

Hitachi File Services Manager v6.4.8-03 Release Notes

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About this document

This document (RN-90HDI013-68, July 2021) provides information about Hitachi File Services Manager 6.4.8-03. 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	6.4.8-03

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

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

Operating Systems
<p>Windows 8.1 x64 Editions</p> <ul style="list-style-type: none"> • Windows 8.1 • Windows 8.1 Enterprise • Windows 8.1 Pro
<p>Windows Server 2012</p> <ul style="list-style-type: none"> • Windows Server 2012, Datacenter • Windows Server 2012, Standard
<p>Windows Server 2012 R2</p> <ul style="list-style-type: none"> • Windows Server 2012 R2, Datacenter • Windows Server 2012 R2, Standard
<p>Windows 10</p> <ul style="list-style-type: none"> • Windows 10 Home • Windows 10 Enterprise • Windows 10 Pro • Windows 10 Education
<p>Windows 10 x64 Edition</p> <ul style="list-style-type: none"> • Windows 10 Home • Windows 10 Enterprise • Windows 10 Pro • Windows 10 Education
<p>Windows Server 2016</p> <ul style="list-style-type: none"> • Windows Server 2016 Datacenter • Windows Server 2016 Standard
<p>Windows Server 2019</p> <ul style="list-style-type: none"> • Windows Server 2019 Datacenter • Windows Server 2019 Standard
<p>Red Hat Enterprise Linux 6.4</p>

Required Web browser

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

Web browser	Remark
Internet Explorer 10.0 #1, #4	32-bit, Desktop version
Internet Explorer 11.0 #2, #3	32-bit, Desktop version
Mozilla Firefox ESR 45.x #5	x86 version
Mozilla Firefox ESR 52.x #5	x86 version

#1: The version of the target management node should be Hitachi Data Ingestor 4.1.0-00 or later.

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

#3: 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.

#4: By changing the option setting of browser, TLS1.1 and TLS1.2 can be supported.

#5: 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 pull-down menu cannot be done from keyboard.
- In case user set 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 alphanumeric) 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.

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. Select **Stop - HFSM** from File Services Manager of Hitachi Command Suite in the **Start** menu of the management server to stop HFSM.
3. Select **Start - HFSM** from **File Services Manager of Hitachi Command Suite** in the **Start** menu of the management server to start HFSM.
4. Click **Refresh Processing Node** of HFSM to refresh the node.
5. 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.
6. When the software update is complete, turn back Hitachi-Command-Suite-Common-Component-installation-folder\conf\user.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)
7. 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.

8. 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.
9. 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	Message: 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>)
	Table 5-25 KAQM37 messages Message ID: KAQM37228-E	After	Message: 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>)
2	Table 3-1 KAQG messages	Add	Message ID: KAQG52069-E Message: Acquisition of a lock failed during execution of a command. Wait a while, and then execute the command again. Description and Action: Acquisition of a lock failed during execution of a command.

No	Location to be corrected	Corrections	
			<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: Failed to load migration task.</p> <p>Description and Action: 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>
4	<p>KAQM26 messages</p> <p>Table 5-19 KAQM26 messages</p>	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	<p>KAQM26 messages</p> <p>Table 5-19 KAQM26 messages</p>	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>

No	Location to be corrected	Corrections	
			<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	<p>KAQM26 messages</p> <p>Table 5-19</p> <p>KAQM26 messages</p>	Add	<p>Message ID:</p> <p>KAQM26156-E</p> <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>
7	<p>KAQM26 messages</p> <p>Table 5-19</p> <p>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>

No	Location to be corrected	Corrections	
8	KAQM26 messages Table 5-19 KAQM26 messages KAQM26156-E	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>
		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,</p>

No	Location to be corrected	Corrections	
			and then contact maintenance personnel. See online Help for a list of the log files.
		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 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</p> <p>Table 5-16</p> <p>KAQM23 messages</p>	Add	<p>Message ID:</p> <p>KAQM23038-E</p> <p>Message:</p> <p>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:</p> <p>The operation cannot be executed because an error occurred during refresh operation.</p> <p>(O)</p> <p>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>

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.

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

No	Location to be corrected	Corrections																				
1	List of services	Add	<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" data-bbox="719 478 1458 1377"> <thead> <tr> <th data-bbox="719 478 967 548">Service</th> <th data-bbox="967 478 1214 548">Description</th> <th data-bbox="1214 478 1458 548">Process</th> </tr> </thead> <tbody> <tr> <td data-bbox="719 548 967 684">HiRDB</td> <td data-bbox="967 548 1214 684">Process of the HiRDB process server control</td> <td data-bbox="1214 548 1458 684">pdservice.exe</td> </tr> <tr> <td data-bbox="719 684 967 856">HBase 64 Storage Mgmt Web Service</td> <td data-bbox="967 684 1214 856">Process of the Hitachi Command Suite common Web service</td> <td data-bbox="1214 684 1458 856">httpsd.exe</td> </tr> <tr> <td data-bbox="719 856 967 1029">HBase 64 Storage Mgmt Web SSO Service</td> <td data-bbox="967 856 1214 1029">Process of the Hitachi Command Suite common Web service</td> <td data-bbox="1214 856 1458 1029">httpsd.exe</td> </tr> <tr> <td data-bbox="719 1029 967 1201">HBase 64 Storage Mgmt SSO Service</td> <td data-bbox="967 1029 1214 1201">Process of the Hitachi Command Suite servlet service</td> <td data-bbox="1214 1029 1458 1201">hcmdssvctl.exe</td> </tr> <tr> <td data-bbox="719 1201 967 1377">HFSM Web Service</td> <td data-bbox="967 1201 1214 1377">Process of the Hitachi File Services Manager J2EE service</td> <td data-bbox="1214 1201 1458 1377">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	Add	<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> <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>																			

No	Location to be corrected	Corrections	
3	Starting Hitachi File Services Manager	Before	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.
		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="721 961 1459 1373" 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>
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="721 1617 1459 1839" 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> </div>

No	Location to be corrected	Corrections	
			<div style="border: 1px solid black; padding: 5px;"> <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> <p>For details on how to stop services of Hitachi Command Suite product, see the documentation for each Hitachi Command Suite products.</p>
8	Stopping Hitachi File Services Manager Using the Windows menu	Add	<p>If Hitachi File Services Manager are stopped normally, the following messages are displayed:</p> <div style="border: 1px solid black; padding: 5px;"> <p>KAPM05017-I Succeeded in stopping of service. service-name=HFSM Web Service</p> </div>

No	Location to be corrected	Corrections	
	2		<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> <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	<p>Stopping Hitachi File Services Manager</p> <p>Using a command</p> <p>1</p>	Add	<p>If Hitachi File Services Manager are stopped normally, the following messages are displayed:</p> <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> <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	<p>Checking whether Hitachi File Services Manager is running</p> <p>Using the Windows menu</p> <p>2</p>	Add	<p>If Hitachi File Services Manager and Hitachi Command Suite Common Component are stopped normally, the following messages are displayed:</p> <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>

No	Location to be corrected	Corrections	
			<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	<p>Checking whether Hitachi File Services Manager is running</p> <p>Using a command</p> <p>1</p>	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="719 615 1459 1026" 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	<p>Settings when Internet Explorer is used on the management console</p> <p>Notes when using Internet Explorer</p>	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 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.</p>
		After	<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>

No	Location to be corrected	Corrections	
13	Notes on managing an HDI system (required reading)	Add	<p>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.</p>
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 • 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)

No	Location to be corrected	Corrections	
			<ul style="list-style-type: none"> • 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 • 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

No	Location to be corrected	Corrections	
			<ul style="list-style-type: none"> • 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	Environment settings for a management console	Before	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.
	Requirements for a management console Table 3-6 Requirements for a management console Web browser	After	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.
16	About file systems Creating an LU (device file) or volume group	Before	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.
	For a single-node configuration	After	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.

No	Location to be corrected	Corrections	
17	Requirements for a management server Table 3-2 Requirements for a management server OS	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	Requirements for a management console Table 3-6 Requirements for a management console OS	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 • 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

No	Location to be corrected	Corrections	
			<ul style="list-style-type: none"> • 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 • 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

No	Location to be corrected	Corrections	
			<ul style="list-style-type: none"> • 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	Performing a new 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.
	Changing the management server to 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.
20	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.
	Upgrade or overwrite installation on the executing node of the management server	After	1. From the Windows Start menu, choose Control Panel, Administrative Tools, and then Failover Cluster Management to display Failover Cluster Management.
21	Performing an upgrade or overwrite	Before	1. From the Windows Start menu, choose Settings, Control Panel, Administrative Tools, and then Failover Cluster Management to display Failover Cluster Management.

No	Location to be corrected	Corrections	
	installation of Hitachi File Services Manager (if the management server is running in a cluster configuration) 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	7. Make sure that the specified information is correct, and then click the Install button. Installation starts and a series of dialog boxes indicating the processing status appear. If the installation is successful, the Installation Complete dialog box appears. Notes: <input type="checkbox"/> Clicking the Install button automatically imports the SSL certificate into the following keystore file:
		After	7. Make sure that the specified information is correct, and then click the Install button. 8. 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 7.

No	Location to be corrected	Corrections	
			<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"> <input type="checkbox"/> 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 uninstallation is successful, the Uninstallation Complete dialog box appears.</p>

Fixed problems

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

Affected version:	2.1.0-00
The 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
The condition:	It may occur when a request from a malicious user is received.
The evasion plan:	None.
The recovery plan:	None.

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

Affected version:	6.1.0-00
The phenomenon:	KAQM19030-E occurs when starting the Migration Tasks dialog box.
The 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.
The evasion plan:	Specify an IPv4 address for a virtual IP address and use GUI.
The recovery plan:	None.

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

Affected version:	2.1.0-00
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The phenomenon: Unnecessary logs can be output when HFSM installation is executed.

The condition: It occurs when HFSM installation is executed.

The evasion plan: None.

The recovery plan: None.

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

Affected version: 2.1.0-00

The 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.

The condition: It may occur when all the following conditions are met.

(a) A refreshing operation fails.

(b) After (a), an HFSM operation is performed.

The evasion plan: None.

The 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
- The phenomenon:** When the database update processing after update installation fails, the management GUI is unavailable unless new installation is performed.
- The 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.
- The evasion plan:** Perform new installation.
- The 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
- The 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
- The condition:** It may occur when a request from a malicious user is received.
- The evasion plan:** None.
- The recovery plan:** None.

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

- Affected version:** 2.2.1-00
- The phenomenon:** The vulnerability reported with the CVE below might affect.
CVE-2020-14803
- The condition:** It may occur when a factitious request is received from a malicious user.
- The evasion plan:** None.
- The recovery plan:** None.

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

Affected version: 2.1.0-00

The 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 .

The condition: It may occur when a cancellation operation is performed on the Setup Status window at installation or removal.

The evasion plan: Do not perform a cancellation operation on the Setup Status window at installation or removal.

The 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\HITACHI\Hitachi File Services Manager

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

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

\\HKEY_LOCAL_MACHINE\SOFTWARE\HITACHI\HiCommand Base 64

\\HKEY_LOCAL_MACHINE\SOFTWARE\HITACHI\HiRDBEmbeddedEdition_HD1

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

\\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\HITACHI\HiRDBEmbeddedEdition_HD1

\\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\HBase64 Event

\\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\HBase64 Storage Mgmt Log

\\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\HiRDBEmbeddedEdition_HD1

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\HBase64StgMgmtSSOService

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\HBase64StgMgmtWebService

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\HBase64StgMgmtWebSSOService

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\HiRDBClusterService_HD1

\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\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.

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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