

Hitachi Protection Platform S1500 V8.0 Software Release Notes

RN-S1500-8.0

This release enhances the Hitachi Protection Platform S-Series product portfolio to include a standalone HPP for small data centers, work groups, remote and branch office environments.

V8.0 introduces the Hitachi Protection Platform S1500 system using the base HDS Compute Rack 220S hardware platform and the S-Series software. V8.0 introduces the Hitachi Data Systems branded console manager on the S1500.

These customer software release notes cite enhancements, issues fixed, known issues and vendor-specific considerations.

Enhancements

The V8.0 release uses CentOS V6.5 and Linux Kernel V3.13 as the operating system platform.

This release uses the ext4 Linux file system on system disks hosting the platform operating system.

This release also uses ext4 file system for deduplication metadata.

This release uses a USB V2 or V3 thumb drive as the primary installation media.

The OST Asynchronous Image Replication (A.I.R.) and Optimized Duplication feature implementations have been significantly revamped and performance is now about three times faster than before.

This release supports the newly introduced OST Symantec Appliance plug-in. Sep-19502

Issues Fixed in V8.0

This release includes normal and minor issues fixed ranging from performance optimizations, OST-over-Fibre Channel connection management improvements, and runtime delta differencing deduplication database maintenance to optimize database query access.

Known Issues and Considerations

Attempting To Delete Hundreds of Backups at One Time Can Cause a Service Disruption

Deleting large numbers of backups using the console manager can impact system performance and can cause a service disruption. Sep-19632

Setting the Appropriate OST Storage Server Plug-In Name Type

As part of the HDS branding, the S-Series supports a new device name "HPP-S". This is a first step toward getting the S-Series name to be recognized by backup application vendors. While configuring new OST storage servers, existing deployments must continue to specify the previously identified device string "SEPATON". You cannot use a mix of SEPATON and HPP-S. Customers who want to use the new device name "HPP-S" must first consult with customer support for compatibility with the existing deployment. SEP-19655

Browser Certificate Considerations with the S-Series

X.509 Certificate Subject Common Name (CN) Does Not Match the Entity Name

A known S-Series security vulnerability is that its X.509 Certificate Subject Common Name (CN) does not match the Entity Name rendering a certificate-common-name-mismatch.

Self-Signed TLS/SSL Certificate Generates Browser Security Warnings

Your S-Series appliances comes by default with a self-signed Transport Layer Security and Secure Sockets Layer (TLS/SSL) protocol certificate. Self-signed certificates cannot be trusted by default, especially because TLS/SSL man-in-the-middle attacks typically use self-signed certificates to eavesdrop on TLS/SSL connections. If you want to install your own certificate, contact Customer Support for assistance.

Manually Disabling SSLv3 in the Tomcat Configuration File

SSLv3 is enabled by default. Contact Customer Support to disable this service. Sep-19595

V8.0 Compatibility Matrices

These tables list the backup applications, and the backup server and client operating systems that are supported by V8.0.

NetWorker and Data Protector are not yet qualified and a bulletin will provide the known information when available.

The maximum number of supported virtual devices is 192.

Table 1: TSM Compatibility Matrix

Backup Applications	Tivoli Storage Manager 5.3, 5.4, 5.5, 6.1, 6.1.1, 6.1.2, 6.1.3, 6.2, 6.2.1, 6.2.2, 6.3
Backup Server Host Operating Systems	Windows Server 2003 SP2 Windows Server 2008 SP1 Windows Server 2008 R2 (AMD64) Windows 2012 R2 (AMD64) Red Hat Enterprise and CentOS Linux 6, 5, 4 Solaris 9 and 10 AIX 5.3, 6.1
Client Operating Systems	Windows Server 2003 SP2 Windows Server 2008 SP1 Windows Server 2008 R2 (AMD64) Windows 2012 R2 (AMD64) Red Hat Enterprise Linux 5 and 4 and CentOS Linux 6, 5 SUSE Linux 10 Solaris 9 and 10 AIX 5.3, 6.1, 6.3

Table 2: NetBackup Compatibility Matrix

Backup Applications	NetBackup 5.5, 6.0, 6.5.1, 6.5.3, 6.5.4, 6.5.5, 7.0, 7.1, 7.5, 7.6, 7.6.1, 7.6.1.1
Backup Server Host Operating Systems	Windows Server 2003 SP2 Windows Server 2008 SP1 Windows Server 2008 R2 (AMD64) Windows 2012 R2 (AMD64) HP-UX 11 Red Hat Enterprise and CentOS Linux 6, 5, and 4 AIX 5.3, 6.1 Solaris 9 and 10

Client Operating Systems	Windows Server 2003 SP2 Windows Server 2008 SP1 Windows Server 2008 R2 (AMD64) Windows 2012 R2 (AMD64) HP-UX 11 Red Hat Enterprise Linux 5, and 4 and CentOS Linux 6, 5 AIX 5.3, 6.1 SUSE Linux 10 Solaris 9 and 10
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Supported OST Media Servers and Operating Systems

Table 3: OST Media Servers and Operating Systems

Supported OST Media Servers and OS Versions	Windows 2012 R2 (AMD64) Windows Server 2008 R2 (AMD64) RHEL5 and RHEL6, CentOS 5 and CentOS 6x (x86_64) Solaris 10 and 11 (SPARC64) AIX 6.1 and 7.1 (PPC) SUSE ES10 and ES11 (x86_64) Symantec 5xxx appliance
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Supported OST Features

Table 4: Supported OST Features

Auto Image Replication (A.I.R.)
Accelerator
Accelerator VMware*
Instant Recovery VMware
Optimized Duplication (OptDup)
Optimized Synthetic (OptSyn)

*Requires the NetBackup Data Protection Optimization Option license.

Virtual Machine Deduplication Support

Table 5: Virtual Machine Deduplication Support

VMware ESX4 NetBackup 6.5 agent on the VMware Service Console	VM DKs as a flat file Fixed and dynamic disks VM SS Configuration Logs
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Accessing Product Documentation

This section lists documents related to installation, hardware, software, configuration, monitoring, troubleshooting, best practices, and updates for the S1500 Hitachi Protection Platform. You can access the Hitachi Protection platform documentation from the HPP service console, <https://deltaview.sepaton.com> or <http://www.HDS.com>.

Related Documents

- *Hitachi Protection Platform S1500 User Manual* MK-95HPP006-00
- *Hitachi Protection Platform S1500 Software Installation Instructions* FE-95HPP005-00

Contact Information

Technical Support

If your unit does not offer a function described in this document, please open a Customer Support case by visiting the HPP support portal at <https://deltaview.sepaton.com>, or call +1.866.657.8400. Be prepared to provide your company name, serial number, contact information, and a detailed description of your issue.

Web Site

For more information about Hitachi Data Systems and HDS products, please visit:

<http://www.hds.com>

Comments

Our goal is to provide accurate, useful, and easy-to-understand documentation. If you have any comments about this manual or have noticed any errors, we would appreciate your feedback. You may provide your comments by opening a Customer Support case by visiting the HPP support portal located at <https://deltaview.sepaton.com>. You may also contact us directly at:

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