



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.



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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