

Dataplex: Qwik Start - Console


Enable the Cloud Dataplex API

1. In the Google Cloud Console, enter **Cloud Dataplex API** in the top search bar.
2. Click on the result for **Cloud Dataplex API** under Marketplace.
3. Click **ENABLE**.

Task 1. Create a lake

In Dataplex, 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, in the **Navigation menu** () , navigate to **Analytics > Dataplex**.

If prompted Welcome to the new Dataplex 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	europa-west1

Leave the other default values.

5. Click **Create**.

It can take up to 3 minutes for the lake to be created.

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.

For example, the option for **Enable metadata discovery** under **Discovery settings** is enabled by default and allows authorized users to discover the data in the zone.

4. Click **Create**.

It can take up to 2 minutes for the zone to be created.

You can perform the next task once the status of the zone is **Active**.

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 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 ASSEST**.
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**.
You can attach an existing Cloud Storage bucket or create a new one without leaving Dataplex. In the next steps, you create a new Cloud Storage bucket and attach it to the zone.

6. Click **+Create new bucket** ().
7. Provide your project ID as the bucket name (qwiklabs-gcp-02-f4d7cd14a468), and then click **Continue**.
8. For **Location type**, select **Region**, and then select europe-west1.

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.

This action does delete the underlying data in the Cloud Storage bucket. It simply removes the Cloud Storage bucket from being accessible or discoverable using the lake in Dataplex.

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.