HYCU R-Cloud Hybrid Cloud Edition v5.3.0

Release Notes

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Contents

What is new in this version of HYCU 6

R-Shield enhanced with integrated malware scanning and dashboard presentation 6

Enhanced HYCU Manager 6

Optimized file share and bucket protection 7

Support for external monitoring of HYCU 7

Other enhancements and fixes 8

Installation notes 9

Upgrade notes 9

Supported environments 9

Limitations 9

HYCU documentation set 9

Translated documentation 10

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.

R-Shield enhanced with integrated malware scanning and dashboard presentation

To enhance cyber resilience by verifying that backups are free of known threats before they are used for data recovery, HYCU now allows you to enable malware scanning in an R-Shield policy. After you enable malware scanning, the scans are run automatically. However, if you want to check a specific restore point for threats, you can also manually run a malware scan at any time. To ensure optimal HYCU backup controller performance, the available HYCU instances in your data protection environment are used to perform malware scanning.

The R-Shield statuses of your protected entities are presented by the R-Shield widget on the HYCU dashboard, giving you immediate visibility into potential risks across your data protection environment.

Enhanced HYCU Manager

HYCU Manager has been enhanced with new capabilities and improvements that make it easier to manage, monitor, and operate your HYCU controllers. You can now do the following:

- Upgrade HYCU controllers directly from the HYCU Manager console when a new software version is available, or apply updates to the current HYCU controller versions.

- Set power options for HYCU controllers to suspend or resume their activities as needed.
- Use HYCU Manager reports to analyze data specific to your monitored HYCU controllers, helping you stay informed about changes in your data protection environments and proactively respond to potential issues.
- View all events associated with HYCU controllers added to HYCU Manager, in addition to the events generated within HYCU Manager itself.
- Filter HYCU controllers by type and status to quickly locate and manage them.
- Use single sign-on. If you use the same user account to sign in to both HYCU Manager and HYCU, selecting a HYCU controller in the HYCU Manager console now signs you directly into the related HYCU web user interface.

Optimized file share and bucket protection

File share and bucket protection has been optimized as follows:

- You can now restore files or objects by searching for them and selecting exactly which files or objects to include in the restore. This improvement is especially helpful when a file or an object was deleted some time ago and multiple restore points have been created since. It enables you to quickly identify the restore point containing the most recent version of the file or the object and restore only the files or objects that you need.
- As an alternative to excluding files or objects from the backup by specifying their full paths, you can now use also glob patterns.

Support for external monitoring of HYCU

You can now set up HYCU to be monitored with an external monitoring tool. Monitoring HYCU metrics, such as memory usage and available data disk space, helps you ensure stable functioning of your HYCU backup controller. HYCU metrics are exposed in the Prometheus wire format, enabling seamless integration into your existing monitoring infrastructure.

Other enhancements and fixes

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

- HYCU data protection for XenServer has been extended to include support for the following:
  - Cloning virtual machine data across different source types
  - Protecting application data
  - Protecting file share data
  - Using SpinUp functionality to migrate protected data to and from any supported cloud provider
- You can migrate Ubuntu virtual machines to and from cloud.
- Protecting SQL Server failover cluster instances running on servers is supported.
- When adding an Active Directory Federation Services, a Keycloak, an Okta, or an OpenID Connect IdP identity provider to HYCU, you can specify the well-known configuration URL to enable HYCU to automatically retrieve the necessary configuration details for your identity provider, reducing manual input and minimizing configuration errors.
- In addition to adding Dell PowerScale OneFS storage system as a file server to HYCU, you can now add it also as an object server. This allows you to protect data that is stored in Dell PowerScale OneFS as objects in unstructured data storage.
- You can configure HYCU email delivery to use Microsoft 365.
- Support for the following:
  - Azure Local 12.x
  - Exchange Server SE
  - Hyper-V 24H2
  - Nutanix AOS 7.5
  - Nutanix Database Service (NDB) 2.8 and 2.9
  - Nutanix Objects 5.3
  - Nutanix Files 5.3
  - Immutably, MinIO, TrueNAS, Pure Storage FlashBlade, VAST Data Platform, and Zadara as S3 compatible WORM targets

Installation notes

The HYCU virtual appliance is a preconfigured software solution that you can easily deploy to an environment for which you want to provide data protection. The deployment is performed through your native console.

For details on deploying the HYCU virtual appliance, see *HYCU Help*.

Upgrade notes

Upgrading HYCU to version 5.3.0 is possible only from version 5.2.1. If you have an earlier version of HYCU, you first need to upgrade it to 5.2.1.

For details on upgrading HYCU, see *HYCU Help*.

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 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

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