

```
soha@ubuntu:~/depi_r3/lec17$ kubectl create namespace database-server
namespace/database-server created
soha@ubuntu:~/depi_r3/lec17$ kubectl create namespace database-client
namespace/database-client created
```

```
soha@ubuntu:~/depi_r3/lec17$ kubectl run mariadb-db --image=mariadb:latest -n database-server --env="MYSQL_ROOT_PASSWORD=1234" --port=3306 -o yaml --dry-run=client > mariadb-pod.yaml
soha@ubuntu:~/depi_r3/lec17$ kubectl apply -f mariadb-pod.yaml
pod/mariadb-db created
soha@ubuntu:~/depi_r3/lec17$ kubectl expose pod mariadb-db --name=mariadb-svc -n database-server --port=3306 --target-port=3306 -o yaml --dry-run=client > mariadb-service.yaml
soha@ubuntu:~/depi_r3/lec17$ kubectl apply -f mariadb-service.yaml
service/mariadb-svc created
```

```
soha@ubuntu:~/depi_r3/lec17$ kubectl run -it mysql-client --rm --image=alpine/mysql -n database-client -- mysql -h mariadb-svc.database-server.svc.cluster.local -u root -p1234
```

```
If you don't see a command prompt, try pressing enter.
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

```
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 12.0.2-MariaDB-ubu2404 mariadb.org binary distribution
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```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
MariaDB [mysql]>
```