

# Hitachi Storage Adapter for Oracle VM

v05.1.0  
Release Notes

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## About This Document

This release note document covers the release of the Hitachi Storage Adapter for Oracle VM v05.1.0.

It includes information that was not available at the time of technical documentation for this product was published, as well as list of known issues and solutions.

Revision	Date
RN-92ADPTR051-00	April 2014
RN-92ADPTR051-01	November 2014

## Intended Audience

This document is intended for customers and Hitachi Data Systems partners who license and use the Hitachi Storage Adapter for Oracle VM.

## Getting Help

The Hitachi Data Systems Support Center staff is available 24 hours a day, seven days a week. Provisions for patches and fixes are restricted to normal business hours, 8 a.m. to 5 p.m. PST.

If you need technical support, log on to the Hitachi Data Systems Portal for contact information: <https://portal.hds.com>. If you purchased this product from an authorized Hitachi Data Systems reseller, contact that reseller for support.

Before calling the Hitachi Data Systems Support Center, please provide as much information about the problem as possible, including:

- The circumstances surrounding the error or failure.
- The exact content of any error message(s) displayed on the host system(s).

## About Release v05.1.0

These release notes cover the release of the Hitachi Storage Adapter for Oracle VM 05.1.0.

## Supported Hardware and Software

**Note** This release supports only the hardware and software listed in this document.



The Hitachi Storage Adapter for Oracle VM must be installed on an OVS server. Note the following minimum requirements.

### Hardware Requirements

<b>Supported Host Platforms</b>	Systems with x86 or x86_64; 64-bit processors. Dual-core CPU or multiple CPUs are recommended to run multiple guests.
<b>Minimum Memory</b>	1GB
<b>Recommended Memory</b>	2GB
<b>Number of Supported Guests</b>	Based on the amount of physical memory in the server and the amount of memory allocated to each guest.
<b>CPUs Supporting Hardware Virtualized Guests</b>	For hardware virtualized (unmodified) guest operating systems (for example, Microsoft Windows), a CPU with hardware virtualization support is required. This feature may also need to be enabled in the BIOS. Refer to your processor documentation for information on whether your processor supports hardware virtualization and how to enable it in the BIOS.
<b>Maximum Number of CPUs</b>	Oracle VM Server: 160 CPUs (threads) Guests: 128 virtual CPUs
<b>Maximum Memory</b>	Oracle VM Server: 4TB.

### Software Requirements

Requirement
OVS server 3.3.1 installed
OVM manager 3.3.1 installed
Raidmanager version 01-32-03/03 installed and configured
Command Control Interface (CCI) 01-32-03/03 Must be installed and configured. See the <i>Hitachi Command Control Interface Installation and Configuration Guide for instructions.</i>

## Operating System

OS Version	Supported
Server-OVS 3.3.1	X
Client-Oracle Enterprise Linux 6.3	X

## Storage Model

Model	MicroVersion	Supported
Hitachi Unified Storage VM	73-02-03-00/00	X
Virtual Storage Platform	70-06-04-00/00	X
Virtual Storage Platform-G1000	80-01-20-00/06	X
Adaptable Modular Storage	08C3/R-Y	X
Hitachi Unified Storage	0977/H-S	X

## Replication Software

Replication Software	Category	Supported
Hitachi Shadow Image Software	VSP, HUS, AMS, HUS-VM, VSP-G1000, H-UVM	X

## Replication Configuration

Configuration	Supported
1-to-N	X

## Host Interface

Interface	Supported
FC	X
iSCSI	X

## Volume Type

Volume Type	Supported
Normal	X
HDP	X
HDT	X

## New Features and Important Enhancements

- Support for OVM3.3.1
- Added support for iSCSI.
- Support for Hitachi Unified Storage(HUS) subsystems.
- Support for Adaptable Modular Storage(AMS) subsystems.
- Support for Hitachi Universal Volume Manager (HUVM).

## Defects Addressed

None.

## Known Problems

- Snappool key in the user private data text field is not used by the adapter, but this is a mandatory field, user is expected to pass some dummy value. This field was added to support snapshot using Hitachi HTI/COW Pool, since current Oracle VM UI does not support creation of snapshot, we are not using this field
- Adapter supports Sparse clones method for cloning. Disks are duplicated by allocating only the space used by the original physical or virtual disks
- While registering a storage array, there is no provision to pass the storage serial number. The current workaround is to use the "Admin host" field for the serial number.
- For a clone operation, the UI does not provide an option to choose a data pool.
- Resizing a LUN is not supported in this release.
- LUN creation is only supported on a pool of type dynamic provisioning and parity group.
- Snapshot operation is not supported for this release.

- The discover SAN server operation times out for VSP for first-time discovery. This is an intermittent issue and is related to a slow OVM server.
- The storage name displayed under info perspective is 'N/A'.
- Sometimes the refresh operation fails for the HUS subsystem. This is an intermittent issue.
- Create access group operation is not supported in VBOX.
- Sometimes the OVM service needs to be restarted after the unregister SAN server operation. The unregistered array is not cleared up from the GUI.
- Sometimes the physical device created through the plugin shows a status of "error reading LU status". Once the SAN server is refreshed, the LUN status becomes 'Normal'.

## Documentation

Hitachi Storage Adapter for Oracle VM 05.1.0 User's Guide, MK-92ADPTR052-01

## Related Documents

Not applicable for this release.

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