

Configuration of Hitachi Content Platform for Cloud scale (HCP CS) with Enterprise Vault as Primary S3 storage

May 2023

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Abstract:

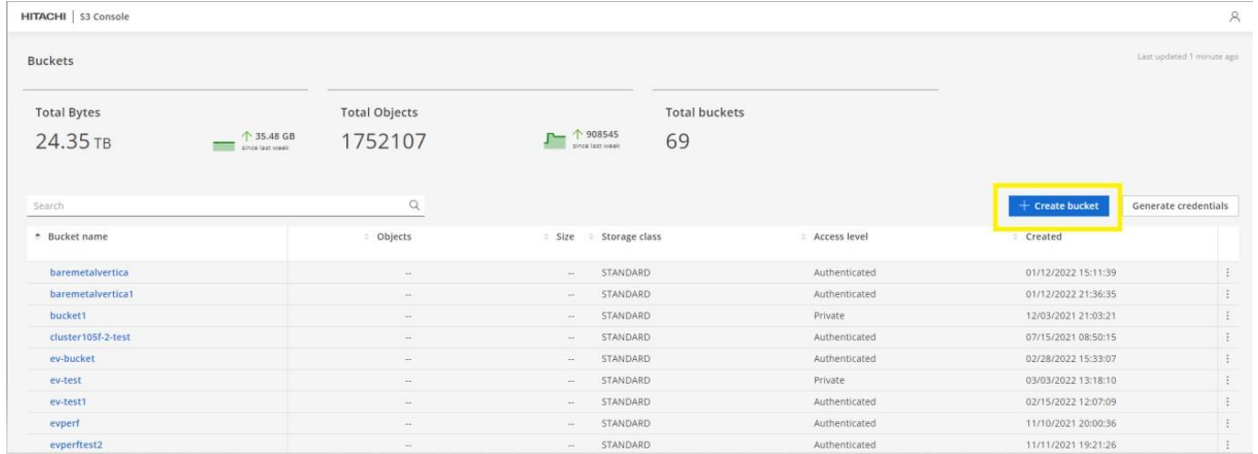
This guide provides the steps on how to create HCP CS WORM/NON-WORM bucket and to configure HCP CS as a Primary S3 storage target with Veritas Enterprise Vault.

Revision History

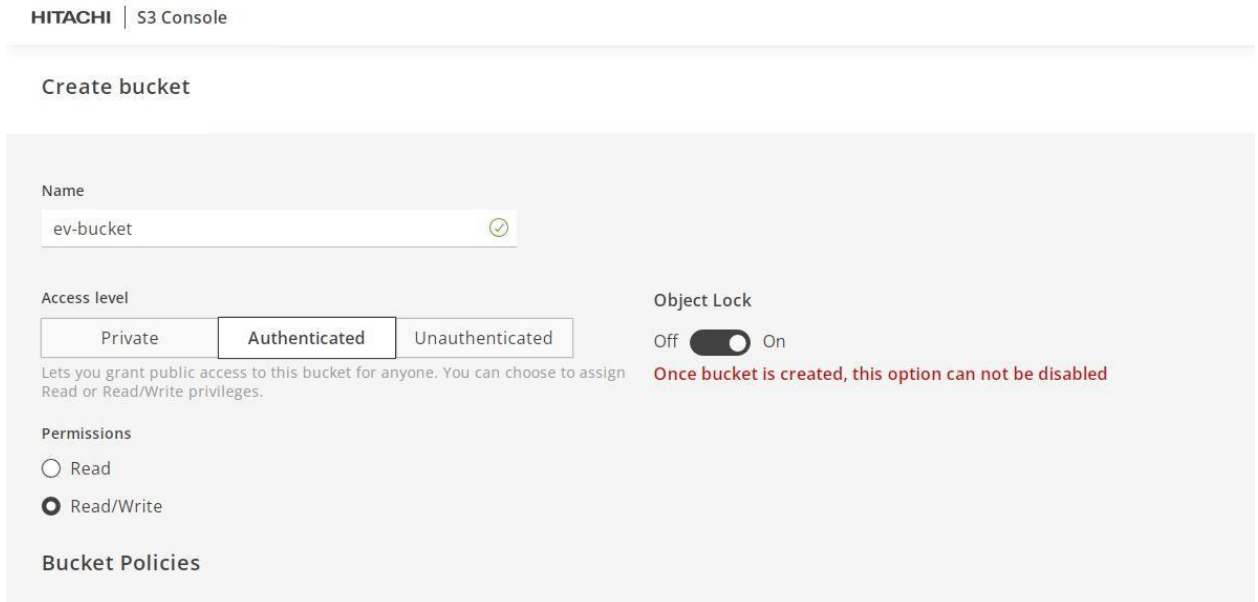
Version	Date	Description	Author	Reviewers
1.0	30 May 2023	Configuration of Hitachi Content Platform for Cloud scale (HCP CS) with Enterprise Vault as Primary S3 storage	Dipayan Sarkar -Hitachi Vantara	Rahul Patil -Veritas

Create HCP CS Object Lock (WORM) Bucket

1. Navigate to S3 console of HCP CS and click on the “Create Bucket” to proceed with Bucket creation.



2. Provide the Bucket name and turn on the **Object lock**, select Authenticated and Read/write under permissions.



3. Make sure the Expiration Life cycle is set to "None".

Create bucket Create Cancel

Name: ev-test ✓

Access level: Private **Authenticated** Unauthenticated

Object Lock: Off On **Once bucket is created, this option can not be disabled**

Permissions: Read **Read/Write**

Bucket Policies

- Expiration Lifecycle**
Lets you define when objects expire.
Configured rules: **None** Configure
- Sync-to Replication**
Lets you enable automatic copying of objects to remote buckets.
You cannot apply both Sync-to and Sync-from replications to the same bucket.
Configured rules: None Configure
- Sync-from Replication**
Lets you enable automatic copying of objects from remote buckets.
You cannot apply both Sync-to and Sync-from replications to the same bucket.
Configured rules: None Configure

4. Click on Object Lock Configure, turn on the Retention and set Retention period as "1 day" and click on Done.

HITACHI | S3 Console ?

Object lock policy Done Cancel

Retention mode: Compliance

Default Retention

Off On

Turning on default retention allows a default retention period to be set

Retention period: 1 Retention period in days

- Verify all the configurations and click on the Create button to create Bucket with given configurations.

Create bucket Create Cancel

ev-test

Access level: Private **Authenticated** Unauthenticated

Object Lock: Off On
Once bucket is created, this option can not be disabled

Permissions: Read Read/Write

Bucket Policies

Expiration Lifecycle
Lets you define when objects expire.

Configured rules: None

Configure

Sync-to Replication
Lets you enable automatic copying of objects to remote buckets.

Configured rules: None

Configure

Sync-from Replication
Lets you enable automatic copying of objects from remote buckets.

Configured rules: None

Configure

Object Lock
Lets you set a retention period for objects in the bucket.

Retention period: 1 days

- Make sure the Bucket gets created without any errors and listed under Buckets in S3 console.

Buckets Last updated 1 minute ago

Total Bytes: 24.35 TB Total Objects: 1752107 Total buckets: 69

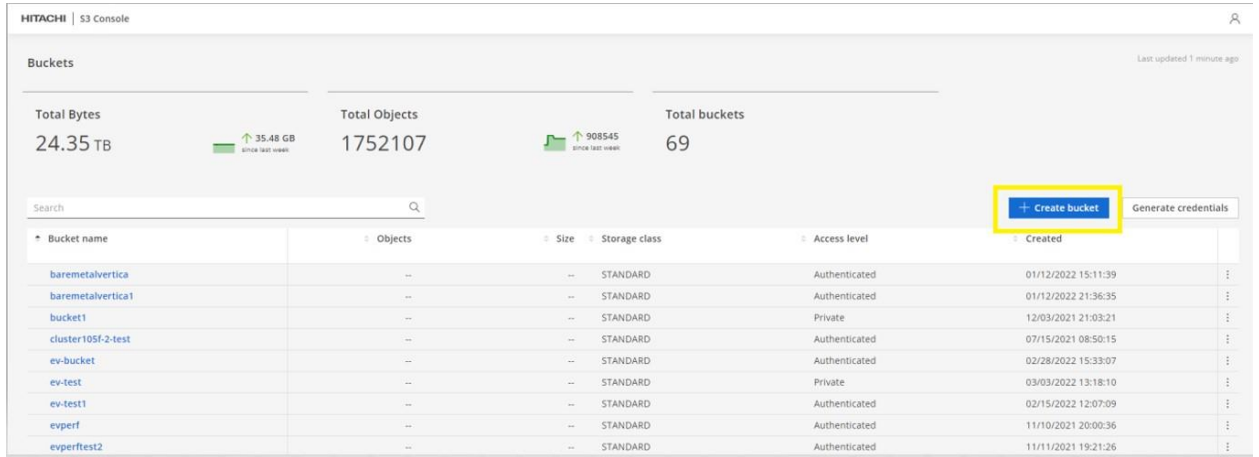
Search: + Create bucket Generate credentials

Bucket name	Objects	Size	Storage class	Access level	Created
baremetalvertica	--	--	STANDARD	Authenticated	01/12/2022 15:11:39
baremetalvertica1	--	--	STANDARD	Authenticated	01/12/2022 21:36:35
bucket1	--	--	STANDARD	Private	12/03/2021 21:03:21
cluster105f-2-test	--	--	STANDARD	Authenticated	07/15/2021 08:50:15
ev-bucket	--	--	STANDARD	Authenticated	02/28/2022 15:33:07
ev-test	--	--	STANDARD	Private	03/03/2022 13:18:10
ev-test1	--	--	STANDARD	Authenticated	02/15/2022 12:07:09
evperf	--	--	STANDARD	Authenticated	11/10/2021 20:00:36
evperftest2	--	--	STANDARD	Authenticated	11/11/2021 19:21:26
evperfwormtest	--	--	STANDARD	Authenticated	11/11/2021 15:09:24

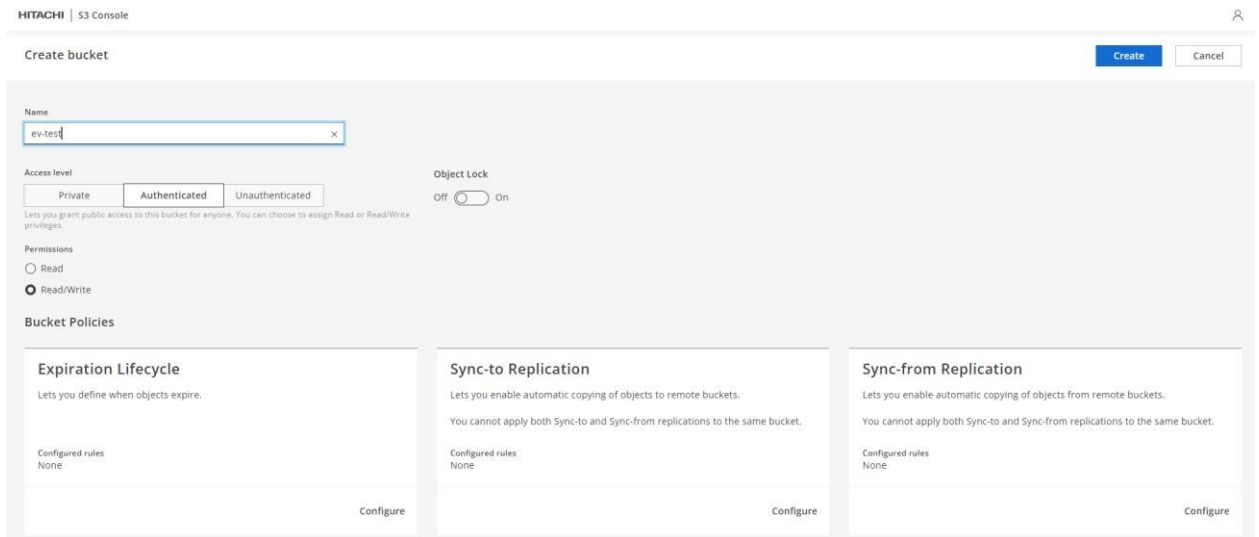
Show 10 rows 1 of 7

Create HCP CS Non-WORM Bucket

1. Navigate to S3 console of HCP CS and click on the “Create Bucket” to proceed with Bucket creation.



2. Provide the Bucket name, select Authenticated and Read/write under permissions and ensure that object lock is turned off.



3. Make sure the Expiration Life cycle is set to "None".

Create bucket Create Cancel

Name: ev-test ✓

Access level: Private | **Authenticated** | Unauthenticated

Object Lock: Off On

Permissions: Read | Read/Write

Bucket Policies

- Expiration Lifecycle**
Lets you define when objects expire.
Configured rules: **None** (highlighted)
Configure
- Sync-to Replication**
Lets you enable automatic copying of objects to remote buckets.
You cannot apply both Sync-to and Sync-from replications to the same bucket.
Configured rules: None
Configure
- Sync-from Replication**
Lets you enable automatic copying of objects from remote buckets.
You cannot apply both Sync-to and Sync-from replications to the same bucket.
Configured rules: None
Configure

4. Click on the Create button to create Bucket with given configurations.

Create bucket Create Cancel

Name: ev-test ✓

Access level: Private | **Authenticated** | Unauthenticated

Object Lock: Off On (highlighted)

Permissions: Read | Read/Write

Bucket Policies

- Expiration Lifecycle**
Lets you define when objects expire.
Configured rules: **None** (highlighted)
Configure
- Sync-to Replication**
Lets you enable automatic copying of objects to remote buckets.
You cannot apply both Sync-to and Sync-from replications to the same bucket.
Configured rules: None
Configure
- Sync-from Replication**
Lets you enable automatic copying of objects from remote buckets.
You cannot apply both Sync-to and Sync-from replications to the same bucket.
Configured rules: None
Configure

5. Make sure the Bucket gets created without any errors and listed under Buckets in S3 console.

The screenshot shows the AWS S3 console 'Buckets' page. At the top, there are summary statistics: Total Bytes (24.35 TB), Total Objects (1752107), and Total buckets (69). Below this is a search bar and two buttons: '+ Create bucket' and 'Generate credentials'. The main part of the page is a table with columns: Bucket name, Objects, Size, Storage class, Access level, and Created. The 'ev-test' bucket is highlighted in yellow. The table contains the following data:

Bucket name	Objects	Size	Storage class	Access level	Created
baremetalvertica	--	--	STANDARD	Authenticated	01/12/2022 15:11:39
baremetalvertica1	--	--	STANDARD	Authenticated	01/12/2022 21:36:35
bucket1	--	--	STANDARD	Private	12/03/2021 21:03:21
cluster105f-2-test	--	--	STANDARD	Authenticated	07/15/2021 08:50:15
ev-bucket	--	--	STANDARD	Authenticated	02/28/2022 15:33:07
ev-test	--	--	STANDARD	Private	03/03/2022 13:18:10
ev-test1	--	--	STANDARD	Authenticated	02/15/2022 12:07:09
evperf	--	--	STANDARD	Authenticated	11/10/2021 20:00:36
evperftest2	--	--	STANDARD	Authenticated	11/11/2021 19:21:26
evperfwormtest	--	--	STANDARD	Authenticated	11/11/2021 15:09:24

Configure HCP CS as Veritas Enterprise Vault Partition

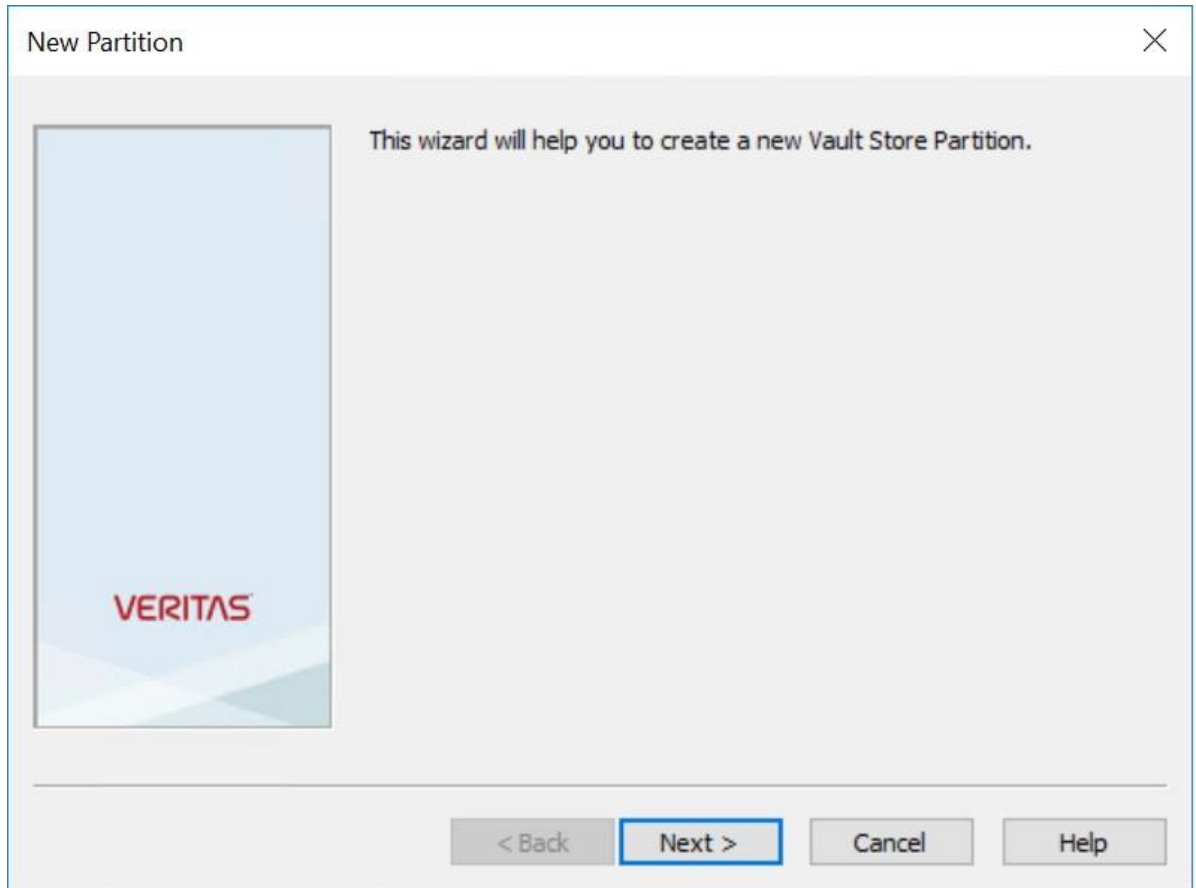
Before configuring the HCP-CS (WORM/NON-WORM bucket) as primary partition, complete the following steps:

- Keep your HCP CS Access Key ID and Secret Access Key ready.
- Ensure that the S3 bucket that needs to be configured with the primary partition has been created on the HCP CS storage, and that you know the name of your bucket.

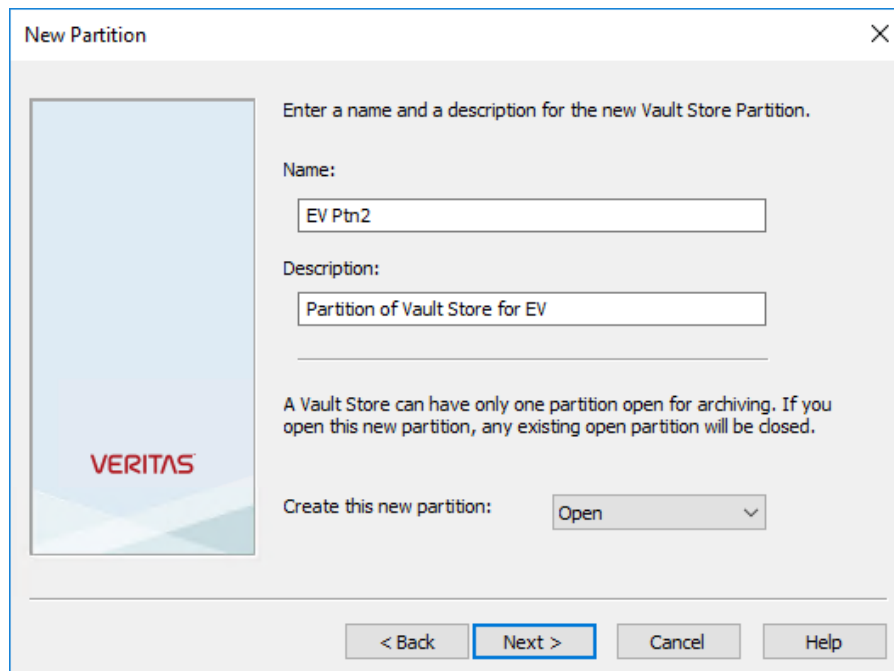
Note: Enterprise Vault archive policies employ specific fixed retention dates of up to 100 years and do not use the forever default policy because infinite retention is not supported by HCP-CS.

Add a new EV partition with HCP-CS

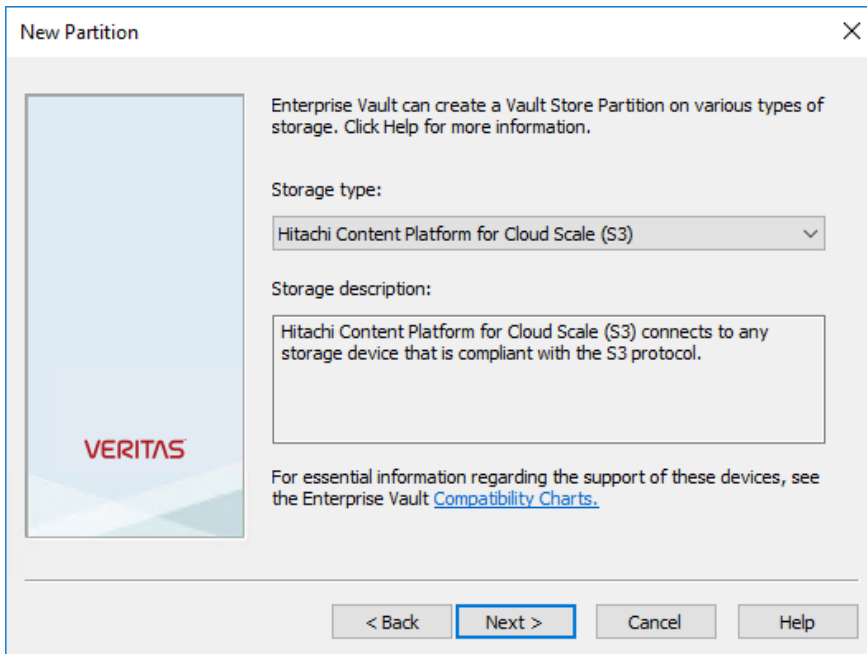
1. Launch the Enterprise Vault Administration console.
2. In the left pane of the Administration console, Expand the vault store in which you want to create the partition.
3. Right-click the Partitions container, and then click New > Partition. The New Partition wizard starts and Click Next.



4. Provide the name and description for the partition, Click Next

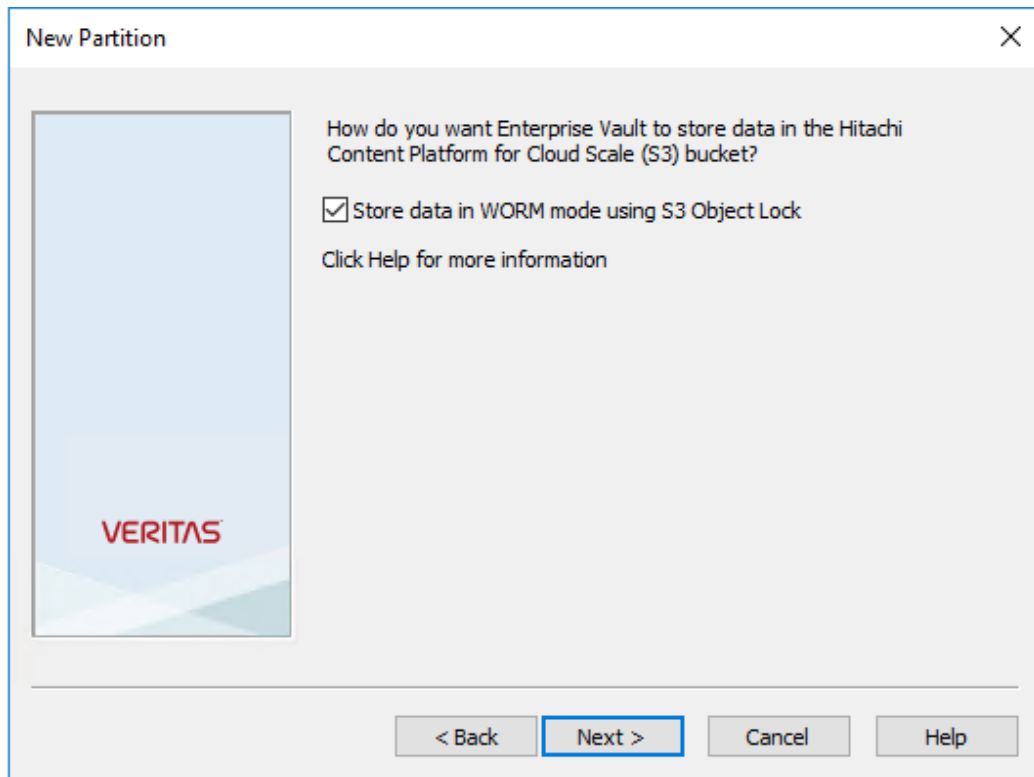


5. Select "Hitachi Content Platform(S3)" from the storage type drop-down menu. Click Next



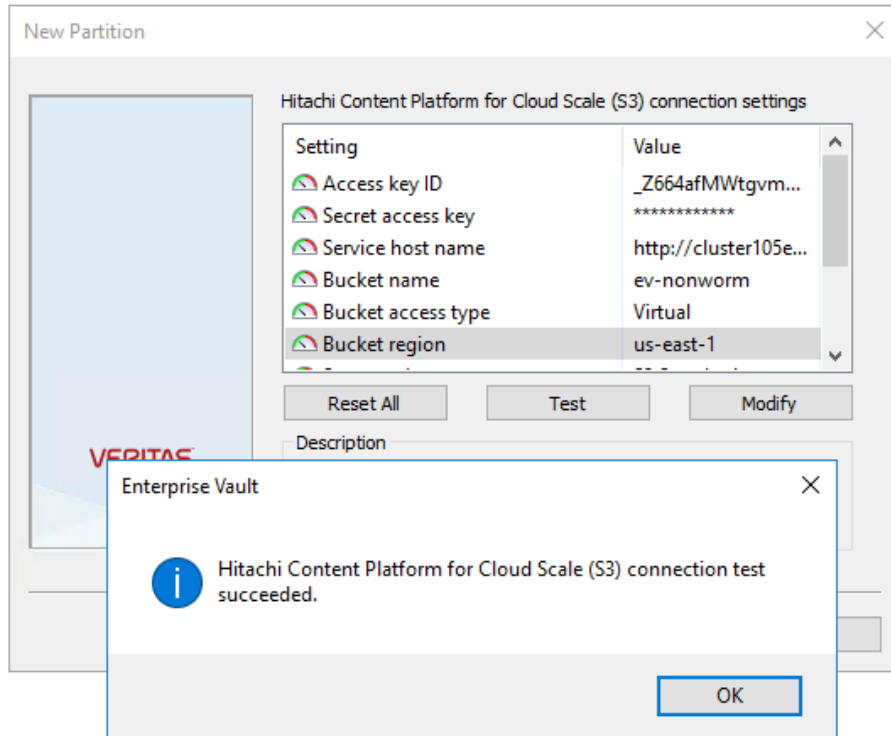
6. To configure HCP CS Object Lock (WORM) bucket as Primary s3 storage target, Select the "Store data in the WORM mode using S3 Object Lock".

7. To configure HCP CS NON-WORM bucket as Primary s3 storage target, Leave the “Store data in the WORM mode using S3 Object Lock” Unchecked. 8. Click Next

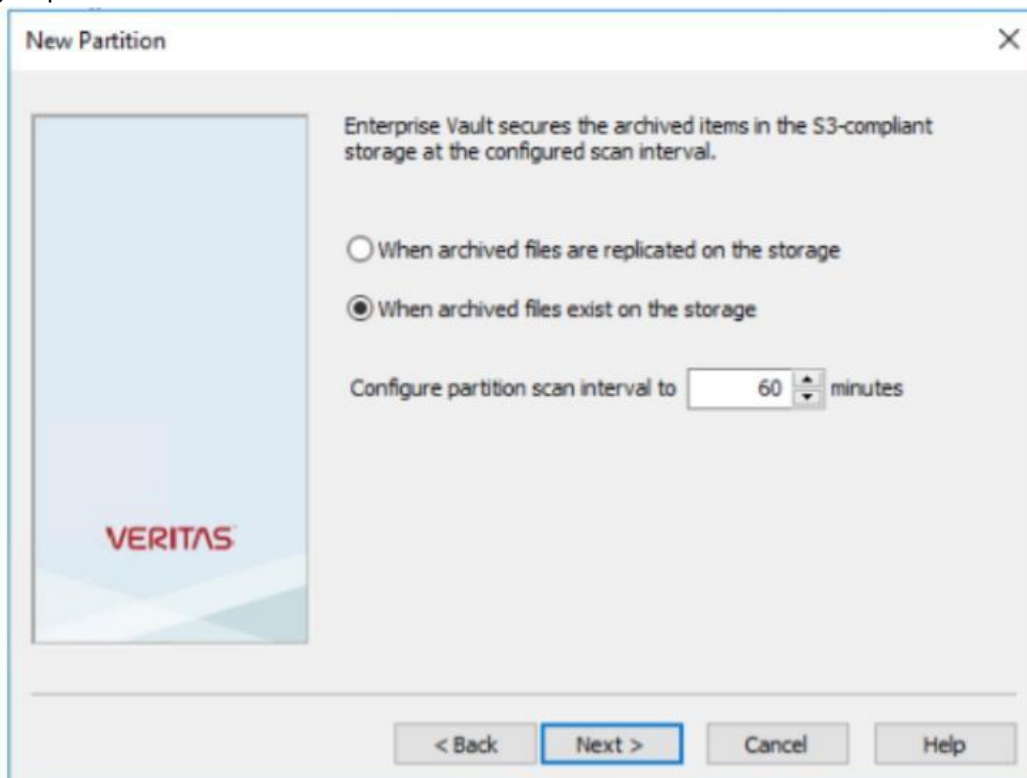


9. On the connection settings page, provide the following information:
- Access key ID
 - Secret access key
 - Service host name:(http://<cluster Host name>)
 - Bucket name: Name of the pre-created target HCP CS bucket.
 - Bucket region: Specify the Geographical region where the bucket is created (Example: us-east-1)
 - For more details on additional properties, please Refer:
https://www.veritas.com/content/support/en_US/doc/143662409-1436624120/v149448814-143662412

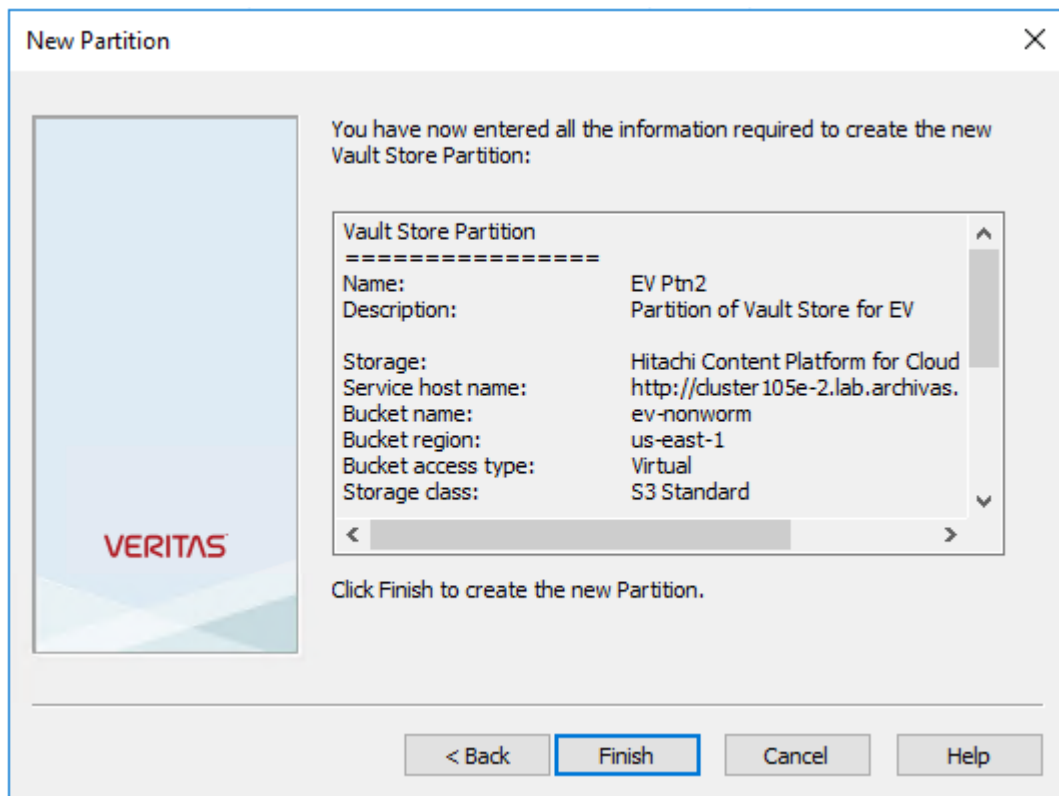
10. To verify the connection to the HCP CS bucket, click Test. Verify that the connection test was successful. Click OK and then Next.



11. HCP CS does not support the S3 replication. so, Select the When Archived Files Exist on the Storage Option and click Next.



12. Verify the information on the summary page and click Finish and ensure that created partition lists under the vault store partitions.



13. HCP-CS has now been added as Primary S3 Vault Store Partition and ready for data archival.

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