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Hitachi Automation Director
8.1.4-00 Release Notes

About this document

This document (RN-92HC206-04, June 2015) provides late-breaking information about Hitachi Automation Director 8.1.4-00. It includes information that was not available at the time the technical documentation for this product was published, as well as a list of known problems and solutions.

Intended audience

This document is intended for customers and Hitachi Data Systems partners who license and use Hitachi Automation Director.

Getting help

The Hitachi Data Systems Support Center staff is available 24 hours a day, seven days a week. To reach us, please visit the support website at https://portal.hds.com for current telephone numbers and other contact information. If you purchased this product from an authorized HDS reseller, contact that reseller for support.

About this release

This release provides new functionality, as well as fixing a variety of bugs.

Product package contents

Table 1 Software and documents in this product package

Medium	DVD-ROM	Revision	Release Type
Software	Hitachi Automation Director	8.1.4-00	Full Package
Documents	Hitachi Command Suite Automation Director Installation and Configuration Guide	MK-92HC204-02	
	Hitachi Command Suite Automation Director User Guide	MK-92HC205-03	
	Hitachi Command Suite Automation Director API Reference Guide	MK-92HC217-03	
	Hitachi Command Suite Automation Director Messages	MK-92HC221-02	
	Hitachi Command Suite Automation Director Service Builder User Guide	MK-92HC222-01	

New features and important enhancements

For 8.1.4-00

#	New Features and Enhancements	Applied products	Applied OS
1.	New Microcode Support (VSP G1000 V02+2)	Automation Director	Windows
2.	Automation Director now provides an enhanced version of the General Command Plug-in which executes a command line on the destination host	Automation Director	Windows
3.	Automation Director now provides an intelligent allocation service that creates and uses sets of volumes with in-system thin image replication*.	Automation Director	Windows

* Device Manager v8.1.4 or later and Replication Manager v8.1.4 or later are required.

System requirements

The system requirements and prerequisites for Hitachi Automation Director are located in *Hitachi Command Suite System Requirements* (MK-92HC209).

License keys

The Hitachi Automation Director product requires a license key.

Resolved problems

From 8.1.4-00 to 8.1.4-03

#	Corrected Problems	Applied products	Applied OS
1	If a volume having the same LDEV ID exists in two or more storage systems, the Allocate volumes with Snapshot (Thin Image) service may fail.	Device Manager	Windows Linux

From 8.1.3-00 to 8.1.4-00

#	Corrected Problems	Applied products	Applied OS
1	If an Infrastructure Group contains the default resource groups VSP G1000 or "All Resources", Replication service may fail.	Automation Director	Windows
2	Access to VMware vCenter fails if you register a Host Name that contains uppercase letters in the "IP Address/Host name" field in the "Connections to VMware vCenter" section of the Administration tab.	Automation Director	Windows

Known problems

1. When Hitachi Automation Director (HAD) opens a new browser window instance, such as when you launch Service Builder, closing the new window may cause intermittent display issues in the original HAD window. If you encounter this issue, close the main HAD window and start HAD again.

2. HAD does not support Internet Explorer in Modern UI mode.

3. If you use the zoom function with the browser, some HAD information may not display correctly. To resolve this issue, refresh the window.

4. If you are using HAD Service Builder, you must ensure that the Flash Player plug-in in enabled within the browser.

5. When using Internet Explorer 10 and 11 with HAD, new browser sub-windows may open behind the main parent window. For example, when you open the Help screen, it opens behind the main window.

6. You cannot change the logical host name of the active or standby HAD server after you set up a cluster environment. To change the logical host name of either HAD server, you must reinstall HAD and set up the cluster again.

7. When using Internet Explorer 10 to view the HAD online Help, the navigation pane remains visible even after you click the X icon. In addition, when you try to access a Help topic, the content pane appears blank. To resolve these issues, close the Help window and open it again.

8. HAD does not support the File Import feature of Service Builder when you are using a Firefox browser on Linux and SSL is enabled for HAD server/client communication.

9. HAD v8.1.3 or earlier does not function properly with HDvM v8.1.4 or later. To use HDvM v8.1.4 or later, you must update HAD to v8.1.4 or later.

10. Device Manager Connections will show an error status for any HCS v8.1.4 connection. However, the connection is valid and the status automatically changes to green when you submit a service request.

11. When running Tasks using the Allocate Volumes with Snapshot (Thin Image) service, be aware of the following:

    - In cases in which you specify an existing host when you configure backup host settings, the following may occur:

      If you specify a Backup Server host that does not belong to a Host Group, the V-Vol Provisioning step fails. If you want to specify a Backup Server host, you must allocate volumes to the host within the Resource Group that will be used in the Allocate Volumes with Snapshot (Thin Image) service, or create the Host Group in advance by using Storage Navigator.

    - In cases in which you specify a Host Group when you configure backup host settings, the following may occur

      If you specify a Host Group name and the host group does not exist, the task creates a new host group. The newly created Host Group may be assigned from a Resource Group that is outside of the Infrastructure Group of the Service. Regardless, the created pair functions correctly. If you don't

want to assign the Host Group from a Resource Group outside of the Infrastructure Group of the Service, create a new Host Group in advance by using Storage Navigator.

Usage precautions

1. Limitation for using Virtual copy pair instances: HAD accepts only Replication Settings instances that include a pair definition defined with a physical volume ID.

2. Managing HAD-created copy pairs with Replication Manager requires that you refresh the Device Manager instance that manages the storage system. (Service Template Name: Services that allocate volumes with replication)

3. HAD supports provisioning from HDP pools only for HUS arrays.

4. New versions of some service templates are not supported by Device Manager v8.1.1 and v8.1.2. Please refer the support matrix table provided at the end of this section. Use the following procedure to import an older version of a service template when using Device Manager v8.1.1 and v8.1.2.

   Note: Automation Director allows previous versions of service templates, but does not import them by default.

   a) Use a remote desktop connection to access the Automation Director server.
   b) Log in to Automation Director using a user role higher than Develop.
   c) Do one of the following to import service templates:

   - On the dashboard, in the Guidance Menu, click **Import Service Template**.
   - Navigate to **Tools > Service Builder** and under **Actions for Service Templates**, click **Import**.

   d) Browse to the *<Automation-Director-installation folder>*\public\storagecontents\<Versionsfolder> and select a file with the .st extension.

The following table provides the service template support matrix:

Service Template Name	Service Template Version	Device Manager Version			
		8.1.4 -	8.1.3 -	8.1.2 -	8.1.1-
Services that allocate volumes	01.00.00	A	A	A	A
	01.12.00	A	A	A	A
	01.13.00	A	A	N/A	N/A
	01.14.00	A	A	N/A	N/A
Services that allocate volumes with replication	01.00.00	A	A	A	A
	01.12.00	A	A	A	A
	01.13.00	A	A	N/A	N/A
	01.14.00	A	A	N/A	N/A

Services that allocate volumes with Snapshot(Thin Image)	01.14.00	A	N/A	N/A	N/A
Services that allocate volumes and add to an Oracle database	01.00.00	A	A	A	A
	01.12.00	A	A	A	A
	01.13.00	A	A	N/A	N/A
	01.14.00	A	A	N/A	N/A
Services that allocate volumes and create a datastore on a VMware vSphere	01.00.00	A	A	A	A
	01.12.00	A	A	A	A
	01.13.00	A	A	N/A	N/A
	01.14.00	A	A	N/A	N/A
Services that allocate like volumes	01.00.00	A	A	A	A
	01.12.00	A	A	A	A
	01.13.00	A	A	A	A
	01.14.00	A	A	A	A
Services that allocate like volumes and add to an Oracle database	01.00.00	A	A	A	A
	01.12.00	A	A	A	A
	01.13.00	A	A	A	A
	01.14.00	A	A	A	A
Services that allocate like volumes and create a datastore on a VMware vSphere	01.00.00	A	A	A	A
	01.12.00	A	A	A	A
	01.13.00	A	A	A	A
	01.14.00	A	A	A	A

N/A: The environment or function is not available
A: Available

5. Global-active device pair volumes that use the GAD 3DC delta resync configuration are not supported.

6. When "OUTDATED" is displayed for the following service templates, do not update the service template as tasks requested through the updated service may fail.

-Allocate Volumes with Replication for Citrix XenDesktop on Microsoft Hyper-V

-Allocate Volumes with Replication for Citrix XenDesktop on VMware vSphere

-Allocate Volumes with Replication for Generic Application

-Allocate Volumes with Replication for Microsoft Exchange Server

-Allocate Volumes with Replication for Microsoft SQL Server

-Allocate Volumes with Replication for Oracle Database

7. Tasks using the Allocate Volumes with Snapshot (Thin Image) service may fail during the Pair Creation step if you run the tasks when Replication Manager or Device Manager is refreshing the Storage Systems. Do not run these tasks during this time.

Documentation

Available documents

Table 2 Available documents

Manual Name	Manual No.	Issue Date
Hitachi Command Suite Automation Director Installation and Configuration Guide	MK-92HC204-02	May 2015
Hitachi Command Suite Automation Director User Guide	MK-92HC205-03	May 2015
Hitachi Command Suite Automation Director API Reference Guide	MK-92HC217-03	May 2015
Hitachi Command Suite Automation Director Messages	MK-92HC221-02	May 2015
Hitachi Command Suite Automation Director Service Builder User Guide	MK-92HC222-01	May 2015

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This product includes software developed by Ralf S. Engelschall <rse@engelschall.com> for use in the mod_ssl project (http://www.modssl.org/).

Portions of this software were developed at the National Center for Supercomputing Applications (NCSA) at the University of Illinois at Urbana-Champaign.

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