



Red Hat Ceph Storage 3

Compatibility Guide

Red Hat Ceph Storage and Its Compatibility With Other Products

Red Hat Ceph Storage 3 Compatibility Guide

Red Hat Ceph Storage and Its Compatibility With Other Products

Legal Notice

Copyright © 2019 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at

<http://creativecommons.org/licenses/by-sa/3.0/>

. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, the Red Hat logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux[®] is the registered trademark of Linus Torvalds in the United States and other countries.

Java[®] is a registered trademark of Oracle and/or its affiliates.

XFS[®] is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL[®] is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js[®] is an official trademark of Joyent. Red Hat is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack[®] Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

This document describes compatibility of various Red Hat Ceph Storage versions with other products.

Table of Contents

CHAPTER 1. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 3.0	3
CHAPTER 2. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 3.1	5
CHAPTER 3. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 3.2	7
CHAPTER 4. COMPATIBILITY MATRIX FOR RED HAT CEPH STORAGE 3.3	9

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	3.1 and later	The RBD driver supported from version 3.0. The Cinder driver from version 3.1
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 iscsi-initiator-utils and device-mapper-multipath 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	3.1 and later	The RBD driver from version 3.1. The Cinder driver from version 3.1
Red Hat OpenStack Platform	10, 12, and 13	Red Hat Openstack Platform 11 is not supported
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 iscsi-initiator-utils and device-mapper-multipath packages	

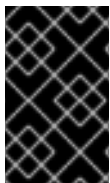
RHCS as a backup target	Version	Notes
NetApp AltaVault	4.3.2 and 4.4	

RHCS as a backup target	Version	Notes
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	3.1 and later	The RBD driver from version 3.1. The Cinder driver from version 3.1
Red Hat OpenStack Platform	10, 12, and 13	Red Hat OpenStack Platform 11 is not supported
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 iscsi-initiator-utils and device-mapper-multipath packages	

RHCS as a backup target	Version	Notes
CommVault	Cloud Data Management v11	

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
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	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	3.1 and later	The RBD and Cinder drivers are supported starting with version 3.1.
Red Hat OpenStack Platform	10, 12, 13, and 14	Red Hat OpenStack Platform 11 is not supported
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 iscsi-initiator-utils and device-mapper-multipath packages	

RHCS as a backup target	Version	Notes
CommVault	Cloud Data Management v11	
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	