



Deploy MariaDB From a Helm Chart

Project Astra

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Deploy MariaDB From a Helm Chart

Learn how to exercise the Project Astra Beta program workflow by deploying MariaDB from a Helm chart. After you deploy MariaDB on your cluster, you can manage the application with Project Astra.

MariaDB is a validated app for the Project Astra Beta program. [Learn the difference between Validated and Standard apps.](#)



The Project Astra Beta program only supports MySQL 0.3.22 and MariaDB 14.14.

System Requirements

In order to deploy MariaDB from a Helm chart for the Project Astra Beta program, you need the following:

- A GKE cluster which has been added to Project Astra.
- Updated versions of Helm (version 3.2+) and Kubectl installed.
- Kubeconfig configured using the gcloud tool with a command like `gcloud container clusters get-credentials my-cluster-name`

Install MariaDB

To exercise the Project Astra Beta program workflow, we recommend you use the Helm chart.

Deploy MariaDB with the command:

```
helm install mariadb bitnami/mariadb --namespace testdb --create-namespace --set db.database=test_db,db.user=test_db_user,db.password=NKhjs2wQPt8 > /dev/null 2>&1
```

This does the following:

- Creates the `testdb` namespace.
- Deploys MariaDB on the `testdb` namespace.
- Creates a database named `test_db`
- Creates a user `test_db_user` with password `NKhjs2wQPt8`



This method of setting the password at deployment is insecure. Only use this command when setting up MariaDB for a sandbox deployment to use Project Astra Beta program. We do not recommend this for a production environment.

After the Helm chart is deployed, it will be automatically discovered by Project Astra, at which point

you can manage the app with Project Astra.

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