

# Hitachi Storage (VASA) Provider for VMware vCenter v3.7.4 Release Notes

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## About this document

This document (RN-90ADPTR011-42, June 2024) provides late-breaking information about Hitachi Storage Provider for VMware vCenter v3.7.4. 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 Storage Provider for VMware vCenter.

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## About this release

This is a minor release that adds new features.

## Hardware and software support

### Supported storage devices

The following storage devices are supported.

- Hitachi Virtual Storage Platform 5200, 5200H, 5600, 5600H with the microcode 90-08-01-00/00 or later
- Hitachi Virtual Storage Platform E1090, E1090H with the microcode 93-06-01-x0/00 or later
- Hitachi Virtual Storage Platform E590, E790, E990, E590H, E790H with the microcode 93-01-01-x0/00 or later
- Hitachi Virtual Storage Platform 5100, 5500, 5100H, 5500H with the microcode 90-05-01-00/00 or later
- Hitachi Virtual Storage Platform F350, F370, F700, F900 with the microcode 88-07-01-x0/00 or later

- Hitachi Virtual Storage Platform G350, G370, G700, G900 with the microcode 88-07-01-x0/00 or later
- Hitachi Virtual Storage Platform F1500 with the microcode 80-05 or later
- Hitachi Virtual Storage Platform G1500 with the microcode 80-05 or later
- Hitachi Virtual Storage Platform F400, F600, F800 with the microcode 83-02 or later
- Hitachi Virtual Storage Platform G200, G400, G600, G800 with the microcode 83-02 or later
- Hitachi Virtual Storage Platform G1000 with the microcode 80-03 or later

\* If using vVols Replication, confirm supported microcode versions of Hitachi Ops Center Protector. For see details, see the documentations of Hitachi Ops Center Protector.

## Software requirements

The following VMware software is supported:

- VMware vCenter Server 7.0 update 3
- VMware ESXi 7.0 update 3
- VMware vCenter Server 8.0 / 8.0 update 1 / 8.0 update 2
- VMware ESXi 8.0 / 8.0 update 1 / 8.0 update 2

The following storage management software is supported (optional):

- Hitachi Configuration Manager 8.6.0 or later (vVols is not supported)
- Hitachi Ops Center Protector 7.7.1

## New features and enhancements

- A Reprotect and Failback after a Forced Failover operation are supported.
- Upgrading the VASA Provider by using an upgrade patch without the need to deploy a new OVA and migrate data.
- A LDAP domain of vCenter Single Sign-On is supported.
- iSCSI for vVols replication is supported.
- VMware vSphere 8.0 update 2 support.
- Hitachi Ops Center Protector 7.7.1 support.

# Improvements

- Security Improvements (upgrading OSS version and removing unnecessary permissions from files and directories in the OS).
- A Forced Failover can be performed when a local site has a failure during a Planned Failover.
- A Test Failover Stop can be performed when a local site has a failure during a Test Failover Start.
- Deleting VM Snapshot works normally to prevent the VASA Provider's database from becoming an inconsistent state partially when a snapshot deletion process fails on the storage side.

# Fixed Issues

- Adding a storage system fails. There is no mention of this requirement in the Port or firewall requirements section of the manual.

# Restrictions and Considerations

For restrictions and considerations of the general vVols feature, refer MK-90ADPTR010-33.

For restrictions and considerations of vVols replication, refer MK-92ADPTR153-06.

- In the second note of the procedure 3 in "Performing a Reprotect and Failback" section, delete a VM's all snapshots before removing the VM from an inventory. If you do not delete them, a data vVol might not be deleted when you delete the VM after you perform the procedure in "Performing a Forced Failover" and "Performing a Failback after restoring the local site" section. In this case, delete the data vVol referring to the following section in a troubleshooting guide of VASA Provider Web UI.
  - vVols related to VMs, which does not exist on vSphere Client, exists on the vVol list on the Manage Storage Container screen of the VASA Provider's Web UI. ("General Troubleshooting for vVols Replication" section).
- If an EB30191C message is output to the log, perform the following procedures. Access to a Protector Web UI and move to Replications and Clones screen. If a target replication is not shown in Replications and Clones, restart a Protector Master

and Protector Clients as possible as you can. Then, after the target replication is shown in Replications and Clones screen, perform a Forced Failover again.

- If an EB301971 message is output to the log, check a status of a remote replication group in a VASA Provider Web UI at a local site. If the status is INTEST, perform as follows:
  - If a Local Replication Group Status in the VASA Provider Web UI at a remote site is INTEST, perform Test Failover Stop (Planned).
  - If a Local Replication Group Status in the VASA Provider Web UI at a remote site is TARGET, perform Test Failover Start (Unplanned). And then, perform Test Failover Stop (Planned).

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