

The background of the top half of the page is an abstract 3D visualization of data. It features a dense grid of vertical bars of varying heights, creating a landscape-like effect. The colors transition from warm oranges and reds on the left to cool blues and purples on the right.

# **Configuration of Hitachi Content Platform with Enterprise Vault as Primary S3 Storage**

Content Engineering

v1.0.0 – June 2024

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## Abstract:

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

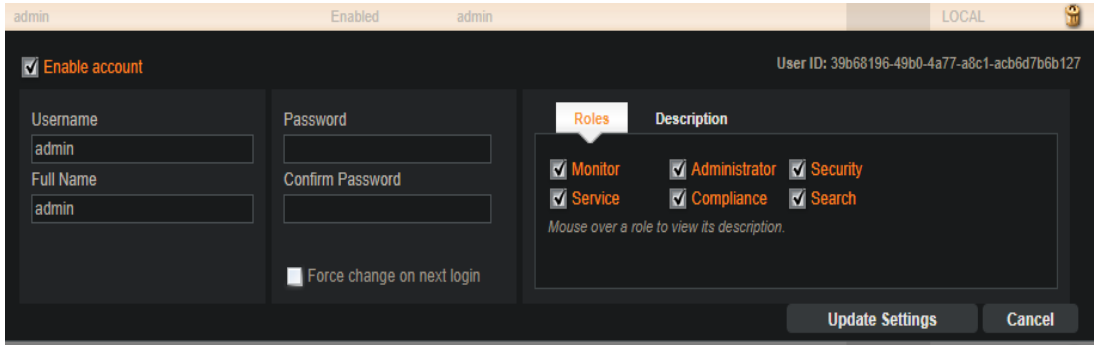
## Revision History

Version	Date	Description	Author	Reviewers
1.0	06 June 2024	Configuration of Hitachi Content Platform with Enterprise Vault as Primary S3 storage	Snehansh Verma - Hitachi Vantara	Rahul Patil - Veritas

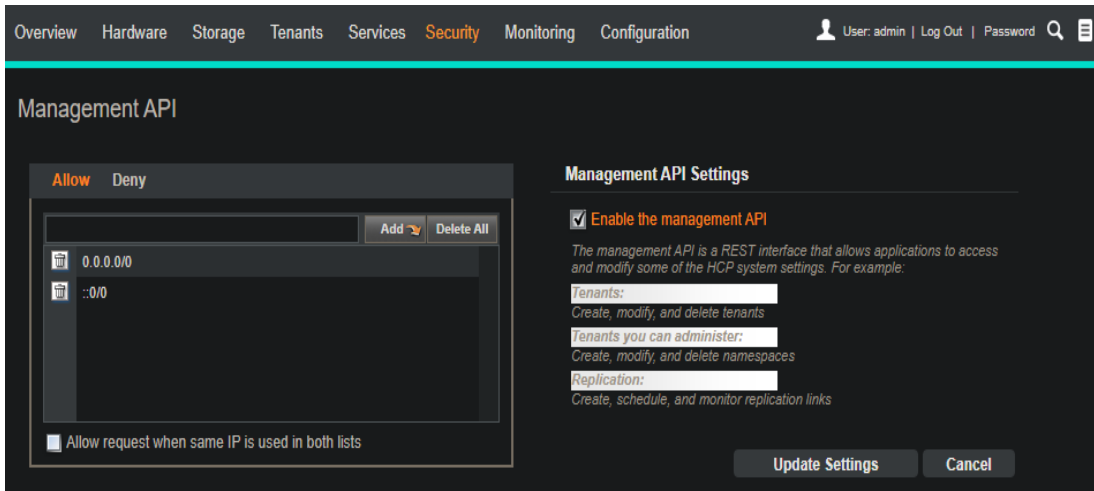
## Tenant Settings

(Prerequisites for WORM and NON-WORM Bucket creation)

1. Navigate to System Management console of HCP and hover over Security. Select the user and make sure it has the following roles assigned.

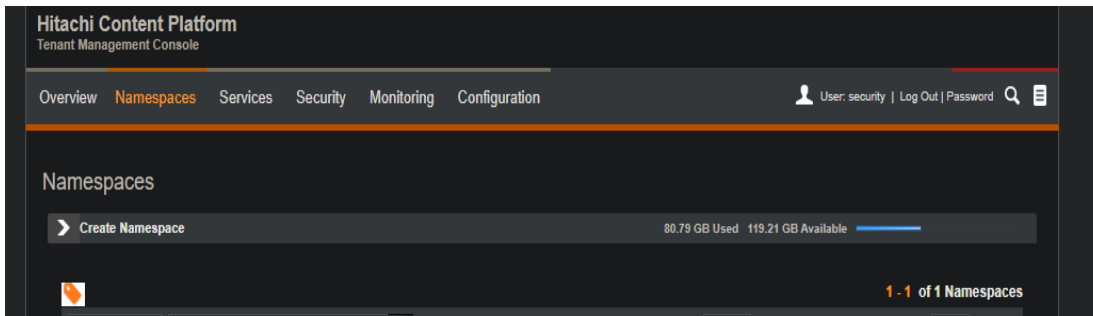


2. Hover over Security and select MAPI. Click the checkbox Enable the Management API (Perform the same at Tenant Management Console as well).

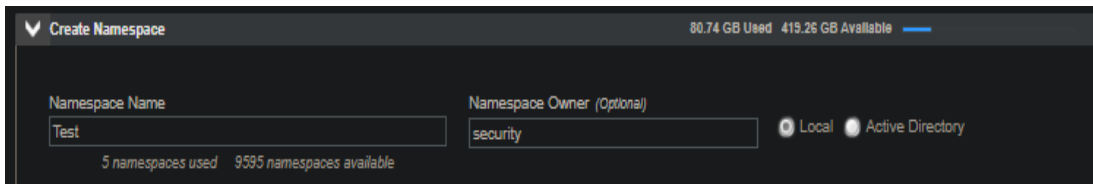


## Create HCP Object Lock (WORM) Namespace

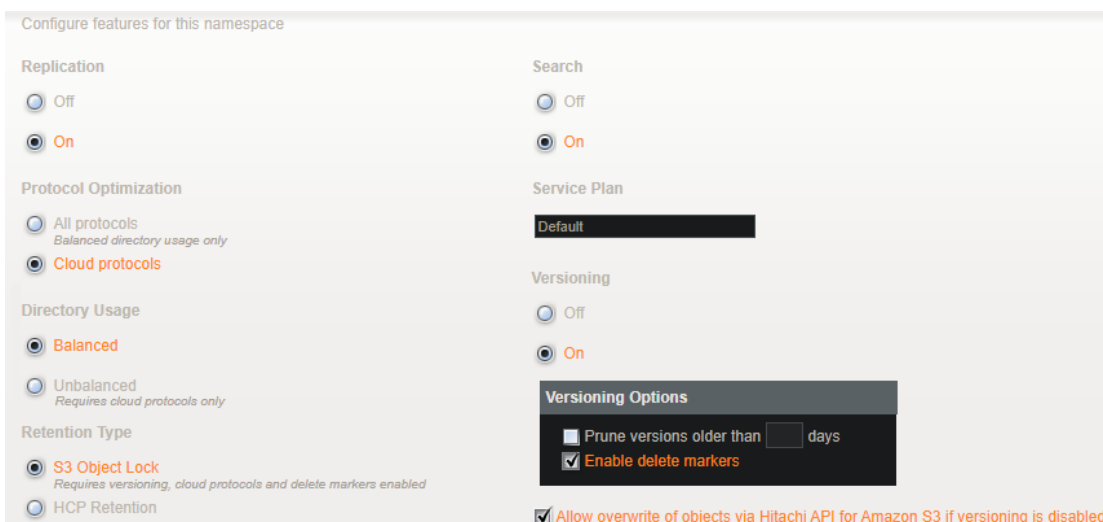
1. Navigate to Tenant Management console of HCP and click on the "Create Namespace" to proceed with Namespace creation.



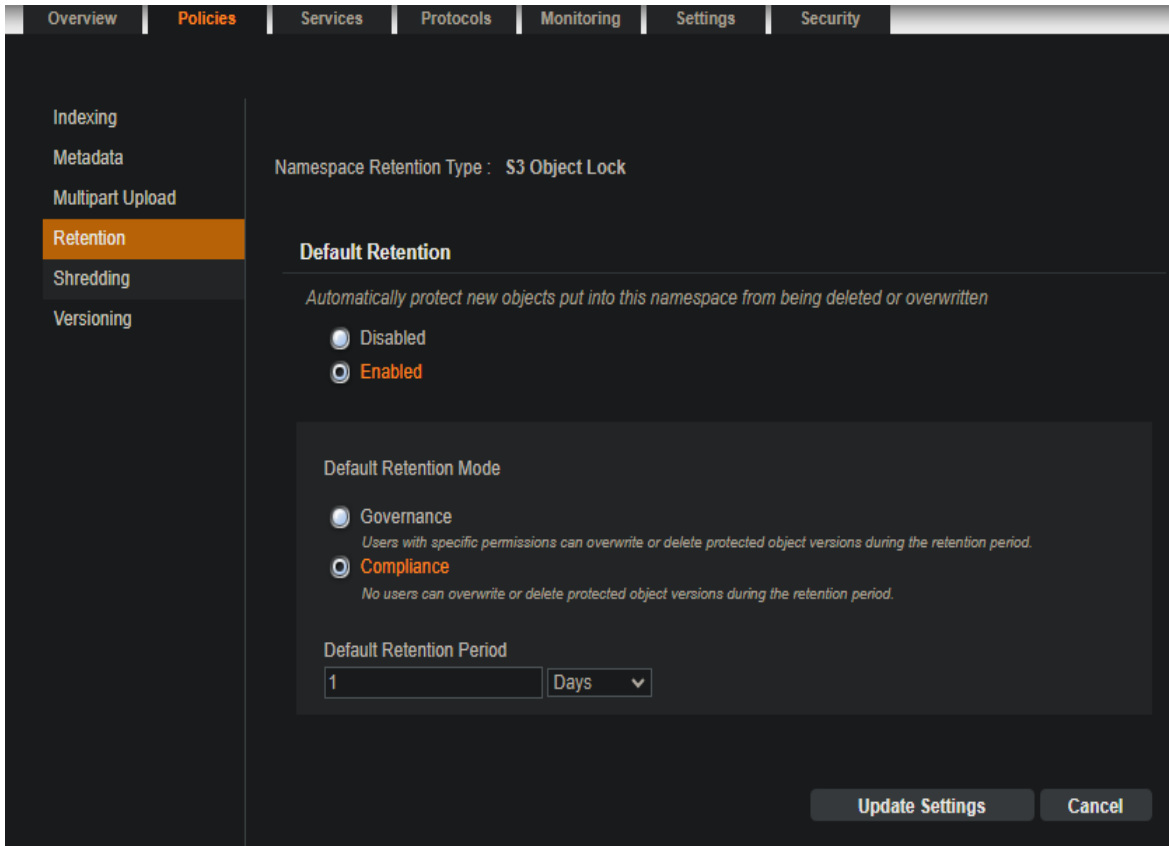
2. Make sure to provide the Namespace owner.



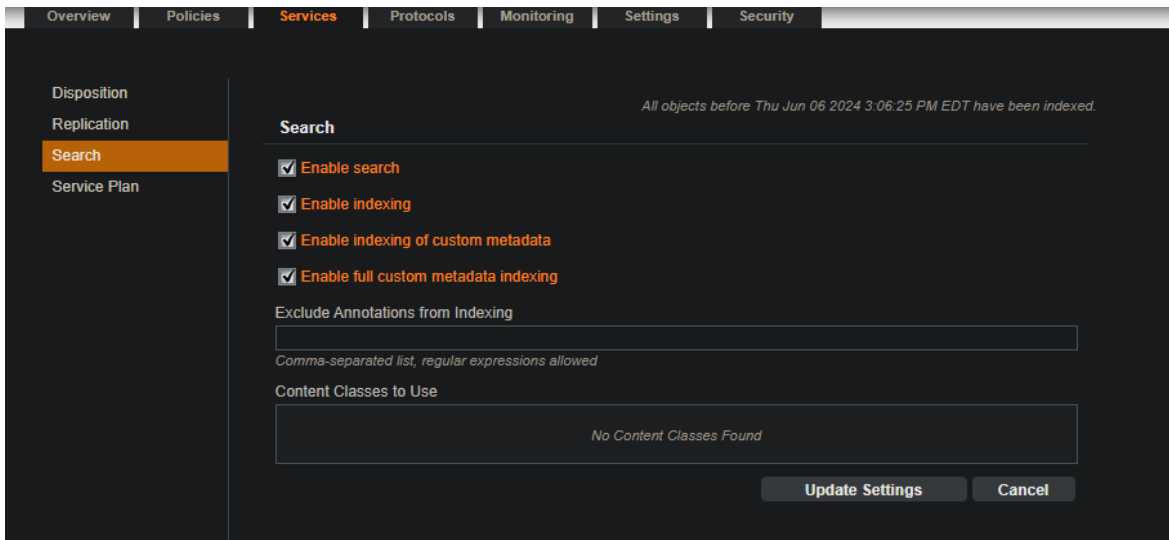
3. Provide the Namespace name and turn on the S3 **Object lock**, select Search as ON and enable "Allow overwrite of objects via Hitachi API for Amazon S3 if versioning is disabled".



- Click on Policies, turn on the Retention (Enabled) and set Retention period as "1 day", change Default Retention mode to Compliance and click on Update Settings.

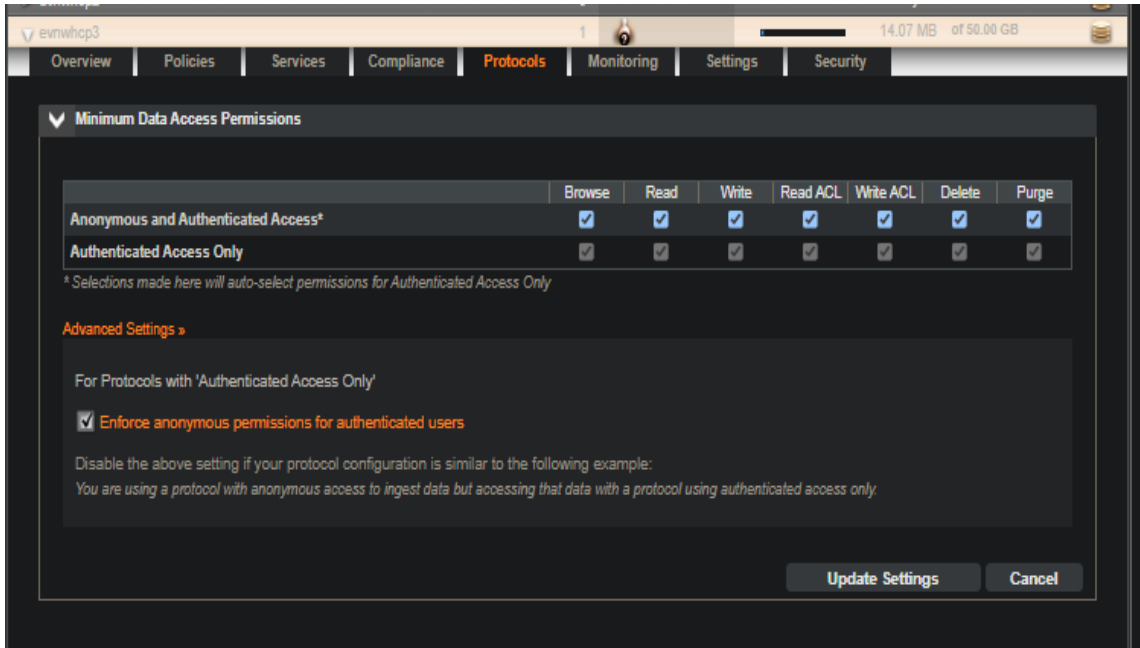


- Verify Search has been Enabled on all the options under Services.

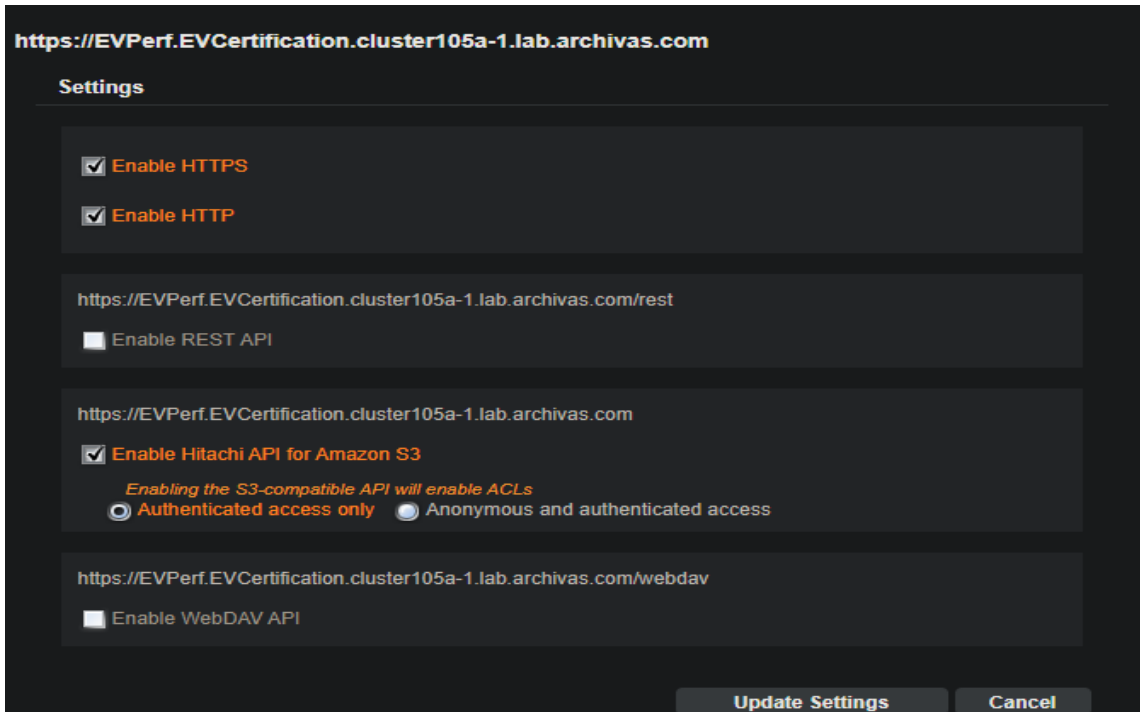




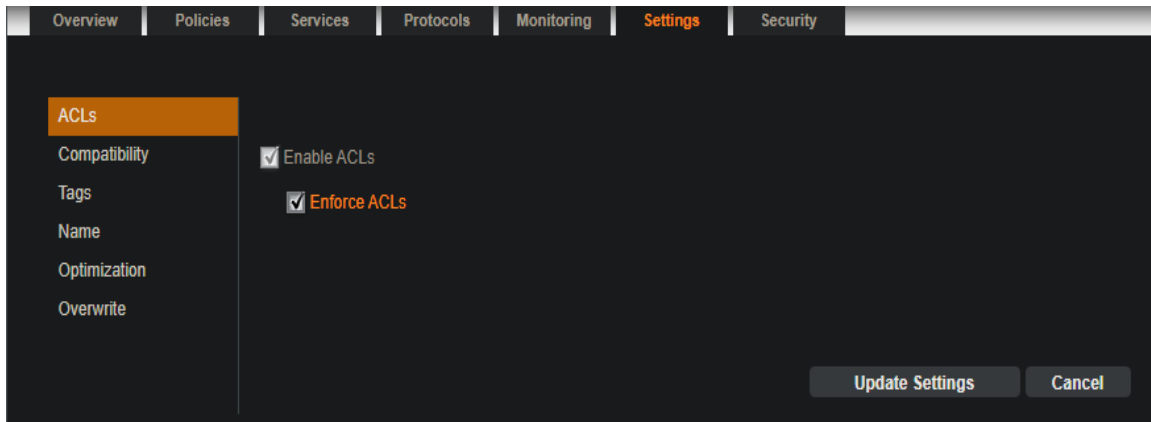
6. Make sure the Minimum Data Access Setting has all permissions enabled.



7. Make sure the following protocols have been enabled.



8. Enable Enforce ACL under Settings.

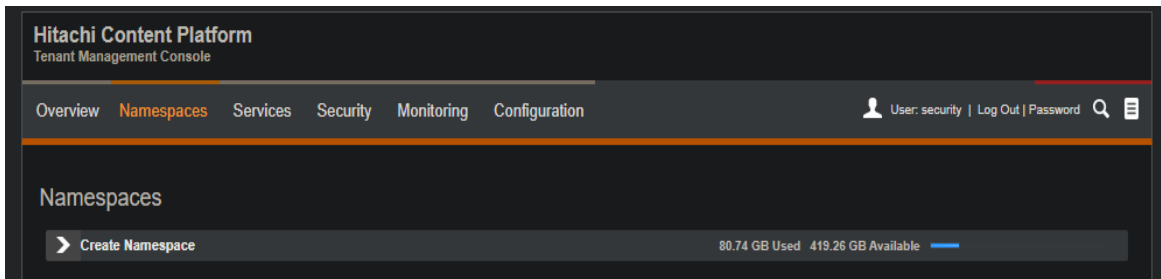


9. Make sure the Namespace gets created without any errors and listed under Namespaces in S3 Console.

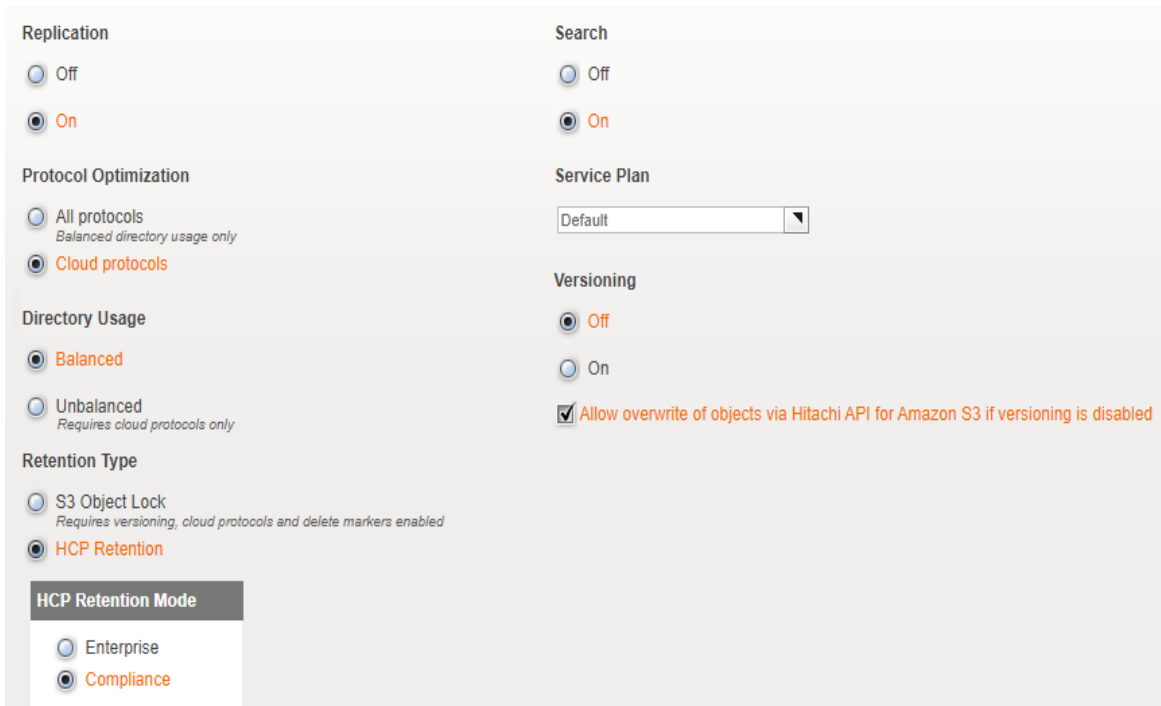


## Create HCP Non-WORM Namespace

1. Navigate to HCP Tenant Management Console and click on the "Create Namespace" to proceed with Namespace creation.



2. Provide the Namespace name and storage, select Replication ON, Protocol Optimization as Cloud Protocol, Directory Usage as Balanced, Retention Type as HCP Retention, Search ON and Versioning OFF, but enable "Allow overwrite of objects via Hitachi API for Amazon S3 if versioning is disabled".



3. Make sure to provide the Namespace owner.

▼ Create Namespace 80.74 GB Used 419.26 GB Available

Namespace Name:  Namespace Owner (Optional):   Local  Active Directory

5 namespaces used 9595 namespaces available

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

**Replication**  
 Off  
 On

**Protocol Optimization**  
 All protocols  
*Balanced directory usage only*  
 Cloud protocols

**Directory Usage**  
 Balanced  
 Unbalanced  
*Requires cloud protocols only*

**Retention Type**  
 S3 Object Lock  
*Requires versioning, cloud protocols and delete markers enabled*  
 HCP Retention

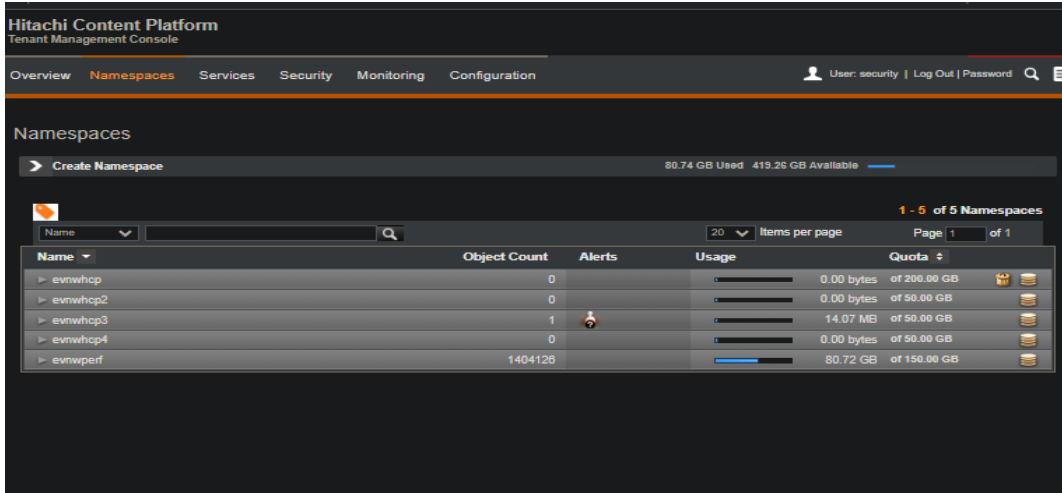
**HCP Retention Mode**  
 Enterprise  
 Compliance

**Search**  
 Off  
 On

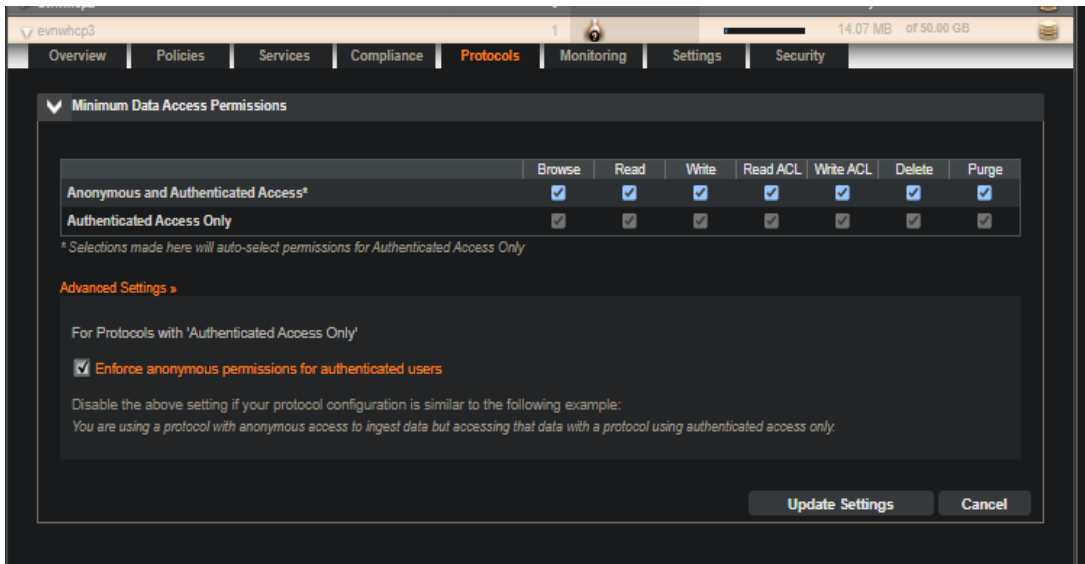
**Service Plan**  
Default

**Versioning**  
 Off  
 On  
 Allow overwrite of objects via Hitachi API for Amazon S3 if versioning is disabled

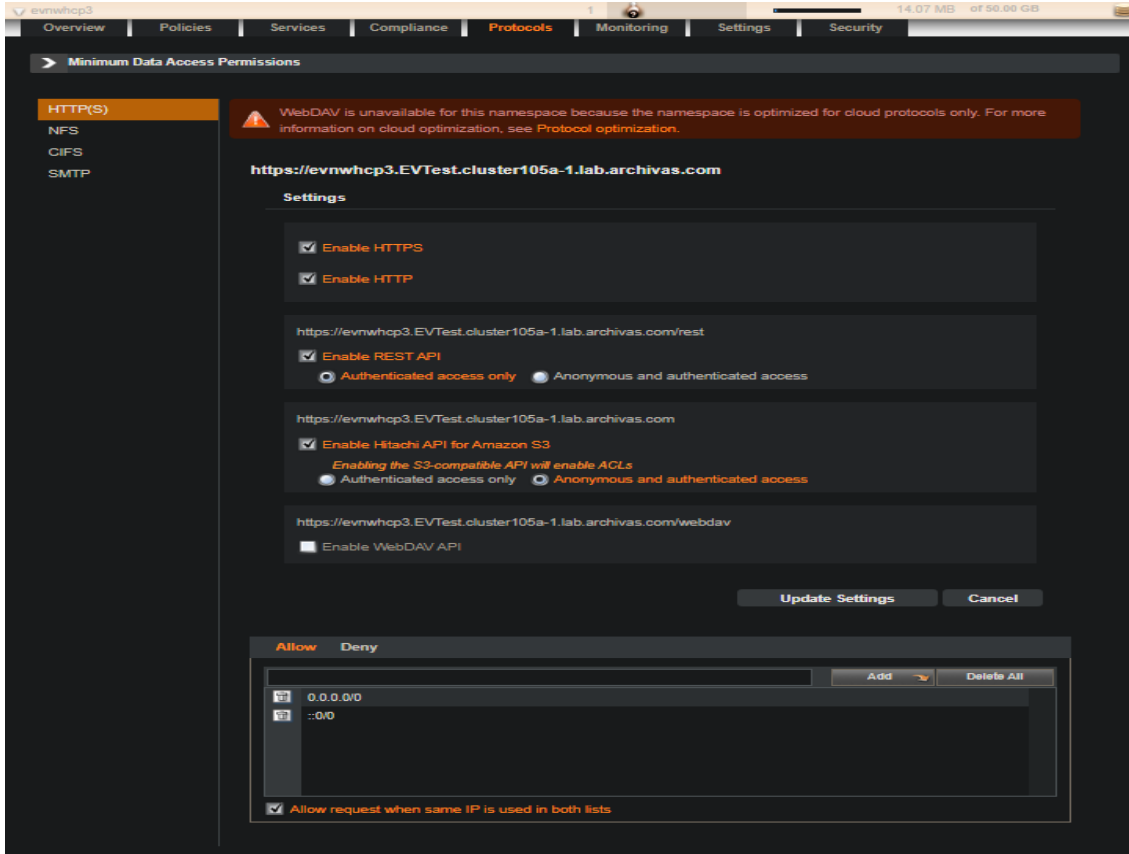
- Make sure the Namespace gets created without any errors and listed under Namespace in Tenant Management console.



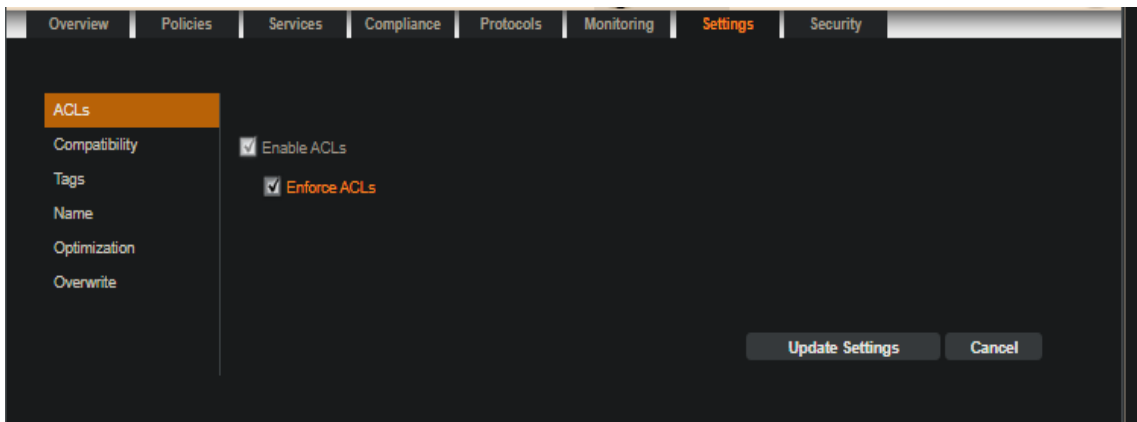
- Make sure the Minimum Data Access Setting has all permissions enabled.



7. Please ensure all the following Protocols are enabled.



8. Make sure ACL settings are enforced.



## Configure HCP as Veritas Enterprise Vault Partition

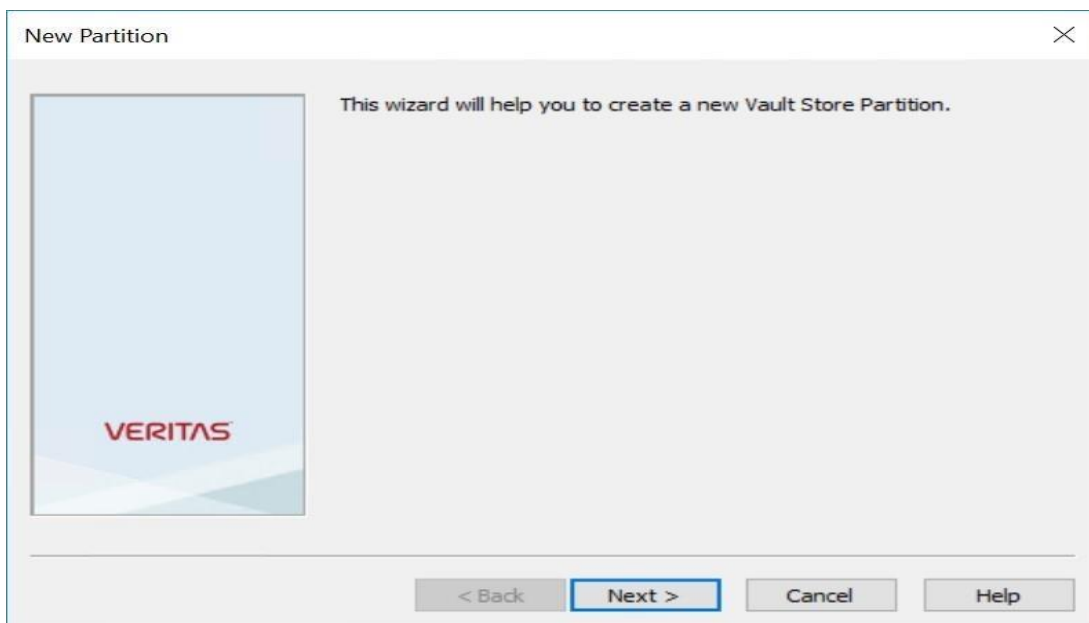
Before configuring the HCP (WORM/NON-WORM namespace) as primary partition, complete the following steps:

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

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.

### Add a new EV partition with HCP

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.

New Partition

Enter a name and a description for the new Vault Store Partition.

Name:  
EV Ptn2

Description:  
Partition of Vault Store for EV

A Vault Store can have only one partition open for archiving. If you open this new partition, any existing open partition will be closed.

Create this new partition: Open

< Back Next > Cancel Help

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

New Partition

Enterprise Vault can create a Vault Store Partition on various types of storage. Click Help for more information.

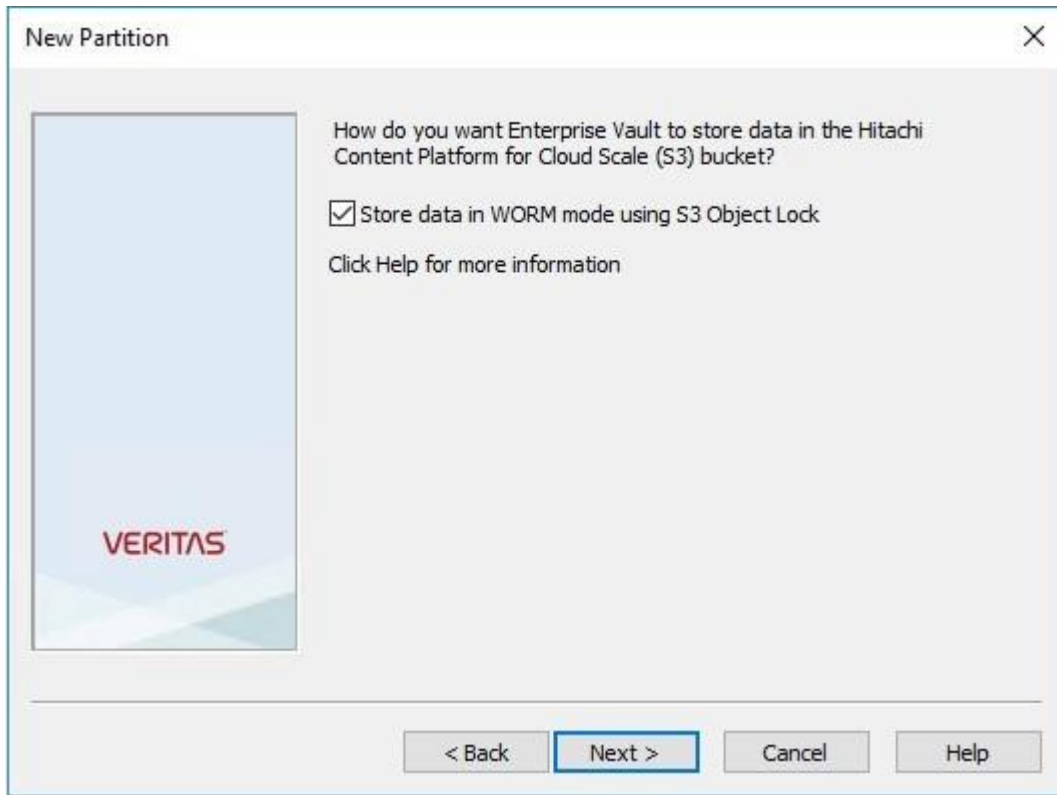
Storage type:  
Hitachi Content Platform for Cloud Scale (S3)

Storage description:  
Hitachi Content Platform for Cloud Scale (S3) connects to any storage device that is compliant with the S3 protocol.

For essential information regarding the support of these devices, see the Enterprise Vault [Compatibility Charts](#).

< Back Next > Cancel Help

6. To configure HCP Object Lock (WORM) namespace as Primary S3 storage target, Select the "Store data in the WORM mode using S3 Object Lock".
7. To configure HCP CS NON-WORM namespace as Primary S3 storage target, Leave the "Store data in the WORM mode using S3 Object Lock" Unchecked.
8. Click Next.



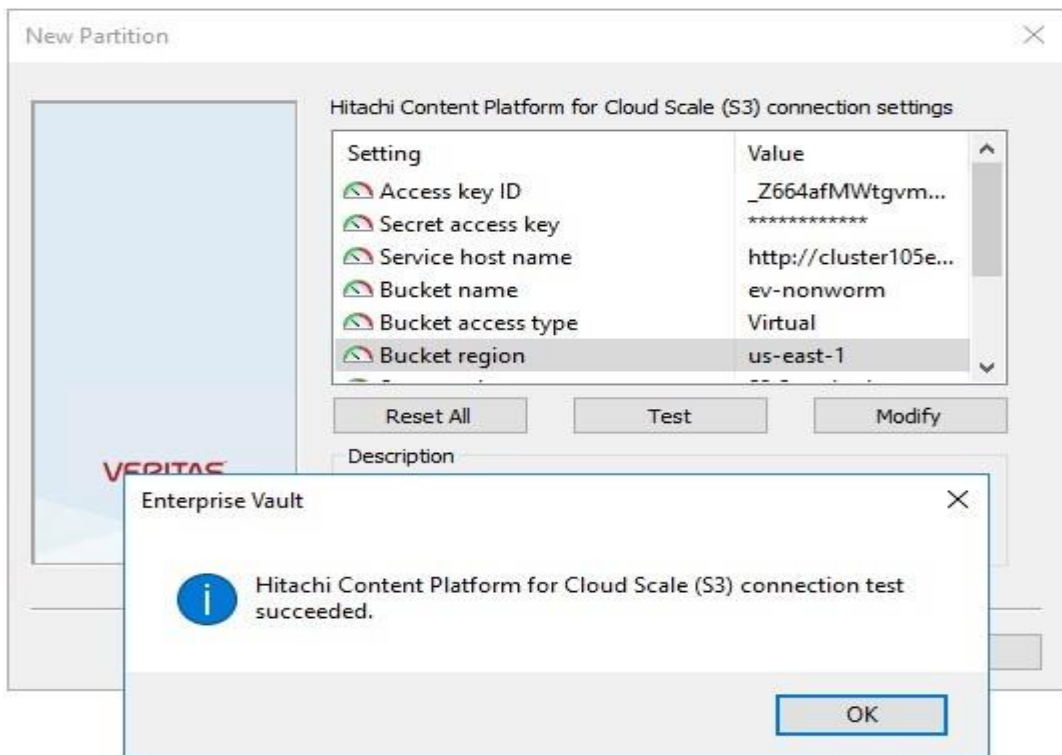
9. On the connection settings page, provide the following information:
  - o Access key ID
  - o Secret access key
  - o Service host name:(http://<cluster Host name>)
  - o Namespace name: Name of the pre-created target HCP namespace.
  - o Namespace region: Specify the Geographical region where the namespace is created (Example: us-east-1)

For more details on additional properties, please Refer:

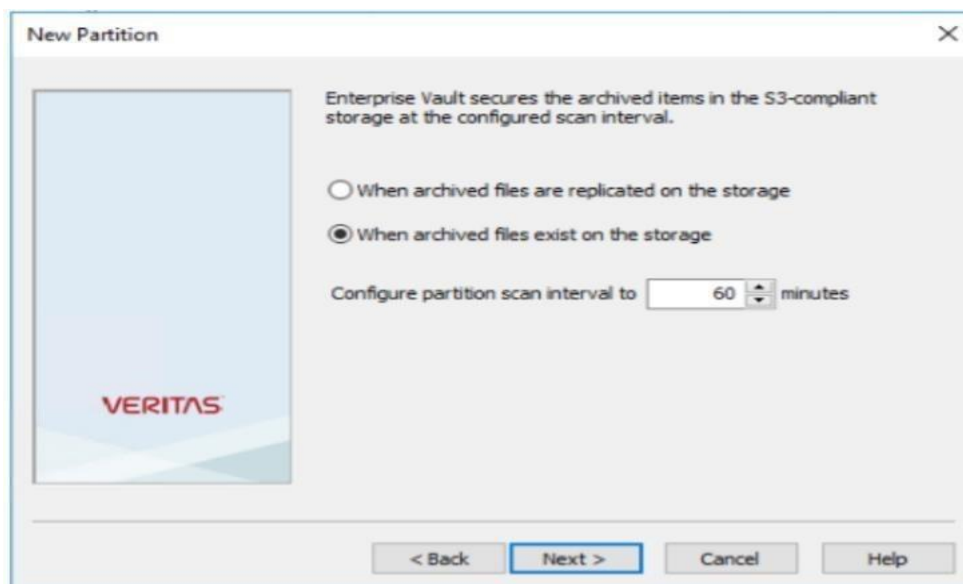
[https://www.veritas.com/content/support/en\\_US/doc/143662409-1436624120/v149448814](https://www.veritas.com/content/support/en_US/doc/143662409-1436624120/v149448814)  
[https://www.veritas.com/content/support/en\\_US/doc/143662409-143662412-0/v149448814-143662412143662412](https://www.veritas.com/content/support/en_US/doc/143662409-143662412-0/v149448814-143662412143662412)



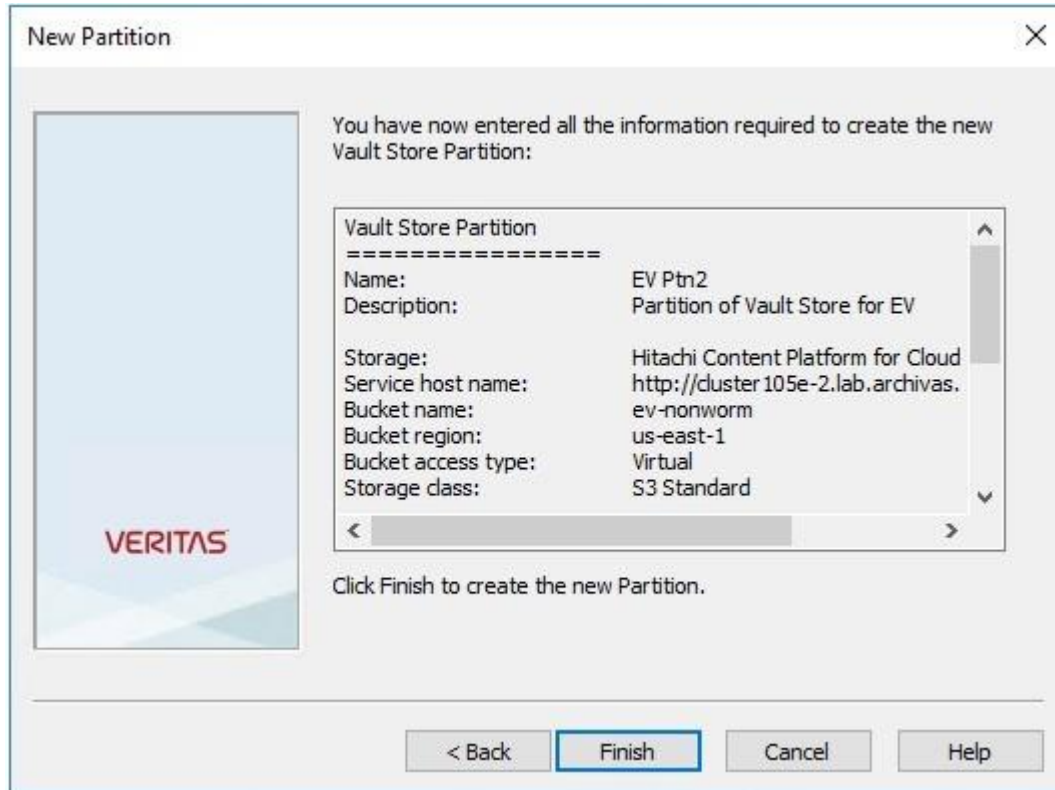
10. To verify the connection to the HCP namespace, click Test. Verify that the connection test was successful. Click OK and then Next.



11. Select the "When Archived Files Exist on the Storage" Option and click Next (HCP does not support the S3 replication acknowledgement in the required format for EV).



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

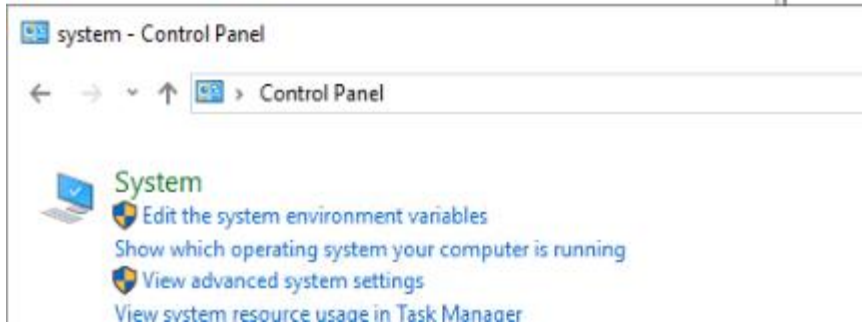


13. According to AWS knowledge base <https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-envvars.htm> it is possible to implement the system variable `AWS_EC2_METADATA_DISABLED=true` on EV Server.

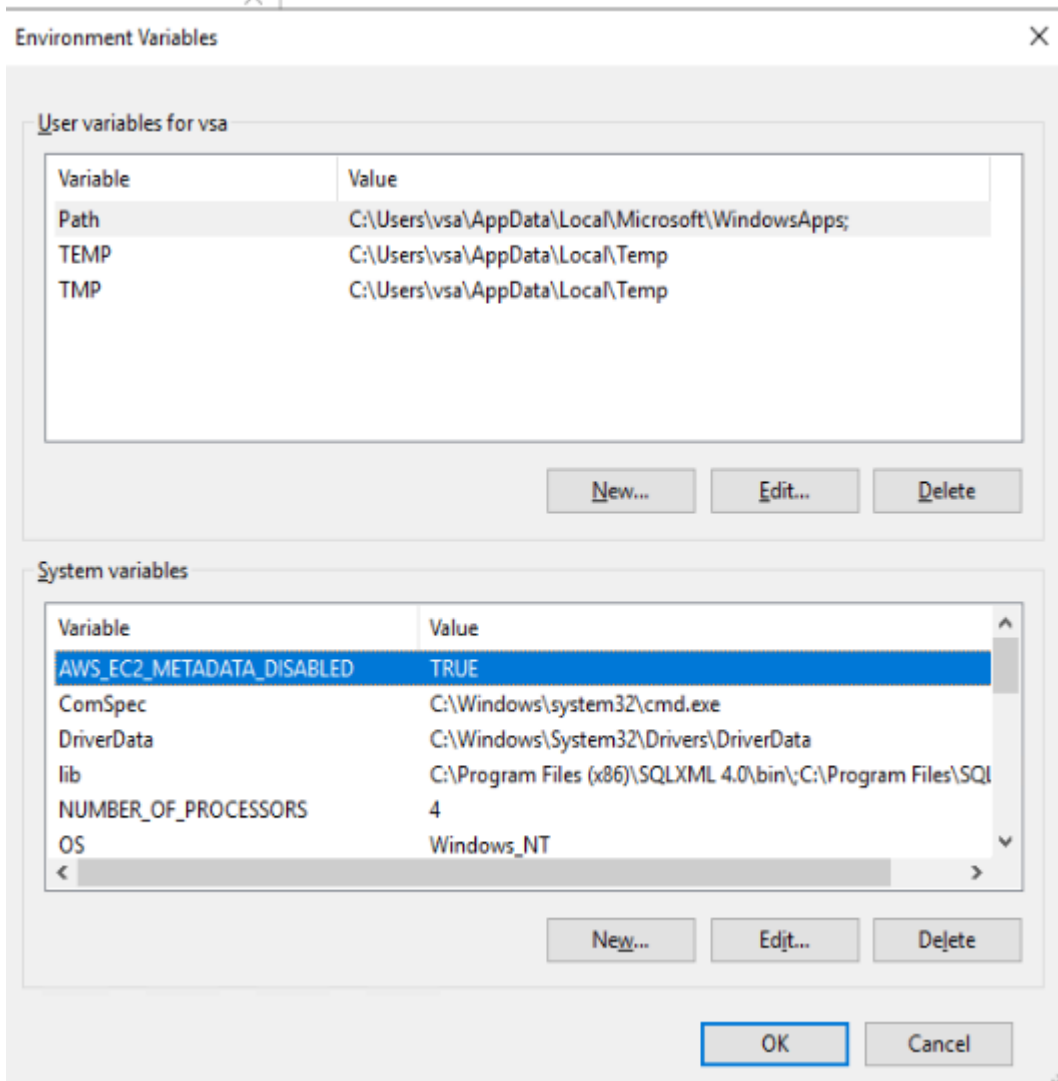
Follow below steps:

For each Enterprise Vault Server, define a new System variable as follow:

- a. From the Control Panel, search for System and then click the Edit the system environment variables option.



- b. Open Environment Variables.
- c. Within System variables, create the `AWS_EC2_METADATA_DISABLED` to `TRUE`.



- d. Click OK and restart the Enterprise Vault services by restarting the Enterprise Vault Admin Service.

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