



# Red Hat Ceph Storage 3

## 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.

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# CHAPTER 1. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 3.0

The following tables list products and their versions compatible with Red Hat Ceph Storage 3.0.

Host Operating System	Version	Notes
Red Hat Enterprise Linux	7.4, 7.5	Included in the product
Ubuntu	16.04.03	OS component is supported by other vendor



## 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.

Product	Version	Notes
Ansible	2.4	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	10 and later	
Red Hat Satellite	6	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	2.7.3	
Red Hat Enterprise Linux iSCSI Initiator	The latest versions of the <b>iscsi-initiator-utils</b> and <b>device-mapper-multipath</b> packages	A special kernel version that is not generally available in Red Hat Enterprise Linux yet is required. Contact the Red Hat Support for availability of an early release of the kernel.

RHCS as a backup target	Version	Notes
NetApp AltaVault	3.3.2 and 4.4	
Rubrik Cloud Data Management (CDM)	3.2 and later	
Trilio, TrilioVault	3.0	S3 target
Veritas NetBackup for Symantec OpenStorage (OST) cloud backup	7.7 and 8.0	



## CHAPTER 2. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 3.1

The following tables list products and their versions compatible with Red Hat Ceph Storage 3.1.

Host Operating System	Version	Notes
Red Hat Enterprise Linux	7.5, 7.6	Included in the product
Ubuntu	16.04.04	OS component is supported by other vendor



### 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.

Product	Version	Notes
Ansible	2.4	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	10, 12, and 13	Red Hat Openstack Platform 11 is not supported. Director 13 deployed Red Hat Ceph Storage 3.1 also supports external Red Hat Ceph Storage 4.
Red Hat Satellite	6	Only registering with the Content Delivery Network (CDN) is supported. Registering with Red Hat Network (RHN) is deprecated and not supported.

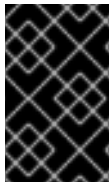
Client Connector	Version	Notes
S3A	2.7.3	
Red Hat Enterprise Linux iSCSI Initiator	The latest versions of the <b>iscsi-initiator-utils</b> and <b>device-mapper-multipath</b> packages	

RHCS as a backup target	Version	Notes
NetApp AltaVault	4.3.2 and 4.4	
Rubrik Cloud Data Management (CDM)	3.2 and later	
Trilio, TrilioVault	3.0	S3 target
Veritas NetBackup for Symantec OpenStorage (OST) cloud backup	7.7 and 8.0	

## CHAPTER 3. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 3.2

The following tables list products and their versions compatible with Red Hat Ceph Storage 3.2.

Host Operating System	Version	Notes
Red Hat Enterprise Linux	7.6	Included in the product
Ubuntu	16.04.05	OS component is supported by other vendor



### 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.

Product	Version	Notes
Ansible	2.6	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	10, 12, and 13	Red Hat OpenStack Platform 11 is not supported. Director 13 deployed Red Hat Ceph Storage 3.2 also supports external Red Hat Ceph Storage 4.
Red Hat Satellite	6	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	2.8.0 and 2.8.2	
Red Hat Enterprise Linux iSCSI Initiator	The latest versions of the <b>iscsi-initiator-utils</b> and <b>device-mapper-multipath</b> packages	

RHCS as a backup target	Version	Notes
CommVault	Cloud Data Management v11	
NetApp AltaVault	4.3.2 and 4.4	
Rubrik Cloud Data Management (CDM)	3.2 and later	
Trilio, TrilioVault	3.0	S3 target
Veeam Backup & Replication	9.x	Ceph Block Device (RBD)
Veeam (object storage)	Veeam Availability Suite 9.5 Update 4	Supported on RHCS object storage with the S3 protocol
Veritas NetBackup for Symantec OpenStorage (OST) cloud backup	7.7 and 8.0	

## CHAPTER 4. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 3.3

The following tables list products and their versions compatible with Red Hat Ceph Storage 3.3.

Host Operating System	Version	Notes
Red Hat Enterprise Linux	7.6, 7.7, 7.8, 7.9	Included in the product
Ubuntu	16.04	OS component is supported by other vendor



### 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.

Product	Version	Notes
Ansible	2.6	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	10, 12, 13, and 14	Red Hat OpenStack Platform 11 is not supported. Director 13 deployed Red Hat Ceph Storage 3.2 also supports external Red Hat Ceph Storage 4.
Red Hat Satellite	6	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 <b>iscsi-initiator-utils</b> and <b>device-mapper-multipath</b> 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	2.0.2.0.	