

Red Hat Ceph Storage Compatibility

This section describes compatibility of Red Hat Ceph Storage with other products.

Compatibility matrix for Red Hat Ceph Storage 9.0

Use this information for products supported by Red Hat Ceph Storage 9.0.

The following tables list supported compatibility with Red Hat Ceph Storage 9.0.

- [Supported host operating system](#)
- [Supported products](#)
- [Analytics and AI](#)
- [Supported products for Red Hat Ceph Storage as a backup target](#)
- [Independent software vendors](#)
- [Supported S3 endpoints for Object Storage policy based archive and retrieval](#)

Supported host operating system		
Host operating system	Version	Notes
Red Hat Enterprise Linux (RHEL)	• 9.6, 9.7 • 10, 10.1	• Standard lifecycle RHEL is included in the product. • FIPS mode is supported. For more information and access to FIPS builds, contact your Red Hat representative.

Use Ceph client packages included with any currently supported Red Hat Enterprise Linux distribution. Red Hat supports RHEL clients as part of the product subscription. Third party drivers can be utilized with the Red Hat Ceph Storage cluster, with client support from their respective vendor. Ideally, the Ceph client packages should correspond with the Ceph release that is deployed in the Ceph cluster that the client needs to connect to.

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.

Supported products		
Product	Version	Notes
Ansible	Supported in a limited capacity.	Supported for upgrade and conversion to cephadm and for other minimal playbooks.
Red Hat OpenShift Data Foundation	See the Red Hat OpenShift Data Foundation Supportability and Interoperability Checker for detailed external mode version compatibility.	None
Red Hat OpenStack Services on OpenShift	18.0.17 Feature Release 5 or later	Supports Red Hat Ceph Storage or with HyperConverged Infrastructure (HCI).

Product	Version	Notes
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.

<i>Analytics and AI</i>		
Client connector	Version	Notes
Hadoop S3A	2.8.x, 3.2.x, and trunk	None
Polaris Catalog	0.9.0 or later	S3_COMPATIBLE allows Credential Vending (IAM/STS)
Weka Data Platform	3.12.2	None

<i>Supported products for Red Hat Ceph Storage as a backup target</i>		
Red Hat Ceph Storage as a backup target	Version	Notes
CommVault Platform	v11.20 or later	S3 target
IBM Spectrum Protect Plus	10.1.5	None
IBM Spectrum Protect server	8.1.18	S3 target (Object Lock)
NetApp AltaVault	4.3.2 and 4.4	None
Rubrik Cloud Data Management (CDM)	3.2 or later	None
Trilio, TrilioVault	3.0	S3 target
Veeam (object storage)	- Repository Primary Target Veeam v12 - Repository Capacity Target with Immutability Veeam v12	Supported on Red Hat Ceph Storage object storage with the S3 protocol
Veritas NetBackup Cloud Storage	10.x or later	S3 target

<i>Independent software vendors</i>		
Independent software vendors	Version	Notes
IBM Spectrum Discover	2.0.3	None
Komprise Intelligent Data Management	6.3.0 or later	None

<i>External key managers</i>		
External key manager	Version	Notes
IBM Security Key Lifecycle Manager (GKLM/SKLM)	5.1	SSE-KMS

<i>Supported identity providers (SSO)</i>		
Supported identity providers	Version	Notes
Red Hat Build of Keycloak (RHBK)	26.2 or later	Dashboard SSO, Object STS/OIDC auth

<i>Supported S3 endpoints for Object Storage policy based archive and retrieval</i>		
S3 endpoint	Version	Notes
AWS S3	N/A	S3 API

S3 endpoint	Version	Notes
Red Hat Ceph Storage	7.1 or later	S3 API
PoINT Archival Gateway (Tape)	4.1 or later	S3 API

For more information, see [“Policy based data archival and retrieval to S3 compatible platforms” on page 0.](#)

Compatibility matrix for Red Hat Ceph Storage 9.1

Use this information for products supported by Red Hat Ceph Storage 9.1.

The following tables list supported compatibility with Red Hat Ceph Storage 9.1.

- [Supported host operating system](#)
- [Supported products](#)
- [Analytics and AI](#)
- [Supported products for Red Hat Ceph Storage as a backup target](#)
- [Independent software vendors](#)
- [Supported S3 endpoints for Object Storage policy based archive and retrieval](#)

Supported host operating system		
Host operating system	Version	Notes
Red Hat Enterprise Linux (RHEL)	9.8 10.2	- Standard lifecycle RHEL is included in the product. - FIPS mode is supported. For more information and access to FIPS builds, contact your Red Hat representative.

Use Ceph client packages included with any currently supported Red Hat Enterprise Linux distribution. Red Hat supports RHEL clients as part of the product subscription. Third party drivers can be utilized with the Red Hat Ceph Storage cluster, with client support from their respective vendor. Ideally, the Ceph client packages should correspond with the Ceph release that is deployed in the Ceph cluster that the client needs to connect to.

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.

Supported products		
Product	Version	Notes
Ansible	Supported in a limited capacity.	Supported for upgrade and conversion tocephadm and for other minimal playbooks.
Red Hat OpenShift Data Foundation	See the Red Hat OpenShift Data Foundation Supportability and Interoperability Checker for detailed external mode version compatibility.	None
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.

<i>Analytics and AI</i>		
Client connector	Version	Notes
Apache Ranger RAZ (Ranger Authorized Proxy)	CDP Private Cloud Base 7.3.1	S3-compatible datasource via Hadoop S3A. Kerberos/SPNEGO authentication with Ranger policy enforcement. Static S3 credentials are supported. STS AssumeRole is not supported. Virtual-hosted-style S3 access is required.
Hadoop S3A	2.8.x, 3.2.x, and trunk	None
Polaris Catalog	0.9.0 or later	S3_COMPATIBLE allows Credential Vending (IAM/STS)
Weka Data Platform	3.12.2	None

<i>Supported products for Red Hat Ceph Storage as a backup target</i>		
Red Hat Ceph Storage as a backup target	Version	Notes
CommVault Platform	v11.20 or later	S3 target
IBM Storage Protect	8.1.18	S3 target (Object Lock)
NetApp AltaVault	4.3.2 and 4.4	None
Rubrik Cloud Data Management (CDM)	3.2 or later	None
Trilio, TrilioVault	3.0	S3 target
Veeam (object storage)	- Repository Primary Target Veeam v12 - Repository Capacity Target with Immutability Veeam v12	Supported on Red Hat Ceph Storage object storage with the S3 protocol
Veritas NetBackup Cloud Storage	10.x or later	S3 target

<i>Independent software vendors</i>		
Independent software vendors	Version	Notes
IBM Fusion Data Catalog	2.0.3	None
Komprise Intelligent Data Management	6.3.0 or later	None

<i>Supported S3 endpoints for Object Storage policy based archive and retrieval</i>		
S3 endpoint	Version	Notes
AWS S3	N/A	S3 API
Red Hat Ceph Storage	7.1 or later	S3 API
PoINT Archival Gateway (Tape)	4.1 or later	S3 API

For more information, see [“Policy based data archival and retrieval to S3 compatible platforms” on page 0.](#)