

# MySQL

MySQL

PV

```
kind: PersistentVolume
apiVersion: v1
metadata:
  name: mysql-pv-volume
  namespace: tomcat-apps
  labels:
    type: local
spec:
  storageClassName: manual
  capacity:
    storage: 20Gi
  accessModes:
    - ReadWriteOnce
  hostPath:
    path: "/data/tomcat/mysql"
```

---

```
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
  name: mysql-pv-claim
  namespace: tomcat-apps
spec:
  storageClassName: manual
  accessModes:
    - ReadWriteOnce
  resources:
    requests:
      storage: 20Gi
```

MySQL DBMS

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: tomcat-mysql
  namespace: tomcat-apps
```

```
spec:
  replicas: 1
  selector:
    matchLabels:
      app: products
      department: tomcat-mysql
  template:
    metadata:
      labels:
        app: products
        department: tomcat-mysql
    spec:
      containers:
        - name: mysql
          image: mysql:5.7
          ports:
            - containerPort: 3306
          volumeMounts:
            - mountPath: "/var/lib/mysql"
              name: mysql-persistent-storage
              readOnly: false
          env:
            - name: PUID
              value: "1000"
            - name: PGID
              value: "1000"
            - name: MYSQL_ROOT_PASSWORD
              value: "xxxxxxxxxxxxxxxxxx"
            - name: MYSQL_DATABASE
              value: "mysql"
            - name: MYSQL_USER
              value: "xxxxxxxxxx"
            - name: MYSQL_PASSWORD
              value: "xxxxxxxxxx"
            - name: TZ
              value: "Asia/Seoul"
          volumes:
            - name: mysql-persistent-storage
              persistentVolumeClaim:
                claimName: mysql-pv-claim

---

apiVersion: v1
kind: Service
metadata:
  name: tomcat-mysql-service
  namespace: tomcat-apps
spec:
  type: LoadBalancer
```

```
externalIPs:
  - 192.168.0.100
selector:
  app: products
  department: tomcat-mysql
ports:
  - protocol: TCP
    port: 33306
    targetPort: 3306
```

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