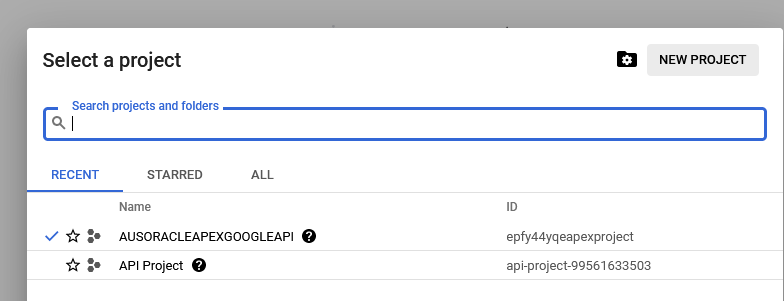
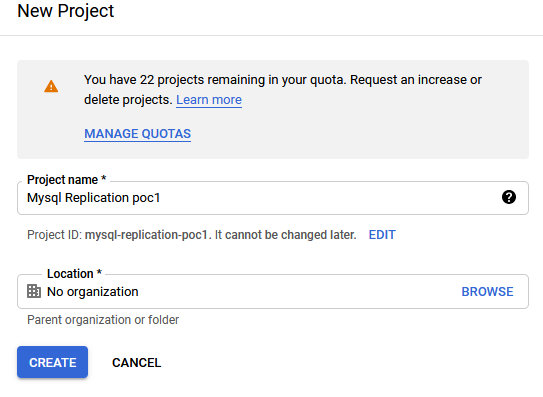
Mysql cloud read replica’s

<https://console.cloud.google.com/sql?_ga=2.17220602.292219765.1633394812-1706381715.1633394812>

Select new project

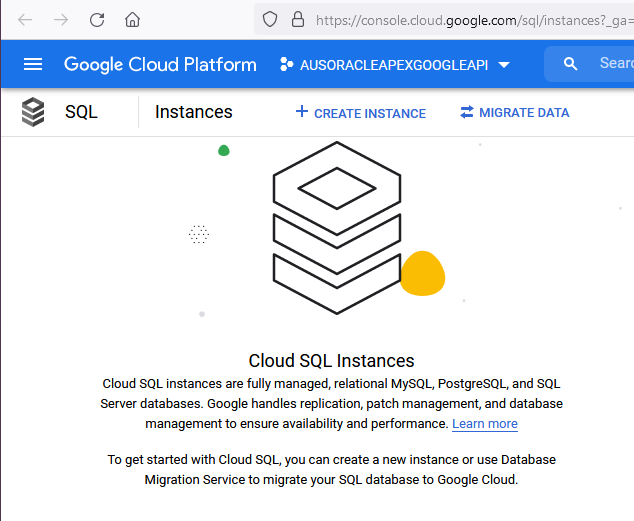


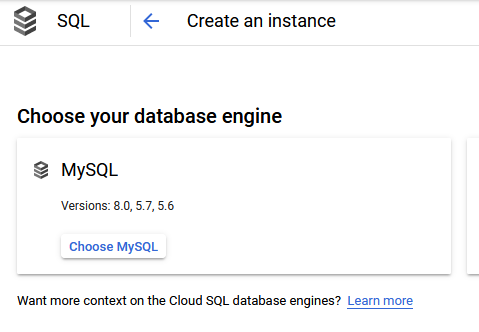


Added [sgotee@misorobotics.com](mailto:sgotee@misorobotics.com) as cloud sql admin

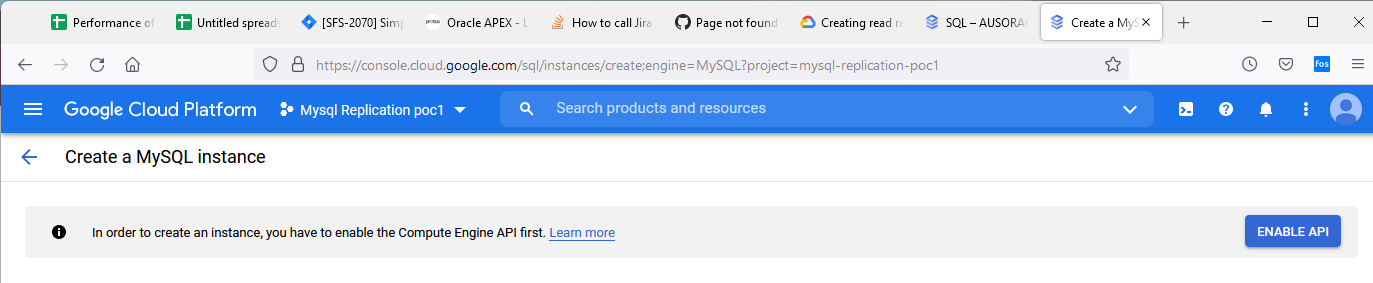
Create a database instance of type mysql

1. Create instance



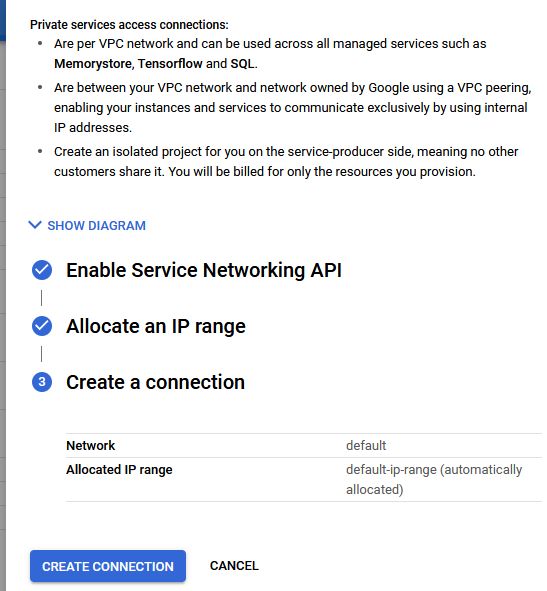


Create mysql



Select enable api

In order to create an instance, you have to enable the Compute Engine API first



Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

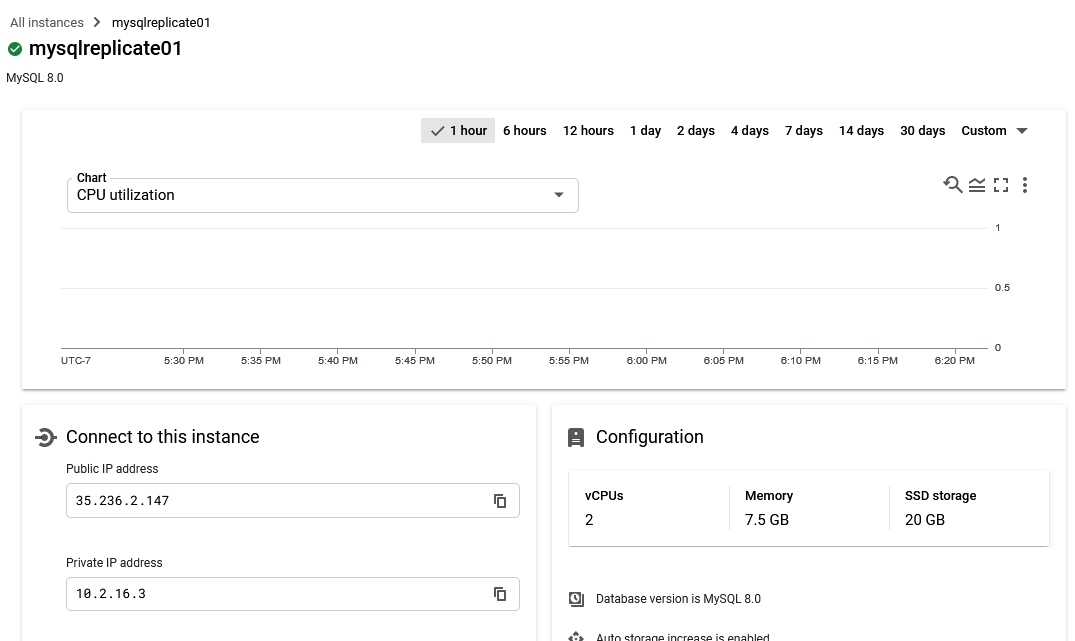
Graphical user interface, application, Word

Description automatically generated

<https://cloud.google.com/sql/docs/mysql/connect-admin-proxy?_ga=2.222094040.-1706381715.1633394812>

**Connecting using the Cloud SQL Auth proxy**

External address begin put on hold.



<https://console.cloud.google.com/sql/instances/mysqlreplicate01/overview?project=mysql-replication-poc1&cloudshell=true>

public ip address= 35.236.2.147

private = 10.2.16.3

associate networking = projects/mysql-replication-poc1/global/networks/default

connectinname = = mysql-replication-poc1:us-west2:mysqlreplicate01

## mysqlreplicate01

MySQL 8.0

### CPU utilization

Chart

CPU utilization

This chart is described by one or more grids. A grid row represents a time series. A grid column corresponds to a timestamp. By default, charts hide most columns. To display the hidden columns next to the activated column, use the Read previous item (up arrow) key until you access the column header, and then use the Activate button (enter) key.

Data in this chart spans a time range from Monday, October 4, 2021 at 5:22:03 PM UTC-7 to Monday, October 4, 2021 at 6:22:03 PM UTC-7.

Unpinning the X axis cursor allows the cursor to follow the mouse while hovering over the chart. The X axis cursor will always be pinned while using keyboard navigation to indicate that the values reflected in the tooltip or the legend are associated with the position of the X axis cursor.

| **Data set, "Line 1", on chart, "CPU utilization"** |
| --- |
| To save memory, this table is inactive by default. To populate this table, click the "Populate data for table, "Line 1", on chart, "CPU utilization"" button just prior to this table. |

If subsequent columns are omitted, activating a column header will reveal all subsequent columns up to the next revealed column.

If subsequent rows are omitted, activating a row header will reveal all subsequent rows up to the next revealed row.

Activating a grid cell will open the tooltip at this data point

## Connect to this instance

Public IP address



Private IP address



Associated networking



Connection name



Need help connecting?

Review the documentation to learn about the many ways to connect to your instance. [Learn more](https://cloud.google.com/sql/docs/mysql/external-connection-methods)

To connect using gcloud,

To learn about connecting with a Compute Engine VM,

## Suggested actions

[Enable high availability](https://console.cloud.google.com/sql/instances/mysqlreplicate01/overview?project=mysql-replication-poc1" \t ")

## Service account



## Operations and logs

| **Creation Time** | **Completion Time** | **Type** | **Status** |
| --- | --- | --- | --- |
| Oct 4, 2021, 6:22:01 PM |  | Create | Instance is being created |

[View all operations](https://console.cloud.google.com/sql/instances/mysqlreplicate01/operations?project=mysql-replication-poc1" \t ")

[View MySQL error logs](https://console.cloud.google.com/logs/query;query=resource.type%3D%22cloudsql_database%22%0Aresource.labels.database_id%3D%22mysql-replication-poc1:mysqlreplicate01%22%0Alog_name%3D%22projects%2Fmysql-replication-poc1%2Flogs%2Fcloudsql.googleapis.com%252Fmysql.err%22?project=mysql-replication-poc1" \t ")

## Configuration

vCPUs

2

Memory

7.5 GB

SSD storage

20 GB

Database version is MySQL 8.0

Auto storage increase is enabled

Automated backups are enabled

Point-in-time recovery is enabled

Located in us-west2-c

Not highly available (zonal)

No database flags set

No labels set

[Edit configuration](https://console.cloud.google.com/sql/instances/mysqlreplicate01/edit?project=mysql-replication-poc1" \t ")

## Maintenance

Maintenance window

Updates may occur any day of the week.

Order of update

Cloud SQL chooses the maintenance timing.

Notifications

Off

Upcoming

No maintenance scheduled right now.

[Edit maintenance preferences](https://console.cloud.google.com/sql/instances/mysqlreplicate01/edit?project=mysql-replication-poc1" \t ")

Service account = [p930294815007-svj4i5@gcp-sa-cloud-sql.iam.gserviceaccount.com](mailto:p930294815007-svj4i5@gcp-sa-cloud-sql.iam.gserviceaccount.com)

For information about connecting a mysql client to a Cloud SQL instance using public IP, see [Connecting using a database client](https://cloud.google.com/sql/docs/mysql/connect-admin-ip).

<https://cloud.google.com/sql/docs/mysql/connect-admin-ip>

**Note:** For information about connecting a client to a Cloud SQL instance using the Cloud SQL Auth proxy,

see [Connecting using the Cloud SQL Auth proxy](https://cloud.google.com/sql/docs/mysql/connect-admin-proxy).

For information about connecting using private IP, see [Configuring private IP connectivity](https://cloud.google.com/sql/docs/mysql/configure-private-ip).

## Before you begin

Before you can start using a client, you must have:

* Created a Cloud SQL instance, including configuring the default user.

See [Creating Instances](https://cloud.google.com/sql/docs/mysql/create-instance) and [Configuring the default user account](https://cloud.google.com/sql/docs/mysql/create-manage-users#user-root).

* Optionally, created a Compute Engine VM instance and then connected to the instance using SSH.

See [Creating and starting a VM instance](https://cloud.google.com/compute/docs/instances/create-start-instance), and [SSH connections to Linux VMs](https://cloud.google.com/compute/docs/instances/ssh) or [Connecting to Windows VMs](https://cloud.google.com/compute/docs/instances/connecting-to-windows).

* Determined how you will connect to your instance.

For the connection options and how to choose from among them, see the [Connecting overview](https://cloud.google.com/sql/docs/mysql/connect-overview) page.

[**https://cloud.google.com/sql/docs/mysql/connect-admin-proxy?\_ga=2.222094040.-1706381715.1633394812**](https://cloud.google.com/sql/docs/mysql/connect-admin-proxy?_ga=2.222094040.-1706381715.1633394812)

# Connecting using the Cloud SQL Auth proxy



<https://shell.cloud.google.com/?hl=en_US&fromcloudshell=true&show=ide%2Cterminal>

Welcome to Cloud Shell! Type "help" to get started.

To set your Cloud Platform project in this session use “gcloud config set project [PROJECT\_ID]”

rmander\_ca@cloudshell:~$

Graphical user interface, application, Word

Description automatically generated

Welcome to Cloud Shell! Type "help" to get started.

To set your Cloud Platform project in this session use “gcloud config set project [PROJECT\_ID]”

rmander\_ca@cloudshell:~$ gcloud config set project mysql-replication-poc1

Updated property [core/project].

rmander\_ca@cloudshell:~ (mysql-replication-poc1)$

<https://console.cloud.google.com/sql/instances/mysqlreplicate01/overview?project=central-octane-326723>

# Authorize Cloud Shell

gcloud is requesting your credentials to make a GCP API call.

Click to authorize this and future calls that require your credentials.

## Connect to this instance

Public IP address

 34.94.164.159

Private IP address

 10.33.192.3

Associated networking

 projects/central-octane-326723/global/networks/default

Connection name

 central-octane-326723:us-west2:mysqlreplicate01

Need help connecting?

Review the documentation to learn about the many ways to connect to your instance. [Learn more](https://cloud.google.com/sql/docs/mysql/external-connection-methods)

To connect using gcloud,

To learn about connecting with a Compute Engine VM,

vCPUs

2

Memory

7.5 GB

SSD storage

20 GB

Database version is MySQL 8.0

Auto storage increase is enabled

Automated backups are enabled

Point-in-time recovery is enabled

Located in us-west2-c

Not highly available (zonal)

No database flags set

No labels set

Service account => [p34244015198-c9dc13@gcp-sa-cloud-sql.iam.gserviceaccount.com](mailto:p34244015198-c9dc13@gcp-sa-cloud-sql.iam.gserviceaccount.com)

aplascencia@cloudshell:~ (central-octane-326723)$ gcloud config set project central-octane-326723

Updated property [core/project].

I want to import from a sql file from a bucket from cloud storage.

<https://cloud.google.com/sql/docs/mysql/import-export/import-export-sql>

## Importing

### Required roles and permissions for importing

This procedure requires you to import a file from Cloud Storage. To import data from Cloud Storage, the service account or user must have one of the following sets of roles:

* The Cloud SQL Admin role and the roles/storage.legacyObjectReader IAM role
* A [custom role](https://cloud.google.com/iam/docs/understanding-custom-roles) including the following permissions:
  + cloudsql.instances.get
  + cloudsql.instances.import
  + storage.buckets.get
  + storage.objects.get

ilter

|  | **Name** |
| --- | --- |
|  | **Created** | |

|  | **Location type** |
| --- | --- |

|  | **Location** |
| --- | --- |

|  | **Default storage class** |
| --- | --- |

|  | **Last modified** |
| --- | --- |

|  | **Public access** |
| --- | --- |

|  | **Access control** |
| --- | --- |

|  | **Protection** |
| --- | --- |

|  | **Lifecycle rules** |
| --- | --- |

|  | **Labels** |
| --- | --- |

|  | **Requester Pays** |
| --- | --- |

|  | **Replication** |
| --- | --- |

|  | **Encryption** |
| --- | --- |

|  |  |
| --- | --- |
|  | [rhel8d2dbinstbucketdeps](https://console.cloud.google.com/storage/browser/rhel8d2dbinstbucketdeps;tab=objects?forceOnBucketsSortingFiltering=false&project=central-octane-326723) | Sep 21, 2021, 1:03:41 PM | Region | us-west2 (Los Angeles) | Standard | Oct 4, 2021, 8:10:46 PM | Not public | Uniform | None | [None](https://console.cloud.google.com/storage/browser/rhel8d2dbinstbucketdeps;tab=lifecycle?forceOnBucketsSortingFiltering=false&project=central-octane-326723) | * apex : poc\_apexrhel\_8\_1 |  |

|  |  |  |
| --- | --- | --- |
|  | — | Google-managed key |

POST https://www.googleapis.com/compute/v1/projects/central-octane-326723/regions/us-west2/addresses { "description": "armando mysql", "name": "mysqlexternalipaddress", "networkTier": "PREMIUM", "region": "projects/central-octane-326723/regions/us-west2" }

10.33.192.3 private

34.94.164.159 public

projects/central-octane-326723/global/networks/default

central-octane-326723:us-west2:mysqlreplicate01

[p34244015198-c9dc13@gcp-sa-cloud-sql.iam.gserviceaccount.com](mailto:p34244015198-c9dc13@gcp-sa-cloud-sql.iam.gserviceaccount.com)

importing

Importing data from gs://rhel8d2dbinstbucketdeps/bkup\_simple\_chef\_db.sql\_dmp. This may take a few minutes. While this operation is running, you may continue to view information about the instance.

Client-key.pem

-----BEGIN RSA PRIVATE KEY----------END RSA PRIVATE KEY-----

Client-cert.pem

-----BEGIN CERTIFICATE----------END CERTIFICATE-----

Server-ca.pem

-----BEGIN CERTIFICATE----------END CERTIFICATE-----

mysql -uroot -p -h 34.94.164.159 --ssl-ca=server-ca.pem --ssl-cert=client-cert.pem --ssl-key=client-key.pem

{ "allowed": [ { "IPProtocol": "tcp", "ports": [ "3306" ] } ], "creationTimestamp": "2021-10-04T23:22:50.898-07:00", "description": "", "direction": "INGRESS", "disabled": false, "enableLogging": false, "id": "8230166359023440341", "kind": "compute#firewall", "logConfig": { "enable": false }, "name": "default-allow-mysql", "network": "projects/central-octane-326723/global/networks/default", "priority": 1000.0, "selfLink": "projects/central-octane-326723/global/firewalls/default-allow-mysql", "sourceRanges": [ "0.0.0.0/0" ] }

4/1AX4XfWhYrcIwWduK-XERxXMH01F39hN9frLuF724fQMIhbxZBfhTIy6X8tI

Enter verification code: 4/1AX4XfWhYrcIwWduK-XERxXMH01F39hN9frLuF724fQMIhbxZBfhTIy6X8tI

You are now logged in as [aplascencia@misorobotics.com].

Your current project is [central-octane-326723]. You can change this setting by running:

$ gcloud config set project PROJECT\_ID

aplascencia@cloudshell:~ (central-octane-326723)$

# Migrating MySQL data to Cloud SQL using Database Migration Service