HYCU R–Cloud Hybrid Cloud Edition v5.1.0
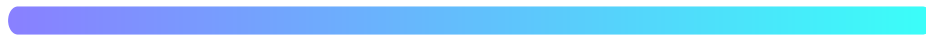
Release Notes

February 2025

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HYCU
www.hycu.com

Contents

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 protection for Azure Stack HCI

HYCU has introduced support for Azure Stack HCI, which allows you to protect mission-critical workloads running in an Azure Stack HCI environment, including virtual machines, applications, and file share data. Data protection can be enabled in only a few minutes after you deploy the HYCU virtual appliance, and you can be confident that your business data is protected and can be easily recovered.

Protection of mission-critical workloads in Azure

You can now use HYCU to protect mission-critical workloads running on virtual machines and applications in Azure. Data protection can be enabled by adding an Azure subscription as a source, ensuring that your data is backed up in a consistent state and can be restored at any time.

Faster incremental backups of NetApp ONTAP file shares

HYCU can now utilize the NetApp SnapDiff feature to identify which files were modified between file share snapshots, which results in faster incremental backups of NetApp ONTAP file shares. The NetApp SnapDiff feature is especially useful in data protection environments with a large number of file shares that are not modified significantly between file share snapshots.

Supported Kerberos authentication

HYCU now supports Kerberos authentication for Windows virtual machines and for SMB targets that are included in an Active Directory domain. If FIPS mode is enabled in HYCU, Kerberos authentication now allows storing data to SMB targets, enables Windows application discovery and protection, and allows the restore of individual files. While Kerberos is the default authentication method, the legacy NTLM authentication can be used if required by your data protection environment.

Support for Nutanix Database Service

HYCU has introduced support for Nutanix Databse Service (NDB), which allows you to protect NDB-managed database server virtual machines and NDB-managed databases.

Other enhancements and fixes

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

- When restoring virtual machine and volume group data stored on a QStar tape target, you can view tape target information such as the barcode label and the location of the media, allowing you to easily identify which media will be used for the restore. The same information is also available when validating the virtual machine backup and recreating snapshots.
- When restoring data from one SMB file share to another SMB file share, symbolic links are now also restored.
- To avoid potential issues when restoring SQL Server databases to a point in time, HYCU now warns you if you try to back up an SQL Server application for which the following applies:
  - The path for temporary transaction log backup and metadata files was not configured.

- The disks of the virtual machine on which the SQL Server application is running were excluded from or included in the backup.
- Support for the following:
  - Nutanix AOS 6.8 and 6.10
  - Dell PowerScale OneFS 9.8.0.0
  - NetApp ONTAP 9.14.1
  - Nutanix Objects 4.4 and 5.0
  - DataCore Swarm as an S3 compatible target

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 Stack HCI environments, the HYCU virtual appliance is distributed as a virtual machine image, and you can easily deploy it by using 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 5.1.0 is possible only from version 5.0.0. If you have an earlier version of HYCU, you first need to upgrade it to 5.0.0.

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
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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