

Hitachi Global Link Manager

8.1.0-00 Release Notes

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About this document

This document (RN-00HS239-25, October 2014) provides late-breaking information about Hitachi Global Link Manager 8.1.0-00. 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 Data Systems partners who license and use Hitachi Global Link Manager.

Getting help

The Hitachi Data Systems Support Center staff is available 24 hours a day, seven days a week. To reach us, please visit the support website at <http://www.hds.com/services/support/> for current telephone numbers and

About this release

other contact information. If you purchased this product from an authorized HDS reseller, contact that reseller for support.

About this release

This release is a major release that adds new features.

Product package contents

Medium	CD-ROM	Revision	Release Type
Software	Hitachi Global Link Manager	8.1.0-00	Full Package
Documents	Release Notes (this document)		
	Hitachi Command Suite Global Link Manager Installation and Configuration Guide	MK-95HC107-17	
	Hitachi Command Suite Global Link Manager Messages	MK-95HC108-16	
	Hitachi Command Suite Global Link Manager Help	MK-08HCH156-810	
	Statement of Delivery and Usage Consent Form		

New features and important enhancements

For 8.1.0-00

#	New Features and Enhancements	Applicable Products	Applicable OS
1.	HGLM clients now support the Web browser shown in the Applicable Products column on the OSs listed in the Applicable OS column.	-	Fire Fox ESR 31 - Red Hat Enterprise Linux 6.2 - Red Hat Enterprise Linux 6.4 - Red Hat Enterprise Linux 6.5 - SUSE Linux Enterprise Server 11 SP3 (x86)
2.	HGLM can now manage HDLM instances running on any of the platforms listed in the Applicable OS column.	-	- Oracle Enterprise Linux 7

System requirements

System requirements have been moved into a separate document, Hitachi Command Suite System Requirements (MK-92HC209). The document is presented in HTML format to be read in a browser. Open the ZIP file, and read ReadMe.txt for information about how to access the document.

Resolved problems

None.

Known problems

(1) Problem in which UNKNOWN.UNKNOWN.- is displayed as the storage system name.

When all of the following conditions are true, UNKNOWN.UNKNOWN.- might appear as the storage system name displayed in the Paths tabbed-page, Multipath LU tabbed-page, Alerts subwindow, and the object tree of the storage system.

- A path is connected through an HP-UX multipath.
- There is an LU in which all the connected paths are disconnected.
- A host is refreshed.

To properly display the storage system name of the paths when this problem occurs, refresh the host for the corresponding HP-UX multipath after the paths of the disconnected LU are restored.

(2) If many hosts that each contain many paths are registered in HGLM and the acquisition of HDLM path status information is enabled, the refreshing of hosts might fail. To avoid this problem, disable the acquisition of HDLM path status information as follows:

(i) Open the following file with a text editor:

<HGLM-installation-folder>\conf\server.properties

(ii) Set the server.pathreport.enable property to "false" as follows:

server.pathreport.enable=false

(iii) Save the file, and then restart HGLM.

Refer to the following manual:

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 2.1 Types of Global Link Manager Installations - Preparing to Install Global Link Manager

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 2.1 Types of Global Link Manager Installations - Installing Global Link Manager for the First Time

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 2.1 Types of Global Link Manager Installations - Reinstalling Global Link Manager

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 4.2 Types of Global Link Manager Cluster Installations - Installing a Global Link Manager Cluster with other Hitachi Storage Command Suite Clusters Installed

Usage precautions

Refer to the following manual:

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 1.4 Operating in an IPv6 Environment

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.1 Notes When Executing Commands

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.2 Starting and Stopping Global Link Manager - Stopping Global Link Manager

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.3 Changing the Time of the Machine on which Global Link Manager Is Installed

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.4 Maintaining the Global Link Manager Database - Restoring the Global Link Manager Database

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.4 Maintaining the Global Link Manager Database - Migrating the Global Link Manager Database

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.4 Maintaining the Global Link Manager Database - Changing the Storage Location of the Global Link Manager Database

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.5 Changing Global Link Manager Environment Settings

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.5 Changing Global Link Manager Environment Settings - Changing Global Link Manager Server Settings

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.10 Security Settings for User Accounts

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.11 Setting a Warning Banner - Editing Message

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.11 Setting a Warning Banner - Registering Message

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.12 Generating Audit Logs - Editing the Environment Settings File for Audit Logs

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.15 Setup for Linking with an External Authentication Server - Linking to the LDAP Directory Server

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 3.15 Setup for Linking with an External Authentication Server - Linking to the RADIUS Server

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 5.2 Security Settings for Communication between a Server and an LDAP Directory Server

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 5.2 Security Settings for Communication between a Server and an LDAP Directory Server - Obtaining a Certificate for the LDAP Directory Server

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 5.2 Security Settings for Communication between a Server and an LDAP Directory Server - Importing the Certificate to the Truststore File

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Section 6.1 Overview of Hitachi Storage Command Suite Single Sign-On and User Integration Management

Hitachi Command Suite Global Link Manager Installation and Configuration Guide Appendix A. Notes on Using HDLM Version 5.8 or Later

Notes on settings when linking to a Windows2008 Active Directory (Domain Controller) as a Kerberos external authentication server from HSCS products for Windows

When Domain functional level of Windows Server 2008 Active Directory (domain controller) is configured by other than Windows Server 2008 level, Kerberos authentication between HSCS products for Windows and the Active Directory server fails.

To avoid this problem, the type of encryption that HSCS products use must be restricted to "rc4-hmac" only. In detail, perform the following procedures:

(i) Open the following file by text editor.

<installation-folder-for-Common-Component>\conf\exauth.properties

(ii) Append the following line to the file described in (1).

```
auth.kerberos.default_tkt_enctypes=rc4-hmac
```

(iii) Overwrite the file described in (2), and then quit the text editor.

After HGLM 7.6.0 or later has been upgraded from HGLM 7.5.0 or earlier. You must edit the properties file as described below.

Usage precautions

- (i) Open the following file with a text editor:
<HGLM-installation-folder>\conf\server.properties
- (ii) Set the server.agent.max_retry_count property to 110 as follows:
server.agent.max_retry_count=110
- (iii) Save the file, and then restart HGLM.

Notes on using Lockdown Mode on an ESXi host.

If Lockdown Mode is enabled, you cannot perform operations from a remote management client. For this reason, disable Lockdown Mode before you perform an operation from HGLM. Furthermore, because HGLM functions cannot collect information while Lockdown Mode is enabled, disable the following HGLM functions before you perform an operation using Lockdown Mode.

- Function for receiving SNMP traps
- Output of reports on path availability information

Documentation

Available documents

Document name	Document number	Issue date
Hitachi Command Suite Global Link Manager Installation and Configuration Guide	MK-95HC107-17	October, 2014
Hitachi Command Suite Global Link Manager Messages	MK-95HC108-16	October, 2014
Hitachi Command Suite Global Link Manager Help	MK-08HCH156-810	October, 2014
Hitachi Command Suite System Requirements	MK-92HC209-14	October, 2014

Documentation errata

None.

Appendix

Storage Systems that can be managed by Global Link Manager when DMP or HP-UX multipathing is used as multipath management software

An external storage device connected to hosts. The storage systems whose paths are managed by the multipath management software are subject to

Global Link Manager management. When DMP or HP-UX multipathing is used as multipath management software, the storage systems that can be managed by Global Link Manager are as follows.

#	Applicable OS	MultiPath Management Software	Storage System Name
1	Solaris 9(SPARC), Solaris 10(SPARC),	DMP 5.0 (MP3)	AMS/WMS series, USP/NSC series,
2	Windows Server 2003 R2(x86/x64) SP2, Windows Server 2008(IPF) noSP, Windows Server 2008 (x86/x64) noSP	DMP 5.1 (no AP), DMP 5.1 (AP1), DMP 5.1 (SP1)	USPV/USPVM, HP XP10000/12000, HP XP20000/24000
3	HP-UX 11i v3 (IPF) (*) HP-UX running on a virtual machine is not	HP-UX multipathing	Hitachi Universal Storage Platform, Hitachi Universal

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	supported.	<p>Storage Platform V, Hitachi Universal Storage Platform VM, Hitachi Virtual Storage Platform, Hitachi Virtual Storage Platform G1000, Hitachi Network Storage Controller NSC55, Hitachi Adaptable Modular Storage AMS200, Hitachi Adaptable Modular Storage AMS500, Hitachi Adaptable Modular Storage AMS1000, Hitachi Adaptable Modular Storage AMS2100, Hitachi Adaptable Modular Storage AMS2300, Hitachi Adaptable Modular Storage AMS2500, Hitachi Workgroup Modular Storage WMS100, SMS, HP StorageWorks XP10000 Disk Array, HP StorageWorks XP12000 Disk Array, HP StorageWorks XP20000 Disk Array, HP StorageWorks XP24000 Disk Array, HP StorageWorks P9500 Disk Array, HP XP7 Storage,</p>
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			SVS, Hitachi Unified Storage 110, Hitachi Unified Storage 130, Hitachi Unified Storage 150, Hitachi Unified Storage VM
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This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).

This product includes software developed by Ben Laurie for use in the Apache-SSL HTTP server project.

This product includes software developed by Ralf S. Engelschall <rse@engelschall.com> for use in the mod_ssl project (<http://www.modssl.org/>).

This product includes software developed by Greg Stein <gstein@lyra.org> for use in the mod_dav module for Apache (http://www.webdav.org/mod_dav/).

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