

```
soha@ubuntu:~$ kubectl run mariadb-pod --image=mariadb --env MARIADB_ROOT_PASSWORD=12345
pod/mariadb-pod created
```

```
soha@ubuntu:~$ kubectl create service clusterip mariadb-test-svc --tcp=3306:3306 --dry-run=client -o yaml > mariadb-test-svc.yaml
soha@ubuntu:~$ kubectl apply -f mariadb-test-svc.yaml
service/mariadb-test-svc created
```

```
soha@ubuntu:~$ kubectl apply -f mariadb-test-svc.yaml
service/mariadb-test-svc created
```

```
soha@ubuntu:~$ kubectl get svc mariadb-testt-svc -o yaml
apiVersion: v1
kind: Service
metadata:
  annotations:
    kubernetes.io/last-applied-configuration: |
      {"apiVersion":"v1","kind":"Service","metadata":{"annotations":{},"creationTimestamp":null,"labels":{"app":"mariadb-testt-svc"},"name":"mariadb-testt-svc","namespace":"default"},"spec":{"ports":[{"name":"3306-3306","port":3306,"protocol":"TCP","targetPort":3306}],"selector":{"app":"mariadb-testt-svc"},"type":"ClusterIP"},"status":{"loadBalancer":{}}}
  creationTimestamp: "2025-08-10T20:25:13Z"
  labels:
    app: mariadb-testt-svc
  name: mariadb-testt-svc
  namespace: default
  resourceVersion: "19848"
  uid: f92440cd-8bc6-4c86-a47a-2c0c37815a95
spec:
  clusterIP: 10.107.141.103
  clusterIPs:
    - 10.107.141.103
  internalTrafficPolicy: Cluster
  ipFamilies:
    - IPv4
  ipFamilyPolicy: SingleStack
  ports:
    - name: 3306-3306
      port: 3306
      protocol: TCP
      targetPort: 3306
  selector:
    app: mariadb-testt-svc
  sessionAffinity: None
  type: ClusterIP
status:
  loadBalancer: {}
```

```
soha@ubuntu:~$ kubectl get pod mariadb-pod --show-labels
NAME          READY   STATUS    RESTARTS   AGE   LABELS
mariadb-pod   1/1     Running   0          15m   run=mariadb-pod
soha@ubuntu:~$ kubectl label pod mariadb-pod app=mariadb-testt-svc --overwrite
pod/mariadb-pod labeled
soha@ubuntu:~$ kubectl get endpoints mariadb-testt-svc
Warning: v1 Endpoints is deprecated in v1.33+; use discovery.k8s.io/v1 EndpointSlice
NAME          ENDPOINTS          AGE
mariadb-testt-svc  10.244.0.23:3306   9m5s
```

```
soha@ubuntu:~$ kubectl run -it mysql-client --image=alpine/mysql --rm -- -h mariadb-testt-svc -u root -p12345 -P 3306
If you don't see a command prompt, try pressing enter.
MariaDB [(none)]> 
```

```
soha@ubuntu: ~ x soha@ubuntu: ~ x so
apiVersion: v1
kind: Service
metadata:
  creationTimestamp: null
  labels:
    app: mariadb-testt-svc
  name: mariadb-testt-svc
spec:
  ports:
    - name: 3306-3306
      port: 3306
      protocol: TCP
      targetPort: 3306
  selector:
    app: mariadb-testt-svc
  type: ClusterIP
status:
  loadBalancer: {}
~
```