

Hitachi Content Platform Gateway Release Notes

Release Version 4.1.3

Linux Only

This document contains the release notes for the Linux version of Hitachi Content Platform Gateway. It describes the new features, supported environments, known issues, issues resolved and other useful information about this version of the product.

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Chapter 1 Release Highlights

A. Overview

The HCP Gateway provides legacy applications with the ability to lower storage costs and achieve higher levels of curability by storing content on the Hitachi Content Platform (HCP). The primary use cases for the HCP Gateway are:

- NAS Gateway to HCP - enable legacy applications to utilize HCP storage via S3 cloud storage protocol.
- Compliance – help meet compliance requirements including retention on files, apply legal hold, and audit user and administrative access to files.
- Edge to Core – enable bottomless storage at remote offices and make copy to a central HCP to remove backup requirements at the remote office.

B. New Features

What's new in 4.1.3

1. Privileged Delete – Administrator with Privileged Delete authority can delete files that are under retention.
2. Delete File Copy Off Local Storage – Administrator with Privileged Delete authority can delete files off Local storage that have a copy saved to the HCP.
3. New feature Copy Files to Cache that will copy files from HCP Storage to Gateway Cache – Administrator can select files and folders of files to restore from HCP storage to the HCP Gateway cache.
4. Additional new licensing model that does not require the IP and MAC addresses for license key generation, uses digital fingerprint.
5. Support for Database Connections using TLS1.2.
6. Ability to configure Share Permissions via the Gateway UI.
7. Support for configuring S3 timeout in UI Storage page.
8. Support for HCP 9.1.
9. Support for configuring S3 timeout in UI Storage page.
10. Improvements to handling multi-part upload to HCP.

Chapter 2 Supported Environments

A. System Configurations

The HCP Gateway can be delivered in two configurations:

1. Virtual Machine – the HCP Gateway can run in a virtual machine. Supported VM hosts include:
 - a. VMWare ESXi 6.5 or higher
 - b. Microsoft Hyper-V 2016 and 2019
2. Physical hardware – HCP Gateway can be installed on a physical server by Hitachi Vantara PS Services.

B. Supported Operating Systems

1. Debian 10

C. User Authentication

HCP Gateway can use LDAP and Active Directory for user and administrator authentication. The following Active Directory domain controllers are supported:

1. Windows Server 2012 R2
2. Windows Server 2016
3. Windows Server 2019

D. Supported HCP Platforms

1. HCP 8.x
2. HCP 9.1 or later

E. Supported Browsers

The HCP Gateway UI supports the following browsers:

1. Google Chrome – 80+
2. Apple Safari – 12+
3. Mozilla Firefox – 72+
4. Microsoft IE – 11+

F. Third-Party Copyrights and Licenses (including Open Source)

The Linux version of HCP Gateway incorporates third-party software and utilizes various operating systems.

Component List	Version	Name of Developer	Website	License
Wildfly	18.0.1	Red Hat/JBOSS	https://wildfly.org/	LGPL v2.1
MariaDB	10.4	MariaDB Corporation AB	https://mariadb.org/	LGPL v2.1
DBeaver	7.1.4	DBeaver Corp	https://dbeaver.io	Apache v2.0
Adopt OpenJDK	8 LTS Hotspot	Adopt OpenJDK	https://adoptopenjdk.net/	GPL v2.0 with Classpath Exception
Vaadin	7.7.9, 10.0 - 14.0	Vaadin Ltd.	https://vaadin.com	Apache v2.0
Boost C++ Libraries	1.67	Beman Dawes	https://www.boost.org	Boost Software License, v1.0
AWS SDK C++	1.7.74	Amazon	https://github.com/aws/aws-sdk-cpp	Apache v2.0
Crypto C++	8.2	Wei Dai	https://www.cryptopp.com	Boost Software License 1.0
OpenSSH	7.9	OpenBSD Project	https://www.openssh.com/portable.html	OpenBSD
FireFox	62.0.2	Mozilla Foundation	https://www.mozilla.org/en-US/firefox/new/	Mozilla Public License v2
7Zip	19	Igor Pavlov	https://www.7-zip.org/	LGPL v2.1
Debian OS	10	Debian Community	https://www.debian.org/	Several including GPL, LGPL, modified BSD, or Artistic

Chapter 3 Fixes & Issues

A. Issues Resolved

This version of the HCP Gateway fixes the following bugs:

Issue	Description
482	Events and Reports download button fixed
483	Search function in File Explorer page now displays file versions
484	S3 access key and secret key are now editable
485	Increase timeout length for S3 request
486	Do not save Debug log when log level setting is warning
487	Add delete file record option to Delete on Storage
488	Prevent creating a Share if any storage system in the Storage Group is not available
489	Removed create bucket step for Add Storage to reduce configuration errors
490	Fixed UI issue for UNC Path Test
491	Removed create Bucket step for Add Storage to reduce configuration errors
493	Require backups to be written to operation\$ Share to simplify Restore operations
494	Added configuration parameter point.protect to allow cache to be renamed during Restore operation
495	Fix possible corruption of some files after backup restore
497	If UNC Path is invalid, prohibit adding UNC storage.
498	Increase timeout length for S3 request

B. Known Issues / Limitations

1. SFTP Target is limited to one share.
2. Backups are always full backups.
3. Hard links are **not** supported.
4. Legal Hold and Retention Scheduler – There is a scheduler in place that handles legal hold and retention. The scheduler runs every 10 minutes, so it can take up to 20 minutes before a legal hold is placed or removed from a file or retention is set on a file on the HCP. This also impacts the **Grace Period** being used to set Retention on an object.
5. When performing a file restore a new cache will need to be created. If space is a concern the old cache can be manually deleted.
6. On Share Restore operation files are put into Read-Only status. When client requests a file immediately after a Restore the file is served to the client, but it may take up to 3 minutes before the Read-Only status is updated to Read/Write.

7. LDAP SSL and Email SSL cannot be used together.
8. The LDAP could not connect before save domain and host setting into database.
9. Quotas on HCP Gateway are **not** supported. Quotas cannot be enforced on HCP Gateway due to offline files with size on disk being OKb.
10. All HCP Gateway backups are kept, they are not purged when the Days of Backups to Keep is reached.

C. Security and CVEs Fixes

None

D. Upgrade Notes

The detailed instructions for doing an upgrade are available in the HCP Gateway Administration Guide.

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