HYCU R-Cloud Hybrid Cloud Edition v5.2.0

Release Notes

September 2025

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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.

Enhanced backup data security with integrated anomaly detection

HYCU now allows you to monitor backup data for suspicious changes in its size. The detected anomalies are reported by using the R-Shield status for every protected entity. In combination with the HYCU R-Shield Scanner, HYCU can additionally issue the malware threat warnings.

Data protection for Hyper-V

HYCU now allows you to protect mission-critical data on Hyper-V clusters, including virtual machines, applications, and file share data. After the HYCU virtual appliance is deployed on a Hyper-V cluster, data protection can be activated instantly. This ensures that your business data remains secure and easily recoverable.

Possibility to use the HotAdd transport for vSphere virtual machine protection

When protecting vSphere virtual machines, HYCU can now use the advanced VMware HotAdd transport method. Using the HotAdd transport significantly speeds up the data protection operations and reduces the load on the network.

PostgreSQL data protection

HYCU application awareness has been extended to look inside your Linux virtual machines and servers to detect also PostgreSQL database clusters. After the database cluster is discovered, the backup and restore flow ensures that the entire database cluster data is protected and can be restored to a consistent state, including support for the point-in-time restore. HYCU supports also the restore of the standby database cluster data to its primary database cluster.

Simplified HYCU upgrade procedure

The HYCU upgrade procedure is now simplified for easier introduction of the latest version. You no longer need to sign in to the management console of your data protection environment to upload and manage the HYCU images. Instead, after you start the upgrade, HYCU automatically retrieves the upgrade image from the public HYCU repository and switches to the latest version after rebooting.

Ability to integrate HYCU with identity providers that use LDAP

HYCU can now be integrated with identity providers that use LDAP. This enables users to securely sign in to HYCU by using such an identity provider, without the need to maintain dedicated credentials for HYCU.

Improved object server handling

To improve the visibility and simplify the management of your object storage resources, an object server can now be added as a separate source in HYCU. After you add an object server as a source, all the buckets that are hosted on the object server are listed in the Buckets panel.

Enhanced HYCU reporting

HYCU reporting has been enhanced to allow you to do the following:

- Obtain reports about the virtual machine backup validations that occurred in your data protection environment. You can take advantage of a new predefined report that lists all virtual machine backup validations that occurred in the last 24 hours and includes information such as the status of the backup validation and the reason for the validation failure.
- Create reports that list only backups of virtual machines that are associated with specific categories in Nutanix Prism Central.

Publishing data protection information to HYCU R-Cloud

You can now configure HYCU to allow HYCU R-Cloud to collect and present data from your on-premises data protection environment. Data protection information is presented in the HYCU R-Cloud dashboard pane, providing you with an at-a-glance overview of your data protection environment.

Extended S3 compatible target support

The following S3 compatible cloud storage solutions have been certified by HYCU: Huawei OceanStor Pacific, OVHcloud Object Storage, Impossible Cloud, and StoneFly. Backing up data to these types of S3 compatible targets is now supported, including also the targets that have WORM enabled.

Optimized SpinUp functionality

The SpinUp functionality has been optimized as follows:

- You can now choose to apply the configuration changes that are required for the migration to cloud as part of the migration procedure, resulting in no need to manually configure your virtual machine running in the on-

premises environment to pass the platform readiness check.

- The DR-ready status of a virtual machine is now achieved already when all backups in the backup chain are stored on one of the cloud targets, making it no longer necessary to have a successful platform readiness check during the virtual machine backup.
- You can now migrate Azure data protected with HYCU R-Cloud to the on-premises environment.

Other enhancements and fixes

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

- If you use an Azure target for storing file share data, HYCU now automatically moves data archives that have the retention period set to at least 180 days from the Azure cool or hot access tier to the archive access tier. This ensures that your data is stored most cost-efficiently because the archive access tier is optimized for storing data that is not accessed frequently and is stored for at least 180 days.
- If backup data that is stored on a Data Domain target is not encrypted, HYCU now by default uses Data Domain Managed File Replication (MFR) for copying the data from one Data Domain target to another. This results in better performance within the data protection environment, taking the load off the HYCU backup controller. Job reports have also been enhanced to provide the information whether MFR was used to copy the backup data.
- If the snapshot of a previous data archive exists when archiving data to a cloud target, HYCU now by default performs incremental archiving of data.
- Protecting Azure virtual machines that have Trusted Launch enabled is now supported.
- When setting up webhook notifications, you can now use custom authentication headers, which allows you to set your own parameters for authentication purposes and security.
- Support for the following:
  - Nutanix AOS 7.0
  - Nutanix Files 5.1
  - Nutanix Objects 5.1

- Nutanix Database Service 2.7
- Windows Server 2025

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 Azure Local environments, the HYCU virtual appliance is distributed as a virtual machine image, and you can easily deploy it by using Windows Admin Center.

For Hyper-V environments, the HYCU virtual appliance is distributed as a virtual machine image, and you can easily deploy it by using Failover Cluster Manager or Windows Admin Center.

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

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

Upgrade notes

Upgrading HYCU to version 5.2.0 is possible only from version 5.1.1. If you have an earlier version of HYCU, you first need to upgrade it to 5.1.1.

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
HYCU Help	index.html	✓	✗
HYCU User Guide	HYCU_UserGuide.pdf	✓	✓
HYCU Compatibility Matrix	HYCU_CompatibilityMatrix.pdf	✓	✓
HYCU Release Notes	HYCU_ReleaseNotes.pdf	✓	✓
HYCU Troubleshooting Guide	HYCU_TroubleshootingGuide.pdf	✓	✓
HYCU Open Source Licenses	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
HYCU Help	✓
HYCU User Guide	✓
HYCU Compatibility Matrix	✓
HYCU Release Notes	✓
HYCU Troubleshooting Guide	✓
HYCU Open Source Licenses	✗

[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!

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