

Hitachi Infrastructure Management Pack for VMware vRealize Operations 02.10.0 Release Notes

About this document

This document (RN-92ADPTR080-23, July 2024) provides late-breaking information about Hitachi Infrastructure Management Pack for VMware vRealize Operations 02.10.0. 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 Vantara partners who license and use Hitachi Infrastructure Management Pack for VMware vRealize Operations.

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About this release

This release is a major release that adds new features.

Software and Hardware Support

The software and hardware listed below is supported by this release. Hardware and/or software not listed in the table(s) below is not supported by this release.

Operating Systems

Hitachi Infrastructure Management Pack for VMware vRealize Operations supports following operating systems:

Operating Systems	Client ^{Note}
Microsoft Windows (dependent on the versions supported by VMware vRealize Operations)	X

Note: an operating system in the client role is used to access the VMware vRealize Operations Manager server using a Web browser.

Supported Software

Hitachi Infrastructure Management Pack for VMware vRealize Operations supports the following software:

Software	Versions
VMware vRealize Operations Manager	8.10
VMware Aria Operations	8.12, 8.14, 8.16, 8.17
VMware vCenter Server (Standalone and vApp based ver.)	7.0 Update 3 8.0 Update 2
VMware ESXi Server	7.0 Update 3 8.0 Update 2
Hitachi Infrastructure Analytics Advisor (The name of "Hitachi Infrastructure Analytics Advisor" has been changed to "Hitachi Ops Center Analyzer" on version 10.0.0.)	3.2.0 or later
Hitachi Data Center Analytics (The name of "Hitachi Infrastructure Analytics Advisor" has been changed to "Hitachi Ops Center Analyzer detail view" on version 10.0.0.)	Dependent on HIAA prerequisite version
<ul style="list-style-type: none"> • Microsoft Edge • Mozilla Firefox • Google Chrome 	Support version compiles with the VMware vRealize Operations Manager supported version.

Storage Systems

Hitachi Infrastructure Management Pack for VMware vRealize Operations supports the following storage systems:

Storage model	Firmware version
VSP E590, E790	93-03-01 or later

VSP E590H, E790H	93-05-02 or later
VSP E990	93-02-01 or later
VSP E1090, E1090H	93-06-01 or later
VSP F400, F600, F800 VSP G200, G400, G600, G800	83-02-01 or later
VSP F350, F370, F700, F900 VSP G350, G370, G700, G900	88-01 or later
VSP N400, N600, N800	83-06-01 or later
VSP 5100, 5500, 5100H, 5500H	90-01-41 or later
VSP 5200, 5600, 5200H, 5600H	90-08-01 or later
VSP F1500, VSP G1500	80-05 or later
VSP G1000	80-03-31 or later
VSP One B24, B26, B28	A3-02-21 or later
VSP One SDS Block	01.12.00.xx, 01.13.00.xx, 01.14.00.xx

Brocade FC Switches

Hitachi Infrastructure Management Pack for VMware vRealize Operations supports the following

Brocade Fabric OS version:

6.1.2b1, 6.2.2d, 6.3.2e8, 7.0.2e, 7.2.1a, 7.4.1b, 8.2.0, 8.2.0a and 8.2.0b

Changes in this Release

New Features

- Support of VSP One Block B24, B26, B28
- Support of VSP One SDS Block 01.13.00.xx, 01.14.00.xx
- VMware Aria Operations Manager 8.16 and 8.17 are now supported
- VMware vCenter Server 8.0 Update 2 is now supported

- VMware ESXi 8.0 Update 2 is now supported
- Dropping support of HNAS 4040, 4060, 4080, 4100
- Dropping support of NAS module of VSP N400, N600, N800

Improvements

None

Bug-Fixes

None

Known Problems

- Alerts "Status of Brocade Fabric Switch is Faulty." and "Status of Brocade Fabric Switch Port is Faulty." are not output.

Operating Suggestions

- When using the dedupe and compression function, the busy rate of Management Processor Blade might exceed 40% by running the compression and deduplication and processing garbage collection, and Hitachi Infrastructure Management Pack for VMware vRealize Operations alerts immediately. Then ask the storage administrator to judge the necessity of counter action.
- The three metrics below are collected and displayed by the Hitachi Infrastructure Management Pack for VMware vRealize Operations only per an hour.
 - Initial Copy Xfer Rate (MBps)
 - Update Copy Xfer Rate (MBps)
 - Total Copy Xfer Rate (MBps)

These three metrics could be used in the use cases below.

[Initial Copy Xfer Rate (MBps)]

If the initial copy takes more than an hour, users could check this metric. If the initial copy ends in less than an hour, this metric might be 0 on the dashboard.

[Update Copy Xfer rate (MBps) and Total Copy Xfer Rate (MBps)]

If the values of these metrics are lower than the expected values, users ask the storage administrator to check the cause and resolve it.

Relationship between the collecting interval of the Ops Center Analyzer and the one of the Hitachi Infrastructure Management Pack for VMware vRealize Operations, see "Collecting performance information from HIAA/Ops Center Analyzer" in Chapter4 of the User's Guide.

- Hitachi Infrastructure Management Pack for VMware vRealize Operations can collect all the metrics of Hitachi Virtual Storage Software Block(VSSB) which including Virtual Private Storages(VPS). To enable this functionality, please assign Monitor role to system administrator of VSSB and create probes on Analyzer probe server using the credential of system administrator of VSSB.

Restrictions

- Accelerated compression is not supported on VSP 5000 series even if parity groups are made up of flash drives. The management pack does not support to display metrics of data reduction by Accelerated compression is not supported for VSP 5000 series.
- Under the VSP E590/E590H and E790/E790H environment including a global-active device configuration, metric information of the Virtual Logical Device object will not be collected for the global-active device configuration and the W3200010 message will be output to the log.

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