

RELEASE NOTES

HYCU Data Protection for Enterprise Clouds

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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.

Support for virtual machines with secure boot

Protecting virtual machines with secure boot enabled is now supported.

File restore to a different virtual machine

The restore of individual files has been enhanced to include the possibility to restore individual files to the original or an alternate location on a different virtual machine.

Enhanced file share protection

File share protection has been enhanced as follows:

- Individual files belonging to a Nutanix Files share can be restored to a different Nutanix Files share, or to an external SMB or NFS share.
- If you use HYCU for protection of file shares on Nutanix AHV clusters, the HYCU instance configuration is preserved after the upgrade.
- Backing up encrypted SMB shares is supported also for Nutanix Files version 3.7.0.

Tape as a new target type

HYCU enables you to use tape as a target for archiving data that you intend to keep for a longer period of time through Integral Volume sets provided by QStar Archive Storage Manager (ASM).

SSH public key authentication

You can now configure HYCU to access virtual machines by using SSH public key authentication.

Network bandwidth throttling

You can now limit the bandwidth that is available to HYCU when transferring outbound data. By doing so, you make sure that enough bandwidth is available for all the network operations in your environment.

Preview feature: Protection of Linux physical machines

 **Important** This is a preview feature and is not intended for use in a production environment.

HYCU is extending its scope of data protection to include also Linux physical machines.

Other enhancements and fixes

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

- When restoring or migrating to cloud a virtual machine with one or more disks excluded from the backup, blank disks of the same size and configuration as the excluded ones can be created and attached to the restored or migrated virtual machine.
- When restoring a virtual machine, you can select the desired number of virtual CPUs and cores per virtual CPU, as well as the amount of memory to be assigned to the restored virtual machine.
- When cloning a virtual machine to a new location, you can keep the original MAC address of the virtual machine.
- Protecting vSphere virtual machines with independent and/or RDM disks is now possible. In this case, such disks are excluded from the virtual machine backup automatically.
- After you restore a virtual machine for which you have set up automatic policy assignment, the custom attribute value is kept on the restored virtual machine if the virtual machine is backed up with HYCU version 4.2.0 and the original custom attribute still exists in VMware vSphere.
- When removing a Nutanix cluster or a Nutanix Files server from HYCU, you can choose to delete or keep snapshots created by HYCU.
- The idle session timeout has been configured for the HYCU backup controller virtual machine accessed through SSH or the Nutanix Prism web console. By default, the session will be terminated after 10 minutes of inactivity.
- You can now change the NFS or SMB server name, IP address, or path to the shared folder, or the portal IP address of an iSCSI target when editing any of these targets.

- HYCU can now compress vSphere virtual machine data on backup targets.
- The retention period you set in the policy for backup copies can now be shorter than the one you set for primary backups.
- When changing ownership of virtual machines and/or file shares, you can choose whether you want data protected by specific owners to be kept or deleted from HYCU.
- SQL Server Availability Groups support has been extended to include SQL Server Always On Basic Availability Groups.
- If your Windows physical machine is part of a database availability group (DAG), you can select the option to back up only disks hosting passive database copies when backing up the Exchange Server application.
- The overall web user interface experience has been enhanced for HYCU reports.
- Support for the following:
 - Nutanix AOS 5.18
 - Nutanix Files 3.7.2

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 vSphere (Web) Client.

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

Upgrade notes

Upgrading HYCU to version 4.2.0 is possible only from version 4.1.3. If you have an older version of HYCU, you first need to upgrade it to 4.1.3.

 **Important** If you use HYCU for protection of file shares, you must do the following:

- *For Nutanix AHV clusters:* If your HYCU instances are configured to use multiple network adapters, upgrade HYCU from hotfix version 4.1.3-348 or later.
- If after upgrading HYCU you plan to import targets that store file share data, perform a full backup of file shares immediately after the upgrade.

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 Always On 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

There are some restrictions and limitations that you might encounter when FIPS-compliant mode is enabled. For details, contact HYCU Customer Support.

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 Customer 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/<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!

