-2020-2803/CVE-2020-2805/CVE-2020-2816/

CVE-2020-2830

Condition: It may occur when a request from a malicious user is received.
Evasion plan: None.
Recovery plan: None.

2) Following defect has been fixed by Hitachi File Services Manager 6.4.8-00

Affected version: 6.1.0-00
Phenomenon: KAQM19030-E occurs when starting the Migration Tasks dialog box.
Condition: It occurs when conditions below are all combined.
(a) At the network setting with the setting wizard, an IPv6 address is specified for a virtual IP address.
(b) The Migration Tasks dialog box is started.
Evasion plan: Specify an IPv4 address for a virtual IP address and use GUI.
Recovery plan: None.

3) Following defect has been fixed by Hitachi File Services Manager 6.4.8-00

Affected version: 2.1.0-00
Phenomenon: Unnecessary logs can be output when HFSM installation is executed.
Condition: It occurs when HFSM installation is executed.
Evasion plan: None.
Recovery plan: None.

4) Following defect has been fixed by Hitachi File Services Manager 6.4.8-01

Affected version: 2.1.0-00
Phenomenon: Phenomenon 1
When an internal command turns to time-out at processing node refreshing, the processing node remains being refreshed status. In this case, if virtual server update is performed, KAQM20040-E is displayed.

Phenomenon 2

When an internal command turns to time-out at virtual server refreshing, the virtual server remains being refreshed status. In this case, if processing node refreshing is performed, KAQM20808-E is displayed.

Phenomenon 3

When an internal command turns to time-out at processing node refreshing, the processing node remains being refreshed status. If processing node refreshing is retried after that, no error is displayed but the refreshing is not performed.

Phenomenon 4

When an internal command turns to time-out at virtual server refreshing, the virtual server remains being refreshed status. If virtual server refreshing is retried after that, no error is displayed but the refreshing is not performed.

Condition:	It may occur when all the following conditions are met. (a) A refreshing operation fails. (b) After (a), an HFSM operation is performed.
Evasion plan:	None.
Recovery plan:	Remove the factor that causes the refreshing operation to fail, and then restart HFSM.

5) Following defect has been fixed by Hitachi File Services Manager 6.4.8-02

Affected version:	2.1.0-00
Phenomenon:	When the database update processing after update installation fails, the management GUI is unavailable unless new installation is performed.
Condition:	It may occur when update installation is performed while there is a performance problem for a reason, such as high load of the management server.
Evasion plan:	Perform new installation.
Recovery plan:	Perform removal and then new installation.

6) Following defect has been fixed by Hitachi File Services Manager 6.4.8-02

Affected version:	2.1.0-00
--------------------------	----------

Phenomenon:	Vulnerabilities reported by the following CVEs may adversely affect operations. CVE-2020-14779/CVE-2020-14781/CVE-2020-14782/ CVE-2020-14792/CVE-2020-14796/CVE-2020-14797/ CVE-2020-14798
Condition:	It may occur when a request from a malicious user is received.
Evasion plan:	None.
Recovery plan:	None.

7) Following defect has been fixed by Hitachi File Services Manager 6.4.8-03

Affected version:	2.2.1-00
Phenomenon:	The vulnerability reported with the CVE below might affect. CVE-2020-14803
Condition:	It may occur when a factitious request is received from a malicious user.
Evasion plan:	None.
Recovery plan:	None.

8) Following defect has been fixed by Hitachi File Services Manager 6.4.8-03

Affected version:	2.1.0-00
Phenomenon:	During HFSM installation or removal, [Cancel] or the close button ([x]) could be clicked on the window displayed after the confirmation window where a cancellation operation was not supposed to be performed .
Condition:	It may occur when a cancellation operation is performed on the Setup Status window at installation or removal.
Evasion plan:	Do not perform a cancellation operation on the Setup Status window at installation or removal.
Recovery plan:	Manually delete the contents of the installed file and registry in accordance with the following procedure. (1) Stop services related to Hitachi Command Suite. (2) Delete HFSM registries.

\HKEY_LOCAL_MACHINE\SOFTWARE\HITACHI\Hitachi
File Services Manager

\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\HI
TACHI\Hitachi File Services Manager

\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Mi
crosoft\Windows\CurrentVersion\Uninstall\{89CF92A9-
7FAE-467C-897B-875BA7DE3AA9}

(3) Delete registries of Hitachi Command Suite common
component.

\HKEY_LOCAL_MACHINE\SOFTWARE\HITACHI\HiComma
nd Base 64

\HKEY_LOCAL_MACHINE\SOFTWARE\HITACHI\HiRDBEm
beddedEdition_HD1

\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\
CurrentVersion\Uninstall\{1345FCD1-713E-4449-8F76-
3F6503941040}

\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\HI
TACHI\HiRDBEmbeddedEdition_HD1

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Ser
vices\Eventlog\Application\HBase64 Event

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Ser
vices\Eventlog\Application\HBase64 Storage Mgmt Log

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Ser
vices\Eventlog\Application\HiRDBEmbeddedEdition_HD1

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Ser
vices\HBase64StgMgmtSSOService

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Ser
vices\HBase64StgMgmtWebService

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Ser
vices\HBase64StgMgmtWebSSOService

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Ser
vices\HiRDBClusterService_HD1

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Ser
vices\HiRDBEmbeddedEdition_HD1

(4) Delete the HFSM directory.

<HFSM installation folder>\FileServicesManager

<OS application installation default>\InstallShield Installation Information\{89CF92A9-7FAE-467C-897B-875BA7DE3AA9}

(5) Delete the registry of Hitachi Command Suite common component.

<HFSM installation folder>\Base64

<OS application installation default>\InstallShield Installation Information\{1345FCD1-713E-4449-8F76-3F6503941040}

(6) Restart the OS.

9) Following defect has been fixed by Hitachi File Services Manager 6.4.8-05

Affected version:	2.2.1-00
Phenomenon:	Vulnerabilities reported by the following CVEs may adversely affect operations. CVE-2021-23841/CVE-2021-3450/CVE-2021-2161/ CVE-2021-2163
Condition:	It may occur when a factitious request is received from a malicious user.
Evasion plan:	None.
Recovery plan:	None.

Known problems

Not applicable for this release.

Documents

Hitachi File Services Manager ships with the following documents:

- Hitachi Data Ingestor Installation and Configuration Guide
- Hitachi Data Ingestor Cluster Administrator's Guide
- Hitachi Data Ingestor CLI Administrator's Guide
- Hitachi Data Ingestor Error Codes
- Hitachi Data Ingestor Cluster Troubleshooting Guide
- Hitachi Data Ingestor Cluster Getting Started Guide

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