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Assignment : MYSQL node on Kubernetes using Kubernetes Artifacts

Subject : DevOps

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## **Procedure for Creating artifact :**

### **1 : Start the kubernetes single node cluster**

`$minikube start --wait=false`

### **2 : Storing root password in base 64 Format**

`$vi mysql-secret.yml`

### **3 : Creating Storage configuration**

`$ vi mysql-storage.yml`

### **4 : Creating deployment file for mysql**

`$ vi mysql-deployment.sql`

**5 : The command set kubectl apply is used at a terminal's command-line window to create or modify Kubernetes resources defined in a manifest file.**

`$kubectl apply -f mysql_secret`

`$kubectl apply -f mysql_storage`

`$kubectl apply -f mysql_deployment`

**2.Your Github link of MYSQL kubernetes artifacts. (I will check each and every file in detail)**

**<https://github.com/shoaAB167/MYSQL-node-on-Kubernetes-using-Kubernetes-Artifacts>**

Activities Firefox Web Browser Fri 18:49

(t) WhatsApp Launch Single Node Kub... Deploying MySQL on Kub... +

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Steps

Terminal Dashboard +

```
$ kubectl get pod
NAME                                READY  STATUS   RESTARTS   AGE
mysql-deployment-5b68bb45bc-f757c  1/1    Running   0           22m
$ kubectl exec --stdin --tty mysql-deployment-5b68bb45bc-f757c -- /bin/bash
root@mysql-deployment-5b68bb45bc-f757c:/#
```