

Hitachi Storage Adapter for the SAP HANA® Platform v04.0.0 Release Notes

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About this document

This document (RN-92ADPTR147-04, April 2021) provides new features and important enhancement information about the Hitachi Storage Adapter for the SAP HANA® Platform.

Intended audience

This document is intended for customers and Hitachi Vantara partners who license and use the Hitachi Storage Adapter for the SAP HANA Platform.

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.

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Accessing product downloads

Product software, drivers, and firmware downloads are available on the Hitachi Vantara Support Website: <https://support.hitachivantara.com/>.

Log in and select Product Downloads to access the most current downloads, including important updates that may have been made after the release of the product.

About this release

This release adds support for VSP E990.

The Hitachi Storage Adapter for the SAP HANA Platform v04.0.0 release continuously supports SAP HANA Extended Application Service Advanced Model (XSA) and multi-tenants for SAP HANA 2.0 SPS 04.

Supported hardware and software

Hardware requirements for adapter management server

| Item | Requirements |
|--------|-----------------|
| CPU | 2 vCPUs or more |
| Memory | 8 GB or more |

| | |
|----------------|--|
| Network | 1 vNIC or more |
| HDD Capacity | 240 GB or more |
| Supported HBAs | All HBAs on the hypervisor certified by Microsoft or VMware are supported. |

Software requirements

This adapter is pre-configured as a VMware virtual appliance or Microsoft Hyper-V virtual appliance. It can only be hosted on a VMware ESXi 6.5 / 6.7 server or a Microsoft® Windows Hyper-V Server 2016 and 2019. For a VMware environment, it can only be deployed using a VMware vCenter® server.

Virtual appliance requirement

| Hypervisor | Supported |
|---|-----------|
| ESXi 6.5 / 6.7 | Yes |
| Microsoft® Windows Hyper-V Server 2016 / 2019 | Yes |

HANA database operating systems

| OS versions | Supported |
|---|-----------|
| Red Hat Enterprise Linux Server 7.4 SAP HANA 2.0 SPS 03 Scale-Up MDC with Single Tenant | Yes |
| Red Hat Enterprise Linux Server 7.4 SAP HANA 2.0 SPS 04 Scale-Up MDC with Multiple Tenant | Yes |
| Red Hat Enterprise Linux Server 7.6 SAP HANA 2.0 SPS04 Scale-Up MDC with Multiple Tenant | Yes |
| SUSE Linux Enterprise Server 12 SP4 SAP HANA 2.0 SPS 03 Scale-Up MDC with Single Tenant | Yes |
| SUSE Linux Enterprise Server 12 SP4 SAP HANA 2.0 SPS 04 Scale-Up MDC with Multiple Tenant | Yes |

| | |
|---|-----|
| SUSE Linux Enterprise Server 12 SP4 SAP HANA 2.0 SPS 04 Scale-Up MDC with Single Tenant in Virtual Machine on VMware ESXi | Yes |
| Red Hat Enterprise Linux Server 7.6 SAP HANA 2.0 SPS 04 Scale-Out MDC with Multiple Tenant | Yes |

HANA volumes

| Volume name | Volume type | Supported |
|----------------------|-------------|-----------|
| OS | LVM | Yes |
| OS | Plain LUN | Yes |
| Data, Log, and Share | LVM | Yes |
| Data, Log, and Share | Plain LUN | No |

Storage models

| System model | Microcode/Firmware | Supported |
|--|--------------------|-----------|
| VSP F1500, VSP G1000, VSP G1500 | 80-06-73-00/00 | Yes |
| VSP Gx00 (x = 2/4/6/8) VSP Fx00 (x = 4/6/8) | 83-05-34-x0/00 | Yes |
| VSP Gx00 with NAS Module (G400/G600/G800) | 83-05-34-x0/00 | Yes |
| VSP G130/G350/G370/ G700/G900 VSP F350/F370/F700/F900 | 88-04-03-x0/00 | Yes |
| VSP 5100/5100H/5500/5500H | 90-02-02-00/00 | Yes |
| VSP E990 | 93-01-01-60/01 | Yes |

Replication software

| Replication software | Supported |
|----------------------|-----------|
|----------------------|-----------|

| | |
|-------------------------------|-----|
| Hitachi ShadowImage | Yes |
| Hitachi Thin Image | Yes |
| Hitachi Universal Replication | Yes |

Consistency groups

| Copy type | CTG range |
|-------------------------------|--|
| Hitachi ShadowImage | 0-127 |
| Hitachi Thin Image | 0-2048 |
| Hitachi Universal Replication | <p>Depends on the storage model.</p> <p>VSP 5100/5100H/5500/5500H: 256 (0 to 255)</p> <p>VSP G1x00 and VSP F1500: 256 (0 to 255)</p> <p>VSP G900, VSP F900: 256 CTGs (0 to 255)</p> <p>VSP G800, VSP F800: 128 (0 to 127)</p> <p>VSP G350, VSP G370, VSP G700, VSP F350, VSP F370, VSP F700: 128 CTGs (0 to 127)</p> <p>VSP G400, VSP F400, VSP G600, VSP F600: 64 (0 to 63)</p> <p>VSP G200: 16 (0 to 15)</p> |

Host interface

| Interface | Supported |
|---------------|-----------|
| Fibre Channel | Yes |

Virtualized SAP HANA (vHANA) support required documentation and installation media

Refer to the Hitachi Solution for the SAP HANA Platform Using Intel Xeon Scalable Processors and VMware vSphere® (CTO-SL-115-0).

New features and important enhancements

- Support for VSP E990
- Bug fixes

Known issues

- You may experience a time-out issue when registering a host storage system using the adapter in the XSA environment. Hitachi Vantara provides a solution in the User Guide to help resolve this issue successfully. Refer to “Changing the INCOMING_CONNECTION_TIMEOUT Value” in the Troubleshooting section of the Hitachi Storage Adapter for the SAP HANA Platform User Guide.
- You may experience cache issue when using the Microsoft® Internet Explorer browser. As a solution, Hitachi Vantara recommends using Google Chrome™ browser instead.
- Occasionally register VSP F700 storage system encounters an error by using SVP IP. The adapter user interface throws the following error "E5900029: This functionality or a part of it is not supported for this device". Workaround: Use the controller IP address for the Storage Location (IP) field when registering this storage system.

Documentation

Product user documentation is available on Hitachi Vantara Knowledge Portal: https://knowledge.hitachivantara.com/Documents/Adapters_and_Drivers/Storage_Adapters_and_Drivers/SAP_HANA/Storage_Adapter_for_the_SAP_HANA_Platform. Check this site for the most current documentation, including important updates that may have been made after the release of the product.

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