

Hitachi Content Platform Anywhere Enterprise

v7.6.3111.29

Edge Filer Release Notes

This document describes features, licensing information, and known issues for the v7.6.3111.29 release of HCP Anywhere Enterprise Edge Filer.

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Preface

About this document

This book describes the latest release of the HCP Anywhere Enterprise Edge Filer.

Document conventions

This document uses the following typographic convention:

Convention	Description
Bold	<ul style="list-style-type: none">Indicates text in a window, including window titles, menus, menu options, buttons, fields, and labels. Example: Click OK.Indicates emphasized words in list items.
<i>Italic</i>	Indicates a document title or emphasized words in text.
Monospace	Indicates text that is displayed on screen or entered by the user. Example: <code>pairdisplay -g oradb</code>

Intended audience

This document is intended for HCP Anywhere Enterprise administrators.

Accessing product downloads

Product software, drivers, and firmware downloads are available on Hitachi Vantara Support Connect: <https://support.hitachivantara.com/>.

Log in and select Product Downloads to access the most current downloads, including updates that may have been made after the release of the product.

Getting Help

Hitachi Vantara Support Connect is the destination for technical support of products and solutions sold by Hitachi Vantara. To contact technical support, log on to Hitachi Vantara Support Connect for contact information: https://support.hitachivantara.com/en_us/contact-us.html.

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Chapter 5. Hitachi Content Platform Anywhere Enterprise Edge Filer

Hitachi Content Platform Anywhere Enterprise Edge Filers (HCP Anywhere Enterprise Edge Filers) seamlessly combine collaboration capabilities, local storage, cloud storage, and data protection functionality in a single, cost-effective package.

Licensing HCP Anywhere Enterprise Edge Filers

When connecting a HCP Anywhere Enterprise Edge Filer to a HCP Anywhere Enterprise Portal, the available licenses are provided as part of the connection procedure. The following licenses are available: EV16, EV32, EV64, EV128, EV256:

	Basic License		Advanced License		
	EV16	EV32	EV64	EV128	EV256
Maximum RAM	8GB	16GB	32GB	64GB	128GB
Maximum Storage	16TB	32TB	64TB	128TB	256TB
Maximum vCPUs^a	4	8	16	32	64
Maximum recommended users	500	1000	3000	5000	5000

- a. The normal HCP Anywhere Enterprise Edge Filer usage is memory and network intensive and not CPU intensive. The number of vCPUs allocated for the HCP Anywhere Enterprise Edge Filer should take this in to account.

Security Considerations

Hitachi Vantara is constantly looking at ways to improve security. Hitachi Vantara recommends using the latest software for optimum security.

Installing or Upgrading HCP Anywhere Enterprise Edge Filers

For installation details, refer to the installation guide for your platform.

Upgrading a HCP Anywhere Enterprise Edge Filer

Upgrading the software of the HCP Anywhere Enterprise Edge Filer running an earlier version is performed automatically when the HCP Anywhere Enterprise Edge Filer is connected to a Hitachi Content Platform Anywhere Enterprise Portal and the latest HCP Anywhere Enterprise Edge Filer firmware TGZ file is uploaded to the HCP Anywhere Enterprise Portal.

What's New: Main New Features

HCP Anywhere Enterprise Edge Filer version 7.6.x includes the following new features:

- [Ransomware Protection](#)
- [Automatic Backup of the HCP Anywhere Enterprise Edge Filer Configuration](#)
- [New Home Dashboard](#)
- [Cache Hits and Hit Rate Graphs](#)
- [New Log Viewer](#)
- [Improved Handling of Previous Versions](#)
- [Improved Eviction Policy for Deduped Files](#)
- [Next Generation File System](#)
- [Support for WORM Compliant Cloud Folders: HCP Anywhere Enterprise Vault](#)
- [Improved Security with Upgraded SAMBA version](#)
- [Improved Integration with macOS Spotlight](#)

Ransomware Protection

Ransomware attacks have become an increasingly imposing threat to organizations. In most ransomware attacks, encryption restricts access to critical files, systems, and applications. This encryption process happens silently in the background.

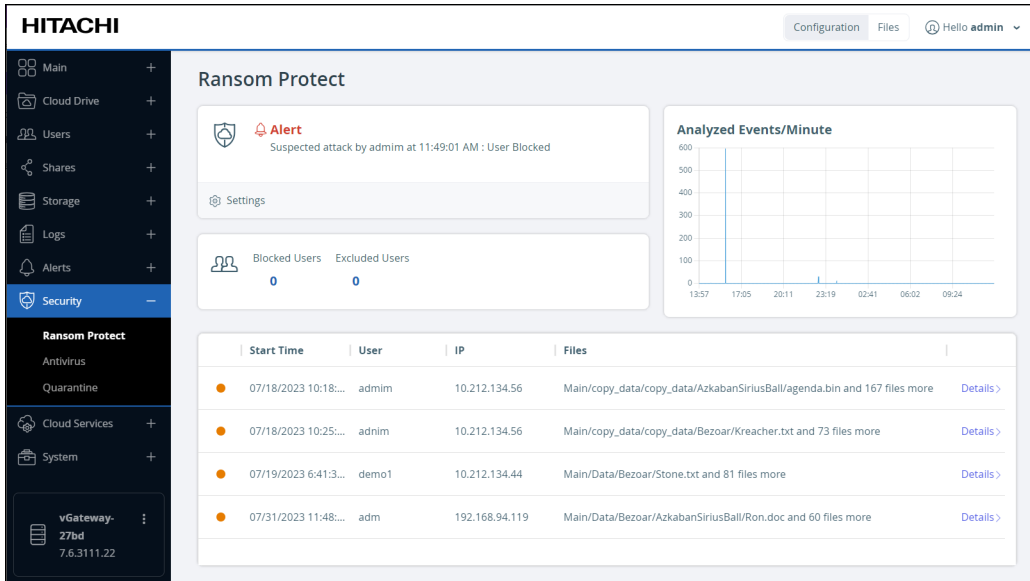
Taking proactive measures against ransomware attacks helps safeguard your data and ensures the continuity of your operations. Each user's behavior is monitored and fed in to a machine learning algorithm trained on an extensive dataset of attack flows. Via this monitoring, HCP Anywhere Enterprise Ransom Protect is able to detect and block ransomware attacks within seconds.

Note: HCP Anywhere Enterprise Ransom Protect monitors Windows File Sharing (SMB) traffic. It does not monitor user behavior on other file sharing protocols such as NFS or FTP.

Key Features of HCP Anywhere Enterprise Ransom Protect include:

- **Real-time detection:** Advanced machine learning algorithms identify behavioral anomalies suggesting fraudulent file activity, and block offending users within seconds.
- **Zero-day protection:** HCP Anywhere Enterprise Ransom Protect does not rely on traditional signature update services, eliminating the need for constant on-site updates.
- **Incident management:** An administrator dashboard provides real-time attack monitoring, comprehensive incident evidence logging and post-attack forensics.
- **Instant recovery:** Near-instant recovery of any affected files from snapshots.

In addition, HCP Anywhere Enterprise Ransom Protect requires minimal configuration, requiring a single click to activate ransomware protection on the HCP Anywhere Enterprise Edge Filer.



HCP Anywhere Enterprise Ransom Protect writes log entries to `/flash/big.ln/logs/ransomprotect/logs`. The logs are included in the support report

Automatic Backup of the HCP Anywhere Enterprise Edge Filer Configuration

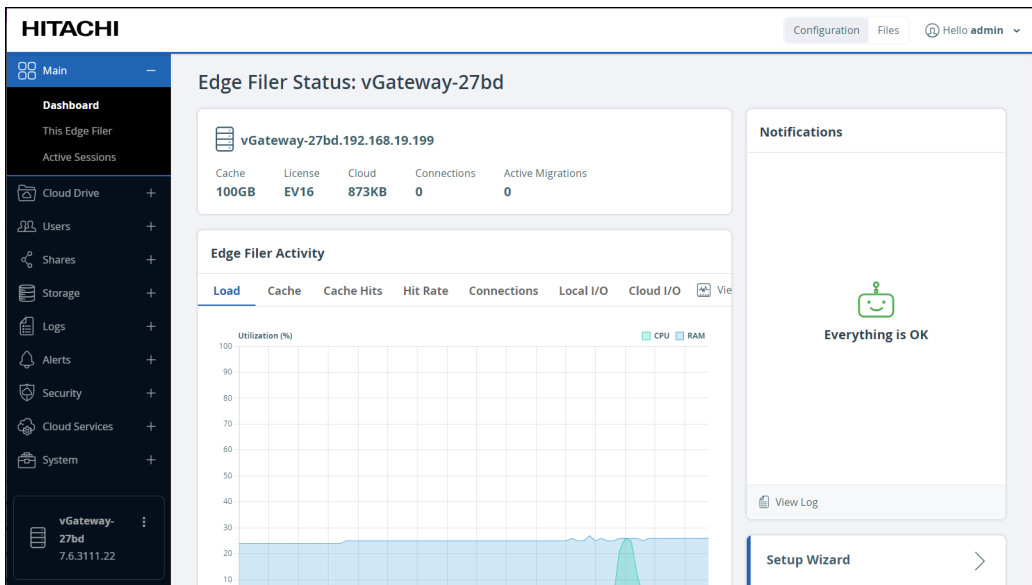
The HCP Anywhere Enterprise Edge Filer configuration (db.xml) should be backed up to the HCP Anywhere Enterprise Portal so that the HCP Anywhere Enterprise Edge Filer is protected in the event of a failure or disaster, by restoring the configuration.

The configuration is automatically backed up by default.

Note: The automatic backup of the configuration requires a connection to a HCP Anywhere Enterprise Portal 7.5.x or higher.

New Home Dashboard

The **Main > Welcome** page has been replaced with a new dashboard to provide an overview of the HCP Anywhere Enterprise Edge Filer and the activity over time.



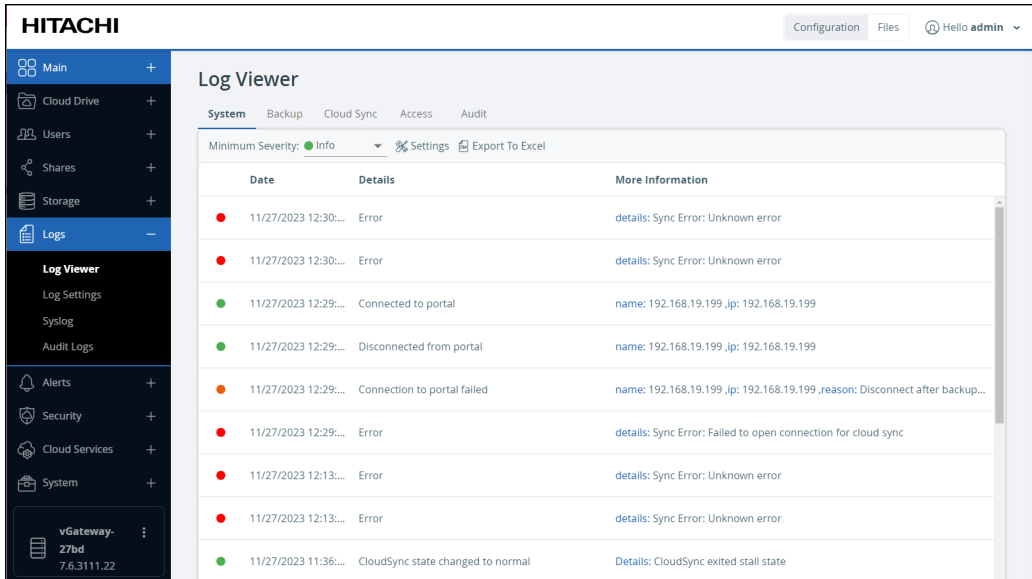
Cache Hits and Hit Rate Graphs

The **Cache Hits** and **Hit Rate** graphs help monitor the HCP Anywhere Enterprise Edge Filer. Both graphs are available in the new home dashboard.

The **Cache Hits** has also been added to the **Cache** section in the **Cloud Drive** page.

New Log Viewer

The Log Viewer page has been redesigned to make it easier to view the different logs.



Improved Handling of Previous Versions

New HCP Anywhere Enterprise Edge Filers include an option to improve performance when connected to a HCP Anywhere Enterprise Portal from version 7.5.1159.x.

To enable this feature and understand additional implications and limitations when enabled, contact Hitachi Vantara Support.

Improved Eviction Policy for Deduped Files

When evicting files after deduplication has been enabled, deduped files are also included in the retention policy.

Next Generation File System

Hitachi Vantara has introduced the next generation file system to support billions of files on a single HCP Anywhere Enterprise Edge Filer with improved performance. For example, move operations are significantly faster.

The next generation file system requires a HCP Anywhere Enterprise Portal from version 7.5.1159.x.

Note: The next generation file system is only available for new HCP Anywhere Enterprise Edge Filer deployments and not existing deployments that are upgraded.

To enable this feature and understand additional implications and limitations when enabled, contact Hitachi Vantara Support.

Support for WORM Compliant Cloud Folders: HCP Anywhere Enterprise Vault

WORM (write once, read many) compliance ensures that data cannot be tampered with or deleted. HCP Anywhere Enterprise Vault uses WORM technology to prevent editing, overwriting, renaming or erasing this data.

HCP Anywhere Enterprise Vault, WORM (write once, read many) compliance to ensure that data cannot be tampered with or deleted, is supported when connected to a HCP Anywhere Enterprise Portal version 8.0.x.

When a cloud drive folder is defined with folder compliance on the HCP Anywhere Enterprise Portal, after an initial, optional, grace period, the contents of the folder can be protected from any attempt to change the folder content such as by renaming, moving, modifying, or deleting content for a specified retention period, either on the HCP Anywhere Enterprise Portal or HCP Anywhere Enterprise Edge Filer.

When migrating files defined with WORM compliance from Hitachi filers, using the **Hitachi Data Ingestor** or **HCP Gateway** source, in HCP Anywhere Enterprise Migrate, the file retention period is also migrated.

A new checkbox is available in HCP Anywhere Enterprise Migrate when migrating a file system to a HCP Anywhere Enterprise Edge Filer to specify that the migration includes WORK compliant shares.

Improved Security with Upgraded SAMBA version

The SAMBA version used has been upgraded to version 4.17.12. This version includes a number of security fixes.

Improved Integration with macOS Spotlight

The integration with macOS Spotlight has been improved.

Additional New Features

ID Number	Description
APP-19827	The time to access previous versions has been improved.
APP-21213, APP-23672	The task to verify that all files are synced has been improved: If an exception is thrown for any reason, the task restarts instead of the device needing to restart.
APP-21768, APP-23763	The time taken to check files with a sync error to inform the user that there is a problem with these files, has been improved.
APP-22698	When enabling fast disaster recovery, the metadata from the HCP Anywhere Enterprise Portal can be downloaded quickly so that the stub files are almost immediately available on the replacement HCP Anywhere Enterprise Edge Filer. A CLI is available to also request folder content even if the folder is not stub. For details, contact Hitachi Vantara Support.
APP-22992	x-data-grid-pro has been updated to version 6.3.1
APP-23107, APP-23722	The time to upload files has been improved.
APP-23171, APP-23359, APP-23538, APP-23646, APP-23728, APP-23828, APP-23744, APP-23758, APP-23759, APP-23848, APP-23849, APP-23857	Local deduplication has been improved to be more robust.
APP-23454	Streaming files has been improved.
APP-23466	Tooltips have been added to the re-indexing information in the Local Deduplication page.
APP-23509	A new status is available via a CLI if there is a problem with NAS. For details of the CLI, contact Hitachi Vantara Support.
APP-23537, APP-23966	The log produced after enabling deduplication has been improved.
APP-23591, APP-23616	HCP Anywhere Enterprise Migrate now supports migrating from <i>HCP Gateway</i> and <i>Nasuni Edge Appliances</i> .
APP-23613, APP-23671	When Instant Disaster Recovery is enabled in the Advanced option in the Cloud Drive Settings window, it only is used on empty cloud folders.

Resolved Issues

ID Number	Description
APP-20610, APP-23507	When creating a new share users could attempt to create the share under the /cloud folder, and then a message was displayed that this was not allowed. Users can now create the share folder under <i>My Files</i> .
APP-23116	You could not sign out of a HCP Anywhere Enterprise Portal and connect to another HCP Anywhere Enterprise Portal when syncing was disabled.
APP-23264, APP-23773	Copying lots of small files to a HCP Anywhere Enterprise Edge Filer took too long.

ID Number	Description
APP-23290, APP-23855	The DNS name could not be used for a proxy server when accessing data using Direct Mode.
APP-23319, APP-23334	A nested share on a user subfolder with a name that is a substring of the path could not be created. Also a nested share with a name longer than 80 characters caused all shares to not be displayed in Windows File Explorer.
APP-23422	If a file was being synced to the HCP Anywhere Enterprise Portal and the sync was suspended and while the sync was suspended the file was deleted from the HCP Anywhere Enterprise Portal while being edited locally, when syncing resumed, the updated file was not synced to the HCP Anywhere Enterprise Portal.
APP-23443	If the internal identifier for a file changed by mistake, it was deleted from the HCP Anywhere Enterprise Portal.
APP-23483, APP-23503, APP-24020	Deleting and renaming files on a HCP Anywhere Enterprise Edge Filer sometimes failed.
APP-23503	While syncing was suspended, after renaming a file in the HCP Anywhere Enterprise Portal and then creating a new file using the name of the file before it was renamed, and deleting the original file in the HCP Anywhere Enterprise Edge Filer, the renamed file failed to be downloaded to the HCP Anywhere Enterprise Edge Filer.
APP-23511	Timeouts have been changed to more realistic values.
APP-23512	The local quota feature sometimes did not work because of internal communication problems on the HCP Anywhere Enterprise Portal.
APP-23530	During an upgrade, the wrong sync status was displayed.
APP-23636, APP-23675	Starting a HCP Anywhere Enterprise Edge Filer while the HCP Anywhere Enterprise Portal was down, caused an error to be issued.
APP-23644, APP-23651	If a folder has a matching apple resource file ("._dir"), it cannot be removed and created an error when doing a second robocopy into the HCP Anywhere Enterprise Edge Filer. This could happen only for client data which was very old.
APP-23690, APP-23834	File system events were sometimes ignored in snapshots after a new cloud folders was synced.
APP-23723	In some scenarios, the scan of cloud folders skipped a cloud folder if there was an error during the previous scan that occurred when scanning that cloud folder.
APP-23734, APP-23989	Renaming a folder on the HCP Anywhere Enterprise Edge Filer to a name of a folder that exists on the HCP Anywhere Enterprise Portal created a conflict.
APP-23813, APP-23844	Retrieving the list of files in a situation of high latency or very many files could cause the HCP Anywhere Enterprise Edge Filer to stop working.
APP-23868, APP-23881	If the evictor is running and syncing was suspended, the evictor status still reported that it was running.
APP-23870, APP-23879	An internal sync error was sometimes issued.

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