

## RELEASE NOTES

# HYCU Data Protection for Enterprise Clouds

## v4.7.0

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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.

## Extended file share protection

HYCU has expanded its file share protection to include support for NetApp ONTAP file servers and generic file servers.

When backing up data stored on NetApp ONTAP file servers, you can perform full or incremental backups of NFS and SMB file shares. You can also back up data from other types of file servers and restore it to NetApp ONTAP, and vice versa. For enhanced security, HYCU also supports SMB encryption while backing up NetApp ONTAP file shares via the SMB3 protocol.

In addition to Nutanix Files servers, Dell PowerScale OneFS file servers, and NetApp ONTAP file servers, HYCU now also provides data protection for other types of file servers that can be added to HYCU as generic file servers. This enables you to protect a wide variety of file shares, such as NAS and Windows Server file shares.

## Support for VMware vSphere Virtual Volumes (vVols) and VMware vSAN

You can now protect vSphere virtual machines and applications running on virtual machines residing on vVols and vSAN datastores without any additional configuration in HYCU. Besides snapshot speed and lowered impact of the backup, using vVols and vSAN snapshots with HYCU adds the following advantages:

- Whole virtual machines, applications, or individual files are quickly restored.
- The last snapshot is kept by default, but, if the needs of your data protection environment require it, more than one snapshot can be kept by setting the Fast Restore option in your HYCU policy.
- With snapshots used as a data source for copies of backup data, the network usage is lowered. This is especially useful in cases where the target for storing data is not local.

## Other enhancements and fixes

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

- Notable security improvements have been made, including the following:
  - A more secure approach to Windows virtual machine discovery, application backup, and file restore operations, which enables HYCU to operate in security-hardened environments.
  - An introduction of a security event message that will warn you if default passwords are not changed on the HYCU backup controller.
- File share protection has been optimized, including enhanced HYCU instance memory requirements for backing up and restoring data, which enables you to restore larger file shares.
- The cloud readiness check has been renamed to platform readiness check and expanded to also confirm if a virtual machine is ready to be restored to an environment with a different hypervisor.
- Support for the following:
  - VMware vSphere 8.0
  - Red Hat Enterprise Linux 9.x, Oracle Linux 9.x, and SUSE Linux Enterprise Server 15 SP4

## 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 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 the *HYCU User Guide*.

## Upgrade notes

Upgrading HYCU to version 4.7.0 is possible only from version 4.6.0. If you have an older version of HYCU, you first need to upgrade it to 4.6.0.

For detailed information about upgrading HYCU, see the *HYCU User Guide*.

# 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 <sup>a</sup>	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	✓	✗

<sup>a</sup> 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
<i>HYCU Help</i>	✓
<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>	✗

<sup>a</sup> 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](mailto:info@hycu.com)

We will be glad to hear from you!

