



Home



Training



Playground



Quick Training



Hands-On Labs



Learning Paths



Community



We are aware of an ongoing issue concerning Course Progress and Recent Courses. We are working to correct this. Please note that your course progress is being recorded, even if it is not being displayed correctly. Thank you for your understanding.

Managing Google Cloud SQL Instances

🕒 107 Min. Remaining

📖 Beginner

Cancel Lab

Complete Lab

How was this lab?



Credentials

How do I connect? ?

Google Labs Account

Username

cloud_user_p_b70158@linuxacademygclabs.com



Password

bY4JBOHY



Open Google Console

Tools

Instant Terminal

Diagram

?

Video

Guide

Create instance.

1. From the main navigation, click **Cloud SQL**.
2. Click **Create instance**.
3. Choose your database engine – for this lab, we'll go with MySQL.
4. Enter an instance ID (e.g., "la-sql").
5. Provide a password (e.g., "root").
6. Click **Create**. It will take a few minutes to spin up.

Create a database.

1. Select the recently created Cloud SQL instance.
2. Choose **Create database**.
3. Name the database (e.g., "sql_data"), and leave the other fields at their default values.
4. Click **Create**.

Clone the instance.

1. From the **Instance details** page, choose the clone icon at the top.
2. Enter a new name for the clone if desired.
3. Choose **Clone latest state of instance**.
4. Click **Create clone**.

Stop and start an instance.

1. Select the first instance created.
2. Click **Stop**.
3. After the instance has stopped, click **Start**.

Restart an instance.

1. Select the cloned instance.
2. Click **Restart**.

Delete an instance.

1. Select the cloned instance.
2. Click the trash can icon to delete it.
3. Enter the name of the instance in the dialog to confirm the deletion.
4. Click **Delete**.

Conclusion

Additional Information and Resources

You've been asked to take control of the team's Cloud SQL initiative. To fully grasp how the platform works, you'll need to understand basic Cloud SQL instance management tasks. You'll need to know how to create instances, as well as clone, start, stop, restart, and delete them.

You'll need to accomplish the following steps to complete your task:

1. Create a new Cloud SQL instance.
2. Create a database.
3. Clone the instance.
4. Stop the first instance.
5. Start the first instance.
6. Restart the second instance.
7. Delete both instances.

Learning Objectives



Create instance.



1. From the main navigation, click **Cloud SQL**.
2. Click **Create Instance**.
3. Choose your database engine.
4. Enter an instance ID.
5. Provide a password.
6. Click **Create**.



Create a database.



1. Select the recently created Cloud SQL instance.

2. Choose **Create database**.
3. Name the database and leave the other fields at their default values.
4. Click **Create**.

✓ Clone the instance. ^

1. From the Instance details page, choose **Create clone**.
2. Enter a new name for the clone if desired.
3. Choose **Clone latest state of instance**.
4. Click **Create clone**.

✓ Stop and start an instance. ^

1. Select the first instance created.
2. Click **Stop**.
3. After the instance has stopped, click **Start**.

✓ Restart an instance. ^

1. Select the cloned instance.
2. Click **Restart**.

✓ Delete an instance. ^

1. Select the cloned instance.
2. Click **Delete**.
3. Enter the name of the instance in the dialog to confirm the deletion.
4. Click **Delete**.