Dataplex: Qwik Start - Console

Task 1. Create a lake

In Dataplex Universal Catalog, a lake is the highest organizational domain that represents a specific data area or business unit. For example, you can create a lake for each department or data domain in your organization, so that you can organize and provide data for specific user groups.

In this task, you create a lake to start building a data mesh.

1. In the Google Cloud Console, select **Navigation menu** (≡) > **View all products**. Under **Analytics**, select **Dataplex Universal Catalog**.

If prompted Welcome to the new Dataplex Universal Catalog experience, click **Close**.

2. Under **Manage lakes**, click **Manage**.

3. Click **+Create lake**.

4. Enter the required information to create a new lake:

Property	Value
Display Name	sensors
ID	Leave the default value.
Region	____

Leave the other default values.

5. Click **Create**.

Task 2. Add a zone to your lake

After you create a lake, you can add zones to the lake. Zones are subdomains within a lake that you can use to categorize data further. For example, you can categorize data by stage, usage, or restrictions.

There are two types of zones:

- Raw zones contain data in raw formats (such as files in Cloud Storage buckets) and are not subject to strict type-checking.

- Curated zones contain data that is cleaned, formatted, and ready for analytics such as BigQuery tables.

In this task, you create a raw zone for working with files in a Cloud Storage bucket.

1. On the **Manage** tab, click on the name of your lake.

2. Click **+Add zone**.

3. Enter the required information to create a new zone:

Property	Value
Display Name	temperature raw data
ID	Leave the default value.
Type	Raw zone
Data locations	Regional

Leave the other default values.

4. Click **Create**.

Task 3. Attach an asset to a zone

Data stored in Cloud Storage buckets or BigQuery datasets can be attached as assets to zones within a Dataplex Universal Catalog lake.

In this task, you attach a Cloud Storage bucket that you create in the Google Cloud console.

1. On the **Zones** tab, click on the name of your zone.

2. On the **Assets** tab, click **+ADD ASSET**.

3. Click **+ADD AN ASSET**.

4. Enter the required information to attach a new asset:

Property	Value
Type	Storage bucket
Display Name	measurements
ID	Leave the default value.

Leave the other default values.

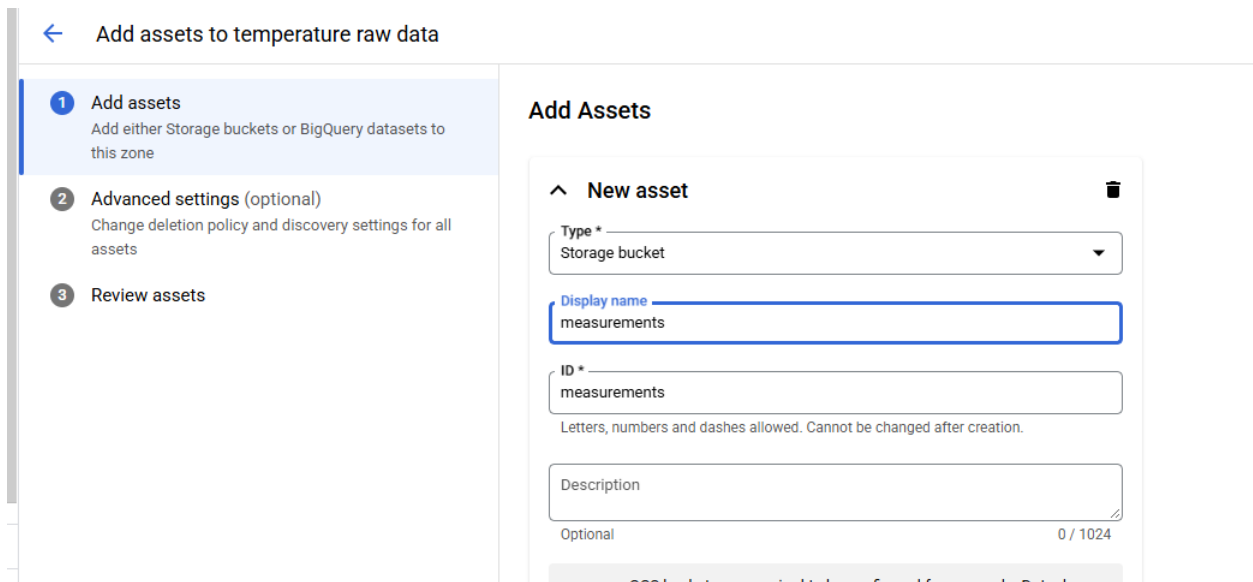5. For **Bucket**, click **Browse**.

6. Click **+Create new bucket** ( ).

7. Provide your project ID as the bucket name (Project ID), and then click **Continue**.

8. For **Location type**, select **Region**, and then select Region.

Leave other default values.

9. Click **Create**.

If prompted Public access will be prevented, click **Confirm**.

10. Click **Select** to select the bucket you just created, and then click **Continue**.

11. For **Discovery settings**, select **Inherit** to inherit the Discovery settings from the zone level, and then click **Continue**.

12. Click **Submit**.

Task 4. Delete assets, zones, and lakes

To delete a lake, you must first detach assets and then delete the zones.

In this task, you detach the asset from the zone, then delete the zone, and last, delete the lake.

Detach an asset

1. On the left menu, click on **Manage** tab, and then click on the name of your lake.

2. On the **Zones** tab, click on the name of your zone.

3. On the **Assets** tab, enable the checkbox to the left of the asset name.

4. Click **Delete assets**.

5. Click **Delete** to confirm.

Delete a zone

1. On the left menu, click on **Manage** tab, and then click on the name of your lake.

2. On the **Zones** tab, enable the checkbox to the left of the zone name.

3. Click **Delete zone**.

4. Click **Delete** to confirm.

Delete the lake

1. On the left menu, click on **Manage** tab, and then click on the name of your lake.

2. At the top of the page, click **Delete**.

3. Confirm deletion by typing **delete** into the text box.

4. Click **Delete lake** to confirm.