

RELEASE NOTES

HYCU Data Protection for Enterprise Clouds

v4.6.0

November 2022



Legal notices

Copyright notice

© 2022 HYCU. All rights reserved.

This document contains proprietary information, which is protected by copyright. No part of this document may be photocopied, reproduced, distributed, transmitted, stored in a retrieval system, modified or translated to another language in any form by any means, without the prior written consent of HYCU.

Trademarks

HYCU logos, names, trademarks and/or service marks and combinations thereof are the property of HYCU or its affiliates. Other product names are the property of their respective trademark or service mark holders and are hereby acknowledged.

Acropolis and Nutanix are trademarks of Nutanix, Inc. in the United States and/or other jurisdictions.

Amazon Web Services, AWS, and Amazon S3 are trademarks of Amazon.com, Inc. or its affiliates.

Azure®, Microsoft®, Microsoft Edge™, and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Dell Technologies, Dell, Dell EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries.

GCP™, Google Cloud Platform™, and Google Cloud Storage™ are trademarks of Google LLC.

Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.

Red Hat Enterprise Linux is a registered trademark of Red Hat, Inc. or its subsidiaries in the United States and other countries.

VMware ESXi™, VMware Tools™, VMware vCenter Server®, VMware vSphere®, VMware vSphere® Data Protection™, and VMware vSphere® Web Client are registered trademarks or trademarks of VMware, Inc. and its subsidiaries in the United States and other jurisdictions.

Disclaimer

The details and descriptions contained in this document are believed to have been accurate and up to date at the time the document was written. The information contained in this document is subject to change without notice.

HYCU provides this material "as is" and makes no warranty of any kind, expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. HYCU shall not be liable for errors and omissions contained herein. In no event shall HYCU be liable for any direct, indirect, consequential, punitive, special or incidental damages, including, without limitation, damages for loss and profits, loss of anticipated savings, business interruption, or loss of information arising out of the use or inability to use this document, or any action taken based on the information contained herein, even if it has been advised of the possibility of such damages, whether based on warranty, contract, or any other legal theory.

The only warranties for HYCU products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty.

Notice

This document is provided in connection with HYCU products. HYCU may have copyright, patents, patent applications, trademark, or other intellectual property rights covering the subject matter of this document.

Except as expressly provided in any written license agreement from HYCU, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property on HYCU products. Use of underlying HYCU product(s) is governed by their respective Software License and Support Terms.

Important: Please read Software License and Support Terms before using the accompanying software product(s).

HYCU

www.hycu.com

Contents

What is new in this version of HYCU	5
Protection of mission-critical workloads in Azure Government	5
Complete migration and disaster recovery to AWS	5
Other enhancements and fixes	5
Installation notes	6
Upgrade notes	6
Supported environments	7
Limitations	7
HYCU documentation set	8
Translated documentation	8

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.

Protection of mission-critical workloads in Azure Government

You can now use HYCU to protect mission-critical workloads running on virtual machines, applications, and databases in Azure Government. Data protection can be enabled in only a few minutes after you deploy the HYCU virtual appliance, and you can be confident that your business data is protected. Since the service runs within your project, your data is always safe and secure, and your infrastructure is FedRAMP-compliant.

In addition to protecting workloads in Azure Government, you can also migrate data from your on-premise VMware or Nutanix infrastructure to Azure Government, and bring the workloads back from Azure Government to the local infrastructure.

Complete migration and disaster recovery to AWS

In addition to backing up on-premise workloads to Amazon Web Services (AWS), now you can also migrate your workloads or perform disaster recovery of data to AWS. You can also migrate the AWS workloads back to your on-premise VMware or Nutanix infrastructure. HYCU allows you to protect your data across the on-premises and AWS infrastructure and simplify data migration and disaster recovery processes.

From the HYCU Manager console, you can proactively monitor your HYCU Data Protection as a Service for AWS (HYCU for AWS) data protection environment. The console can consolidate data protection information received from all registered AWS controllers in one place for easy access.

Other enhancements and fixes

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

- When creating a data archive or setting up a validation policy, you can specify a preferred time zone for the archive or backup validation jobs.

- Protection of PowerScale OneFS file servers has been extended to also include file shares in non-System zones.
- When restoring SQL Server databases, you can leave the databases in the restoring state. By doing so, you can apply transaction logs to the databases after the restore and perform a manual point-in-time restore.
- HYCU now supports the import of SSL key pairs in the PFX file format.
- To improve security, if you use the default password to log on to HYCU, an event is issued after every restart of the HYCU application server.
- When you deploy a HYCU backup controller in AWS, Google Cloud, Azure, or Azure Government to perform disaster recovery of data to cloud, you can import any type of target that stores backup data.
- Support for the following:
 - Nutanix Files 4.2.0
 - Nutanix AOS 6.5.1

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

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.

Issue	Solution
<p><i>Nutanix ESXi clusters only.</i> Cannot restore a virtual machine.</p>	<p>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.</p>

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
<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/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>	✗

^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:

info@hycu.com

We will be glad to hear from you!

