

Hitachi Storage Adapter for SAP Landscape Virtualization Management v02.3.0 Release Notes

About this document.....	1
Intended audience.....	1
Getting help	1
Software and Hardware Support	2
Changes in this Release	4
New features and important enhancements	4
Known Problems	4
Fixed Problems	4
Restrictions and Considerations.....	4
Notice.....	4
Documentation	4
Copyrights and Licenses.....	5

About this document

- This document provides the latest information about the Hitachi Storage Adapter for SAP Landscape Virtualization Management. It includes information that was not available at the time the technical documentation for this product was published and known problems and solutions.

Intended audience

- This document is intended for customers and Hitachi Ltd. partners who license and use the Hitachi Storage Adapter for SAP Landscape Virtualization Management.

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.

To reach us, please visit the support Web site for current telephone numbers and other contact information: <http://www.hds.com/services/support/>. If you purchased this product from an authorized HDS 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).

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

The Hitachi Storage Adapter for SAP Landscape Virtualization Management supports the following operating systems:

#	Operating System
1.	Microsoft Windows Server 2008 R2 Standard/Enterprise/Datacenter Edition x64 SP1
2.	Microsoft Windows Server 2012/2012R2 Standard/Datacenter Edition x64
3.	IBM AIX 6.1 Enterprise Edition
4.	IBM AIX 7.1 Enterprise Edition
5.	Red Hat Enterprise Linux Server 5 x64
6.	Red Hat Enterprise Linux Server 6 x64
7.	SUSE Linux Enterprise Server 10 x64
8.	SUSE Linux Enterprise Server 11 x64
9.	Oracle Enterprise Linux 5 x64
10.	Oracle Enterprise Linux 6 x64
11.	HP-UX 11i v3

Virtualization Environment

The Hitachi Storage Adapter for SAP Landscape Virtualization Management supports the following virtualization environments:

#	Software	Remarks
1.	AIX POWER Hypervisor	Virtual Fibre Channel support
2.	VMware vSphere(ESXi) 5.0 / 5.1	Raw Device Mapping support
3.	HP-UX vPars and Integrity VM	Raw Device Mapping support

Software

The Hitachi Storage Adapter for SAP Landscape Virtualization Management supports the following software:

#	Software	Remarks
1.	Command Control Interface (CCI) version 01-32-03/03 or later	Required for VSP, HUS VM, VSP G1000, and VSP Gx00
2.	VMware vSphere	Required for virtual server of Red Hat Enterprise Linux Server and SUSE Linux Enterprise Server

Services

The Hitachi Storage Adapter for SAP Landscape Virtualization Management supports the following services:

#	Item	Description
1.	Virtual Disk Service	The Virtual Disk Service (VDS) manages a wide range of storage configurations, from single-disk desktops to external storage arrays.

Storage Systems

The Hitachi Storage Adapter for SAP Landscape Virtualization Management supports the following storage systems:

#	Item	Description	
1.	Supported systems	<ul style="list-style-type: none"> ▪ VSP ▪ HUS VM ▪ VSP G1000 ▪ VSP Gx00 	
2.	Firmware revision	VSP	70-05-02-00/00 or later (for ShadowImage, Copy-on-Write Snapshot and Thin Image function)
		HUS VM	73-01-31-00/00 or later
		VSP G1000	80-01-01-00/00 or later
		VSP Gx00	83-01-01-00/00 or later
3.	Host port	VSP	Only Fibre Channel (iSCSI is not supported)
		HUS VM	

#	Item	Description
	VSP G1000	
	VSP Gx00	

Changes in this Release

New features and important enhancements

- This version is released to support VSP Gx00, SAP LVM 2.1, Windows on VMware for VSP/HUS VM/VSP G1000/VSP Gx00 storages, TrueCopy, and VSP G1000 H-UVM.
- Remove the word 'NetWeaver®' from the adapter name.

Known Problems

- Not Applicable for this release.

Fixed Problems

- None

Restrictions and Considerations

Refer to "2 Restrictions and Considerations" of the Hitachi Storage Adapter for SAP Landscape Virtualization Management User's Guide(MK-93SAP000-10).

Notice

- In case of using Hitachi Storage Adapter for SAP Landscape Virtualization Management 01.2.0 or lower and any other sign than "," (comma) is set as digit grouping symbol in Region and Language setting on Windows OS, user cannot execute SAP scenario. In this case, set it to "," (comma).
- In case of upgrading Hitachi Storage Adapter for SAP Landscape Virtualization Management from 01.2.0 or lower to 01.3.0 or higher and openssl package is not installed, user cannot execute SAP scenario. In this case, install it.

Documentation

Related Documents

This section lists the documents and their part numbers for this release.

- **Hitachi Storage Adapter for SAP Landscape Virtualization Management User's Guide**
(MK-93SAP000-10)

Copyrights and Licenses

Copyright © 2015 Hitachi Ltd., ALL RIGHTS RESERVED.

Legal Disclaimer

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or stored in a database or retrieval system for any purpose without the express written permission of Hitachi, Ltd. (hereinafter referred to as "Hitachi").

Hitachi reserves the right to make changes to this document at any time without notice and assume no responsibility for its use. This document contains the most current information available at the time of publication. When new and/or revised information becomes available, this entire document will be updated and distributed to all registered users.

All of the features described in this document may not be currently available. Refer to the most recent product announcement or contact your local Hitachi Data Systems Corporation sales office for information on feature and product availability.

Trademarks of other companies

Oracle and Java are registered trademarks of Oracle Corporation, its subsidiaries and affiliates.

"Microsoft", "Windows" and "Windows Server" are registered trademarks or trademarks of Microsoft Corp. in the United States and other countries.

"SAP" and "SAP Landscape Virtualization Management" are registered trademarks or trademarks of SAP AG in the United States and other countries.

Linux is a registered trademark or trademarks of Mr. Linus Torvalds in Japan and other countries.

Red Hat is a registered trademark or trademarks of Red Hat Inc. in the United States and other countries.

SUSE is trademarks of Novell. Inc. in Japan.

VMware, VMware vSphere are a registered trademark or trademarks of VMware, Inc. in the United States and other countries.

VMware, VMware vSphere ESXi are a registered trademark or trademarks of VMware, Inc. in the United States and other countries.

HP-UX is a registered trademark of Hewlett-Packard Development Company, L.P.

All other brand names and product names are registered trademarks or trademarks of the individual owners. In addition, ® and ™ are not marked in the text.