



Red Hat Ceph Storage 4

Compatibility Guide

Red Hat Ceph Storage and Its Compatibility With Other Products

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Abstract

This document describes compatibility of various Red Hat Ceph Storage versions with other products. Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright's message .

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CHAPTER 1. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 4.0

The following tables list products and their versions compatible with Red Hat Ceph Storage 4.0.

Host Operating System	Version	Notes
Red Hat Enterprise Linux	7.7 and 8.1	Included in the product



IMPORTANT

All nodes in the cluster and their clients must use the supported OS version(s) to ensure that the version of the **ceph** package is the same on all nodes. Using different versions of the **ceph** package is not supported.



IMPORTANT

Red Hat no longer supports using Ubuntu as a host operating system to deploy Red Hat Ceph Storage.

Product	Version	Notes
Ansible	2.8	Included in the product
Red Hat OpenShift	3.0 and later 3.x versions	The RBD driver is supported starting with version 3.0 and Cinder driver is supported starting with version 3.1. Red Hat OpenShift 4 is not supported.
Red Hat OpenStack Platform	13, 15 and 16	Red Hat OpenStack Platform 11, 12 and 14 is not supported. Red Hat OpenStack Platform 10 and Red Hat Ceph Storage 4 are not a tested combination. Director 13 deployed Red Hat Ceph Storage 3.1+ also supports external Red Hat Ceph Storage 4. Director 16 deployed Red Hat Ceph Storage 4.0 also supports external Red Hat Ceph Storage 5.
Red Hat Satellite	6.x	Only registering with the Content Delivery Network (CDN) is supported. Registering with Red Hat Network (RHN) is deprecated and not supported.

Client Connector	Version	Notes
S3A	2.8.x, 3.2.x, and trunk	
Red Hat Enterprise Linux iSCSI Initiator	The latest versions of the iscsi-initiator-utils and device-mapper-multipath packages	

RHCS as a backup target	Version	Notes
CommVault	Cloud Data Management v11	
IBM Spectrum Protect Plus	10.1.5	
IBM Spectrum Protect server	8.1.8	
NetApp AltaVault	4.3.2 and 4.4	
Rubrik Cloud Data Management (CDM)	3.2 and later	
Trilio, TrilioVault	3.0	S3 target
Veeam (object storage)	Veeam Availability Suite 9.5 Update 4	Supported on Red Hat Ceph Storage object storage with the S3 protocol
Veritas NetBackup for Symantec OpenStorage (OST) cloud backup	7.7 and 8.0	

Independent Software vendors	Version	Notes
IBM Spectrum Discover	2.0.3	

CHAPTER 2. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 4.1

The following tables list products and their versions compatible with Red Hat Ceph Storage (RHCS) 4.1.

Host Operating System	Version	Notes
Red Hat Enterprise Linux	7.8, 7.9, 8.2, and 8.3	Included in the product



IMPORTANT

All nodes in the cluster and their clients must use the supported OS version(s) to ensure that the version of the **ceph** package is the same on all nodes. Using different versions of the **ceph** package is not supported.



IMPORTANT

Red Hat no longer supports using Ubuntu as a host operating system to deploy Red Hat Ceph Storage.

Product	Version	Notes
Ansible	2.9	Included in the product
Red Hat OpenShift	3.0 and later 3.x versions	The RBD driver is supported starting with version 3.0 and Cinder driver is supported starting with version 3.1. Red Hat OpenShift 4 is not supported.
Red Hat OpenStack Platform	13, 15 and 16	Red Hat OpenStack Platform 11, 12 and 14 is not supported. Red Hat OpenStack Platform 10 and Red Hat Ceph Storage 4 are not a tested combination. Director 13 deployed Red Hat Ceph Storage 3.1+ also supports external Red Hat Ceph Storage 4. Director 16 deployed Red Hat Ceph Storage 4.1 also supports external Red Hat Ceph Storage 5.
Red Hat Satellite	6.x	Only registering with the Content Delivery Network (CDN) is supported. Registering with Red Hat Network (RHN) is deprecated and not supported.

Product	Version	Notes
Red Hat OpenShift Container Storage	4.5	Red Hat Ceph Storage 4.1.1 and later versions are supported for Red Hat OpenShift Storage 4.5 external mode.

Client Connector	Version	Notes
S3A	2.8.x, 3.2.x, and trunk	
Red Hat Enterprise Linux iSCSI Initiator	The latest versions of the iscsi-initiator-utils and device-mapper-multipath packages	

RHCS as a backup target	Version	Notes
CommVault	Cloud Data Management v11	
IBM Spectrum Protect Plus	10.1.5	
IBM Spectrum Protect server	8.1.8	
NetApp AltaVault	4.3.2 and 4.4	
Rubrik Cloud Data Management (CDM)	3.2 and later	
Trilio, TrilioVault	3.0	S3 target
Veeam (object storage)	Veeam Availability Suite 9.5 Update 4	Supported on Red Hat Ceph Storage object storage with the S3 protocol
Veritas NetBackup for Symantec OpenStorage (OST) cloud backup	7.7 and 8.0	

Independent Software vendors	Version	Notes
IBM Spectrum Discover	2.0.3	

CHAPTER 3. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 4.2

The following tables list products and their versions compatible with Red Hat Ceph Storage (RHCS) 4.2.

Host Operating System	Version	Notes
Red Hat Enterprise Linux	7.9, 8.2, 8.3, and 8.4	Included in the product



IMPORTANT

All nodes in the cluster and their clients must use the supported OS version(s) to ensure that the version of the **ceph** package is the same on all nodes. Using different versions of the **ceph** package is not supported.



IMPORTANT

Red Hat no longer supports using Ubuntu as a host operating system to deploy Red Hat Ceph Storage.

Product	Version	Notes
Ansible	2.9	Included in the product
Red Hat OpenShift	3.0 and later 3.x versions	The RBD driver is supported starting with version 3.0 and Cinder driver is supported starting with version 3.1. Red Hat OpenShift 4 is not supported.
Red Hat OpenStack Platform	13, 15 and 16	Red Hat OpenStack Platform 11, 12 and 14 is not supported. Red Hat OpenStack Platform 10 and Red Hat Ceph Storage 4 are not a tested combination. Director 13 deployed Red Hat Ceph Storage 3.1+ also supports external Red Hat Ceph Storage 4. Director 16 deployed Red Hat Ceph Storage 4.2 also supports external Red Hat Ceph Storage 5.
Red Hat Satellite	6.x	Only registering with the Content Delivery Network (CDN) is supported. Registering with Red Hat Network (RHN) is deprecated and not supported.

Product	Version	Notes
Red Hat OpenShift Container Storage	4.6	Red Hat Ceph Storage 4.2 and later versions are supported for Red Hat OpenShift Storage 4.6 external mode.

Client Connector	Version	Notes
S3A	2.8.x, 3.2.x, and trunk	
Red Hat Enterprise Linux iSCSI Initiator	The latest versions of the iscsi-initiator-utils and device-mapper-multipath packages	

RHCS as a backup target	Version	Notes
CommVault	Cloud Data Management v11	
IBM Spectrum Protect Plus	10.1.5	
IBM Spectrum Protect server	8.1.8	
NetApp AltaVault	4.3.2 and 4.4	
Rubrik Cloud Data Management (CDM)	3.2 and later	
Trilio, TrilioVault	3.0	S3 target
Veeam (object storage)	Veeam Availability Suite 9.5 Update 4	Supported on Red Hat Ceph Storage object storage with the S3 protocol
Veritas NetBackup for Symantec OpenStorage (OST) cloud backup	7.7 and 8.0	

Independent Software vendors	Version	Notes
IBM Spectrum Discover	2.0.3	

CHAPTER 4. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 4.3

The following tables list products and their versions compatible with Red Hat Ceph Storage (RHCS) 4.3.

Host Operating System	Version	Notes
Red Hat Enterprise Linux	7.9, 8.4 EUS, 8.5 and 8.6	Included in the product



IMPORTANT

All nodes in the cluster and their clients must use the supported OS version(s) to ensure that the version of the **ceph** package is the same on all nodes. Using different versions of the **ceph** package is not supported.



IMPORTANT

Red Hat no longer supports using Ubuntu as a host operating system to deploy Red Hat Ceph Storage.

Product	Version	Notes
Ansible	2.9	Included in the product
Red Hat OpenShift	3.0 and later 3.x versions	The RBD driver is supported starting with version 3.0 and Cinder driver is supported starting with version 3.1. Red Hat OpenShift 4 is not supported.
Red Hat OpenStack Platform	13, 15 and 16	Red Hat OpenStack Platform 11, 12 and 14 is not supported. Red Hat OpenStack Platform 10 and Red Hat Ceph Storage 4 are not a tested combination. Director 13 deployed Red Hat Ceph Storage 3.1+ also supports external Red Hat Ceph Storage 4. Director 16 deployed Red Hat Ceph Storage 4.3 also supports external Red Hat Ceph Storage 5.
Red Hat Satellite	6.x	Only registering with the Content Delivery Network (CDN) is supported. Registering with Red Hat Network (RHN) is deprecated and not supported.

Product	Version	Notes
Red Hat OpenShift Container Storage	4.6	Red Hat Ceph Storage 4.2 and later versions are supported for Red Hat OpenShift Storage 4.6 external mode.

Client Connector	Version	Notes
S3A	2.8.x, 3.2.x, and trunk	
Red Hat Enterprise Linux iSCSI Initiator	The latest versions of the iscsi-initiator-utils and device-mapper-multipath packages	

RHCS as a backup target	Version	Notes
CommVault	Cloud Data Management v11	
IBM Spectrum Protect Plus	10.1.5	
IBM Spectrum Protect server	8.1.8	
NetApp AltaVault	4.3.2 and 4.4	
Rubrik Cloud Data Management (CDM)	3.2 and later	
Trilio, TrilioVault	3.0	S3 target
Veeam (object storage)	Veeam Availability Suite 9.5 Update 4	Supported on Red Hat Ceph Storage object storage with the S3 protocol
Veritas NetBackup for Symantec OpenStorage (OST) cloud backup	7.7 and 8.0	

Independent Software vendors	Version	Notes
IBM Spectrum Discover	2.0.3	

