

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.

Unified user management experience

When it comes to user management experience, the high-level goal of HYCU is to keep it simple and stay focused on users' needs. This release of HYCU provides you with the following user-oriented enhancements:

- *Ability to add a user to multiple groups.* If a user is a member of multiple groups, the user can at any time switch to another group (provided that its status is Active) while being logged on to HYCU.
- *Ability to assign a user role to a user.* Each user in a group has an assigned user role that determines the scope of actions the user can perform in the data protection environment. In case of multiple groups, the user can have different roles assigned in different groups, based on the business needs.
- *Support for AD groups.* After you configure Active Directory authentication, you can set the authentication type to AD group when creating a new user and allow all users from a specific AD group to access the data protection environment.

Support for Active Directory nested groups is also introduced. An AD group that is a member of another AD group inherits permissions from a parent group and is referred to as an AD nested group.

Data protection for multiple applications

You can now back up multiple applications running on a virtual machine in a single virtual machine backup job provided that a backup policy is assigned to each application that you want to be included in the virtual machine backup. This is supported for virtual machines running multiple SQL Server applications, multiple Oracle applications, or Active Directory and Exchange Server.

SAP HANA application protection

HYCU application awareness has extended with SAP HANA database. In-built application awareness now looks inside your virtual machines to detect also SAP HANA applications, providing the context needed to completely and consistently back up and restore them.

You can restore the whole SAP HANA application that resides either on a virtual machine or volume groups.

Reporting

HYCU now provides a visual presentation of your data protection environment resources and operation through the reporting functionality. To achieve a comprehensive and precise presentation and visualization, and to deliver the desired information clearly and effectively, HYCU provides a set of predefined reports and tools that help you tailor the reports to meet your needs. The predefined reports enable you to obtain reports on the HYCU resources or operations such as data transfer, the job status, the number of backups, and the amount of protected data. Reports can be presented as a table or as a chart to visualize this data. You can obtain reports on the current state of the HYCU environment, save them for the future reference, and schedule them to regularly get the data of your interest.

Data protection for volume groups

HYCU now allows you to discover, back up, and restore volume groups attached to virtual machines. There are two scenarios in which the volume groups will be restored, by restoring or cloning a virtual machine itself or by restoring, cloning, or exporting the selected volume groups.

Single disk restore

If your data becomes corrupted, you can now restore only corrupted virtual disks as an alternative to restoring the entire virtual machine.

Other enhancements and fixes

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

- The Export option that allows you to export the contents of the table in any of the panels to a JSON or CSV file.
- Extended SQL Server support to include support for failover clusters, allowing you to back up and restore SQL Server databases in failover clusters.
- Ability to back up and restore vSphere virtual machine templates (virtual machines that are used as templates to create other virtual machines in a vSphere environment).
- The Email Notifications option that allows you to configure HYCU through the HYCU web user interface to send email notifications when events occurs.
- Possibility to set up HYCU to use multiple networks.
- Enhanced security to include the possibility to configure HYCU to use LDAP over SSL (LDAPS) for secure user authentication.

- Enhanced file share protection to include the backup and restore of Alternate Data Streams (ADS).
- Possibility to select which restore instance you want to use when restoring data (one or more available depending on the backup options you enabled in your backup policy).
- Enhanced mechanism for starting failed backups.
- Intuitive color labels for the restore point types in the Details section of backup sources.
- Support for the following:
 - Azure China backup target
 - Nutanix Files 3.1.0.1

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 3.5.0 is possible only from version 3.1.3. If you have an older version of HYCU, you first need to upgrade it to 3.1.3. 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 not supported.
- There are some restrictions and limitations that you might encounter when FIPS-compliant mode is enabled. For details, contact HYCU Support.
- *SQL Server failover clusters only*. The Overwrite existing database option can be enabled for a redirected restore only if the database location also exists on the target virtual machine.

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` directory 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!

