

# Hitachi Content Platform Anywhere Enterprise

v7.5

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## Configuration Guide for HCP and HCP for Cloud Scale

This document describes how to configure Hitachi Content Platform and Hitachi Content Platform for cloud scale for use with HCP Anywhere Enterprise.

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# Hitachi Content Platform Configuration

## HCP Tenant Configuration

- The HCP tenant must have versioning enabled if you will be using HCP Anywhere Enterprise retention.
- The HCP tenant must support local authentication.

## HCP Bucket Configuration

### Note

In the HCP Tenant Management Console (TMC) the **S3 Bucket** is referred to as **Namespace**.

1. Create a local data access user in the TMC to be used exclusively by HCP Anywhere Enterprise for S3 Archive.
  - a. Provide a username and password.  
Name the user something like hcpae-service to indicate the user is a non-person user.
  - b. Do not select any administrative roles.
  - c. Do not check the box to allow namespace management.
  - d. Optionally, provide a description.
  - e. Click **Create User Account** and be sure to copy the Authorization token string in the confirmation message.
    - 1) The text before the colon is the S3 Access Key, the text following the colon is the S3 Secret Key(access:secret). Save these details for when you configure connection settings between HCP and HCP Anywhere Enterprise.
    - 2) If you forget, you can recover keys by clicking **TMC =>Security => Users => Generate Authorization Token**.
2. Create a dedicated namespace in the TMC to be used by HCP Anywhere Enterprise.
  - a. Provide a name. This is the HCP Anywhere Enterprise bucket name.
  - b. In the **namespace owner field**, begin typing the name of the data access user created above, and then select the name from the list. You must select the name from the list for the owner to be properly applied.
  - c. Set your namespace quotas to allow adequate room for the HCP Anywhere Enterprise filesystem.
  - d. Under **Protocol Optimization** choose **Cloud Protocols**.
  - e. Under **Directory Usage** choose **Unbalanced**.
  - f. Configure **Object Lock** or **S3 Overwrite**.
  - g. If you are using HCP version 9.6.0 or later and you will be enabling HCP Anywhere Enterprise retention in the future, perform the following:
    - 1) Choose **Retention Type** of **S3 Object Lock**.

- 2) Set **Versioning** to **On**.
- 3) Enable **Pruning** and set a **Prune Period** of **0** days.
- 4) Enable **Delete Markers**.

If you are using a version of HCP earlier than v9.6.0, or you will not be enabling HCP Anywhere Enterprise retention, perform the following:

- 1) Choose **Retention Type** of **HCP Retention – Enterprise**.
- 2) Set **Versioning** to **Off**.
- 3) Enable **Allow Overwrite**.

3. In the TMC **Namespaces**, expand the setting for your new namespace and adjust as follows:
  - a. **Policies => Versioning**: Uncheck keep deletion records.
  - b. **Settings => ACLs**: Enable ACLs; Enforce ACLs
  - c. **Protocols => HTTP(S)**
    - 1) Uncheck **Enable REST API**.
    - 2) Check **Enable Hitachi API for Amazon S3**.
      - i. **Authenticated Only**
      - ii. Uncheck **Enable active directory**.

## HCP best practices

- Make sure to provide ample quota for your archive with overhead for daily deletions and versions as these get pruned from the namespace asynchronously.
- Make sure the system is properly sized for the anticipated workload including anticipated peak IOPs and throughput requirements.

## HCP for Cloud Scale Configuration

1. Create a user in your cloud scale connected identity provider to be used by HCP Anywhere Enterprise.  
Name the user something like hcpae-service to indicate the user is a non-person user.
2. Log into the cloud scale S3 Console as that user.
3. Click **Generate Credentials** and record the access key and secret key. Save these details for when you configure HCP connection settings for HCP Anywhere Enterprise.
4. Click **Create bucket** to create your HCP Anywhere Enterprise S3 bucket. Select the following settings:
  - Set **Access level** to **Private**
  - Set **Object Lock** to **On** and **Default retention** to **Off**

- Under **Expiration Lifecycle** select the following settings:
  - Set **Expire current versions of objects** to **Off**
  - Set **Permanently delete previous versions** to **On** and **Number of days** to **1**
  - Set **Delete incomplete multi-part uploads** to **On** and **Days until upload is aborted** to **1**
  - Set **Delete expired object delete markers** to **On**

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