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.

Improved security

Numerous security improvements have been made in HYCU to address the requirements of the most secure data protection environments, including the following ones:

- Additional logging of security-related events (for example, logons via the console and SSH) and forwarding of such events to an external system.
- SSL certificate management:
  - The scripts for SSL certificate management have been removed from the HYCU virtual appliance and all SSL certificates are now managed through the HYCU web user interface.
  - As an alternative to using scripts, you can now import SSL certificates from hosts by using the HYCU web user interface.
  - Certificate signing requests can now be created by using the HYCU web user interface.
  - Updating SSL CA-signed certificates no longer requires a service restart to take effect.

Snapshot as a backup target type

When protecting virtual machines, applications, and volume groups on Nutanix clusters, you can now select Snapshot as the backup target type in your policy, which allows you to save space in your data protection environment. Using this approach in combination with archiving data to object storage offers quick local restores and efficient data archives in cloud.

Backup from replicas created with Nutanix Leap

HYCU now supports backing up virtual machines from their replicas created with Leap, in addition to backing up virtual machines and volume groups from their replicas created with protection domains.

Compression for backups of file shares

File share data can now be compressed before it is stored on targets. Compression is available for backup data, copies of backup data, and data archives.

Improved file and application restore for Linux virtual machines

Restoring individual files and applications on Linux virtual machines has been improved to allow you to perform the restore of system files and applications with the non-root sudo user. In addition, the performance of the restore itself has been significantly improved.

Support for Wasabi

Backing up data to Wasabi S3-compatible targets is now supported, including also the targets that have WORM enabled.

Other enhancements and fixes

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

- HYCU now supports protecting virtual machines on a Nutanix AHV cluster that are connected to one or more subnets within a Virtual Private Cloud (VPC).
- The GPU configuration of a virtual machine on a Nutanix AHV cluster is preserved after the virtual machine backup and restore.
- HYCU can now be integrated with the Active Directory Federation Services identity provider to give users the possibility to securely sign in to HYCU by using this identity provider, without the need to maintain dedicated credentials for HYCU.
- When configuring an SMTP server, you can verify that the provided SMTP configuration is correct by sending a test email with the SMTP server settings.
- The HYCU web user interface has been enhanced to allow you to easily clear the list of selected items in the corresponding panel by clicking the ✕ icon next to the number of displayed items in the regular or filtered view.
- Support for the following:
  - Nutanix AOS 6.1.1
  - Windows Server 2022

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 4.5.1 is possible only from version 4.5.0. If you have an older version of HYCU, you first need to upgrade it to 4.5.0.

> Note If you use HYCU for protection of physical machines, keep in mind that the first backup of all protected physical machines will be a full backup 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.
Nutanix ESXi clusters only. 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

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 Customer 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:

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