

RELEASE NOTES

HYCU Data Protection for Nutanix

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HYCU

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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.

Management of HYCU backup controllers

HYCU enables you to view and manage many HYCU backup controllers across many data protection environments from a single HYCU Manager console that has been designed to provide you with the visibility you need to proactively monitor all your environments.

Physical machine protection

HYCU has extended its scope of data protection to include physical machines. Same as with virtual machines, data protection of physical machines can be enabled in a few minutes after deploying HYCU.

HYCU backup controller protection

Protection of the HYCU backup controller has been changed to more resemble protection of other virtual machines.

For backing up the HYCU backup controller, you can use any target type supported for HYCU backups, including cloud targets. Restore of the HYCU backup controller has also been automated and is based on setting up a temporary HYCU backup controller.

HYCU instance handling

Managing HYCU instances has been enhanced as follows:

- Automated HYCU instance deployment
A HYCU instance can be deployed in the same way as the HYCU backup controller or created in the HYCU user interface.
- Improved HYCU instance management
The HYCU web user interface enables creating and removing of HYCU instances.
- Automated upgrade
In addition to the HYCU instances residing on Nutanix AHV cluster, also the HYCU instances residing on the Nutanix ESXi cluster are upgraded automatically.

File share protection

The following improvements have been made for the file share protection:

- Support for NFS file shares

You can now use HYCU for protecting NFS file shares on Nutanix Files servers (in addition to protecting SMB shares).

- Increased throughput speed

A new method is introduced that seamlessly consolidates protected file share data, therefore greatly reducing the number of files stored on non-cloud targets and increasing throughput speed.

- File share protection granularity

When backing up file shares, you can now choose to exclude particular file share folders from the backup.

Reporting

HYCU reports have been enhanced to allow you to do the following:

- Share user-created reports among different HYCU data protection environments by exporting the reports to a JSON file and then importing the reports from a JSON file.
- Download the reports in the PDF, PNG, or CSV format.
- Schedule the automatic delivery of the reports to email recipients.
- Specify additional time ranges for the reports: the previous day, the previous week, or the previous month.

Other enhancements and fixes

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

- When deploying HYCU, depending on what your data protection goal is, you can select among the following deployment modes: HYCU Backup Controller, HYCU Instance, and HYCU Manager.
- AWS S3 buckets can now be accessed using path-style and virtual-hosted-style URLs.
- You can now see the estimated time of the next backup in the Details section of the Virtual Machines, Applications, and Shares panels.
- HYCU can compress data before it is stored on targets. Compression is available for backup data, copies of backup data, and data archives.
- Individual files and applications restore performance is significantly optimized to provide a faster restore operation.

- A backup window provides more options for specifying time frames for starting the backup. You can now select the time zone for your backup window and specify a backup type.
- After backing up virtual machines, you can view all volume groups attached to them in the Volume Groups panel.
- The Restore vDisks option has been enhanced to allow you to restore virtual machine disks in addition to restoring volume groups.
- When cloning virtual disks, you can now specify a virtual machine to which you want to attach the restored virtual disks.
- A new destination for restoring individual files is introduced. You can download an archive of the selected files to a local machine.
- A possibility to specify a storage container to restore to is introduced for the Exchange Server and SQL Server restore.
- An enhanced user experience is provided by applying the colors to restore instance tags.
- Improved navigation for the virtual machines, applications, file shares, and volume groups restore points is introduced.
- HYCU is now preconfigured to perform data rehydration before performing a restore if some or all of the restore point data is stored in the Azure archive storage tier. During a rehydration task, the data is moved from the archive storage tier to the hot storage tier from which HYCU can restore data.
- An enhanced approach to setting up logging for troubleshooting purposes is introduced.
- Support for the following:
 - Windows Server 2019
 - Nutanix Files 3.5.0.1

For detailed information about all the new features, enhancements, and fixes, see HYCU Help.

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 VMware vSphere Web Client.

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

Upgrade notes

Upgrading HYCU to version 4.0.0 is possible only from version 3.5.2. If you have an older version of HYCU, you first need to upgrade it to 3.5.2. For detailed information about upgrading HYCU, see the *HYCU User Guide*.

If after upgrading HYCU you run into any of the following issues, do as follows:

Issue	Solution
Cannot assign a policy to an already discovered SQL Server instance that is part of an AlwaysOn Availability Group.	Reassign credentials to the SQL Server instance.
<i>Nutanix ESXi clusters only.</i> Cannot restore a virtual machine.	Make sure the storage container to which you want to restore data is mounted on ESXi hosts. For details on how to mount the storage container on the hosts, see Nutanix documentation.

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

The following are the limitations with this release:

- Backing up virtual machines with host affinity configured is supported only if your AOS version is 5.8 or higher.
- There are some restrictions and limitations that you might encounter when FIPS-compliant mode is enabled. For details, contact HYCU Support.
- HYCU does not compress backup data even if the compression is enabled on a target for the following entities:
 - Entities residing in the vSphere environment
 - Nutanix Files shares

HYCU documentation set

The HYCU documentation set includes the following documents:

Document	Distributed with the product ^a	Available online at the HYCU product site
HYCU Help	✓	×
<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>	✓	×

^aThe HYCU documentation set is located in the `/help` folder on the HYCU backup controller.

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!

