



HYCU R-Cloud Hybrid Cloud Edition v5.0.0

Release Notes

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What is new in this version of HYCU

This release of HYCU introduces a variety of new backup and recovery features, key enhancements, and fixes that will help you keep your data protected and safe in a simple and efficient way.

Data Domain as a new target type

Target support in HYCU has been extended to allow you to set up a Dell PowerProtect Data Domain target for storing protected data.

Excluding databases from backup

Before you back up your SQL Server applications, you can choose to exclude particular databases from the backup, which ensures greater flexibility and can reduce the overall time it takes to freeze and thaw the SQL Server databases during snapshot creation. You can exclude databases on standalone SQL Server instances, SQL Server Always On Availability Group instances, and SQL Server failover cluster instances.

Enhanced Exchange Server DAG protection

To even further optimize Exchange Server DAG protection for servers, when searching for the database copies with the highest activation preference number as part of backing up volumes, HYCU now takes into account only the DAG members with the assigned policies. This is especially useful in data protection environments dispersed across multiple geographic locations.

Extended integration of identity providers

The integration of HYCU with identity providers has been extended to include the following:

- To simplify user management, you can now configure identity provider groups instead of configuring users individually.
- HYCU can now be integrated with the Keycloak identity provider.
- With Okta, you can now use non-default custom authorization servers.

Optimized file share protection

File share protection has been optimized as follows:

- Enhanced management of HYCU instances:
 - You can now create and remove HYCU instances from a vSphere environment by using the HYCU web user interface.
 - The HYCU instances residing in the vSphere environment are now upgraded automatically after the HYCU backup controller upgrade.
- Redefined configuration settings for file share backup statuses to allow you to set the maximum number and percentage of failed file backups up to which the backup status of the corresponding file share is marked as Completed with errors.
- Improved handling of skipped files for better overall performance of data protection operations.
- Enhanced job reports to include only the first 100 files with errors.

Supported protection of S3 compatible object storage

HYCU now enables you to protect the data stored in S3 compatible storage buckets. To protect object storage, add it to HYCU as an S3 compatible file server. The following object storage types are supported: Nutanix Objects Storage, Amazon S3, Cloudian Object Storage, Wasabi, Scality, MinIO, and Dell ECS.

Other enhancements and fixes

The following is a list of other enhancements and fixes that come with this release of HYCU:

- As part of customizing the HYCU web user interface to best suit your needs, you can now choose between the light mode and the new dark mode.
- HYCU now supports backing up data to Google Cloud targets that have Object Retention Lock enabled.
- When adding a new file server as a source to HYCU or when editing an existing one, you can now define a custom display name. The display name makes your file server easier to identify in the Shares panel and in the Sources dialog box.
- Support for Nutanix Files 5.0.

Installation notes

For Nutanix AHV clusters, the HYCU virtual appliance is distributed as a virtual disk image, and you can easily deploy it by using the Nutanix Prism web console.

For Nutanix ESXi clusters and VMware vSphere environments, the HYCU virtual appliance is distributed as a virtual appliance package (virtual disk image and OVF template), and you can easily deploy it by using the vSphere (Web) Client.

For AWS GovCloud (US) environments, the HYCU virtual appliance is distributed as a virtual appliance image, and you can easily deploy it by using the AWS GovCloud (US) console.

For Azure Government environments, the HYCU virtual appliance is distributed as a virtual appliance image, and you can easily deploy it by using the Azure Government portal.

For protecting file shares created by NetApp Cloud Volumes Service for Google Cloud, the HYCU virtual appliance is distributed as a HYCU virtual appliance image that you can easily deploy to Google Cloud by using the Google Cloud console.

For detailed information about deploying the HYCU virtual appliance, see *HYCU Help*.

Upgrade notes

Upgrading HYCU to version 5.0.0 is possible only from version 4.9.0. If you have an earlier version of HYCU, you first need to upgrade it to 4.9.0.

For detailed information about upgrading HYCU, see *HYCU Help*.

Supported environments

For information about supported environments and compatibility with other products, see the *HYCU Compatibility Matrix*. This document is available as part of the HYCU documentation set that is distributed together with the product.

The most recent version of the *HYCU Compatibility Matrix* is located at <https://support.hycu.com>.

Limitations

Some limitations apply when FIPS mode is enabled. For details, see *HYCU Help*.

HYCU documentation set

The HYCU documentation set includes the following documents:

Document	Document file name	Distributed with the product ^a	Published online on the HYCU Support portal
<i>HYCU Help</i>	index.html	✓	✗
<i>HYCU User Guide</i>	HYCU_UserGuide.pdf	✓	✓
<i>HYCU Compatibility Matrix</i>	HYCU_CompatibilityMatrix.pdf	✓	✓

<i>HYCU Release Notes</i>	HYCU_ReleaseNotes.pdf	✓	✓
<i>HYCU Troubleshooting Guide</i>	HYCU_TroubleshootingGuide.pdf	✓	✓
<i>HYCU Open Source Licenses</i>	HYCU_OpenSource.pdf	✓	✗

^a The HYCU documentation is located in the /help folder on the HYCU backup controller and can be accessed from the web browser: <https://<ServerName>:8443/help/en/<DocFileName>>.

Translated documentation

The following HYCU documents are translated:

Document	Translated into Japanese
<i>HYCU Help</i>	✓
<i>HYCU User Guide</i>	✓
<i>HYCU Compatibility Matrix</i>	✓
<i>HYCU Release Notes</i>	✓
<i>HYCU Troubleshooting Guide</i>	✓
<i>HYCU Open Source Licenses</i>	✗

^a The translated HYCU documentation is located in the /help folder on the HYCU backup controller and can be accessed from the web browser:

<https://<ServerName>:8443/help/ja/<DocFileName>>.

Provide feedback

For any suggestions and comments regarding this product or its documentation, send us an e-mail to:

info@hycu.com

We will be glad to hear from you!

