

```
E:\CC\project2\part3>kubectl create configmap config-server --dry-run=client -o yaml > config-server.yaml
E:\CC\project2\part3>
```

```
E:\CC\project2\part3>kubectl create deployment config-server --image=rey2rey/appserver2_new --dry-run=client -o yaml > deployment-server.yaml
E:\CC\project2\part3>
```

```
E:\CC\project2\part3>kubectl create service clusterip service-server --tcp=5000:5000 --dry-run=client -o yaml > service-server.yaml
```

```
E:\CC\project2\part3>kubectl apply -f config-server.yaml
configmap/config-server created
```

```
E:\CC\project2\part3>kubectl apply -f deployment-server.yaml
deployment.apps/config-server created
```

```
E:\CC\project2\part3>kubectl apply -f service-server.yaml
service/service-server created
```

```
E:\CC\project2\part3>kubectl create configmap redis --dry-run=client -o yaml > config-redis.yaml
E:\CC\project2\part3>kubectl create deployment redis --image=myredis --dry-run=client -o yaml > deployment-redis.yaml
E:\CC\project2\part3>kubectl create service clusterip service-redis --tcp=6379:6379 --dry-run=client -o yaml > service-redis.yaml
```

```
E:\CC\project2\part3>kubectl apply -f config-redis.yaml
configmap/redis created

E:\CC\project2\part3>kubectl apply -f deployment-redis.yaml
deployment.apps/redis created

E:\CC\project2\part3>kubectl apply -f service-redis.yaml
service/service-redis created

E:\CC\project2\part3>kubectl apply -f pv.yaml
persistentvolume/redis created

E:\CC\project2\part3>kubectl apply -f pvc.yaml
persistentvolumeclaim/redis-pvc created

E:\CC\project2\part3>
```

```
E:\CC\project2\part3>kubectl get configMap
```

| NAME | DATA | AGE |
|------------------|------|-------|
| config-server | 4 | 35m |
| kube-root-ca.crt | 1 | 7d15h |
| redis | 0 | 2m10s |

```
E:\CC\project2\part3>kubectl get deployment
```

| NAME | READY | UP-TO-DATE | AVAILABLE | AGE |
|---------------|-------|------------|-----------|-------|
| config-server | 2/2 | 2 | 2 | 31m |
| redis | 0/1 | 1 | 0 | 2m49s |

```
E:\CC\project2\part3>kubectl get service
```

| NAME | TYPE | CLUSTER-IP | EXTERNAL-IP | PORT(S) | AGE |
|----------------|-----------|---------------|-------------|----------|-------|
| kubernetes | ClusterIP | 10.96.0.1 | <none> | 443/TCP | 7d15h |
| service-redis | ClusterIP | 10.101.13.186 | <none> | 6379/TCP | 2m54s |
| service-server | ClusterIP | 10.104.106.55 | <none> | 5000/TCP | 31m |

```
E:\CC\project2\part3>kubectl get pv
```

| NAME | CAPACITY | ACCESS MODES | RECLAIM POLICY | STATUS | CLAIM | STORAGECLASS | REASON | AGE |
|-------|----------|--------------|----------------|--------|-------------------|--------------|--------|-------|
| redis | 100Mi | RWO | Retain | Bound | default/redis-pvc | manual | | 3m12s |

```
E:\CC\project2\part3>kubectl get pvc
```

| NAME | STATUS | VOLUME | CAPACITY | ACCESS MODES | STORAGECLASS | AGE |
|-----------|--------|--------|----------|--------------|--------------|-------|
| redis-pvc | Bound | redis | 100Mi | RWO | manual | 3m33s |

```
PS E:\CC\project2\part3> kubectl get ep
NAME                ENDPOINTS                                AGE
kubernetes           192.168.49.2:8443                        7d16h
service-redis        <none>                                   76m
service-server       172.17.0.5:5000,172.17.0.6:5000         105m
PS E:\CC\project2\part3> █
```

```
PS E:\CC\project2\part3> kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
config-server-59f6547bbd-gmvwk     1/1     Running   0           104m
config-server-59f6547bbd-rl58m     1/1     Running   0           104m
redis-65b55d747-wkkkw              1/1     Running   0           100s
PS E:\CC\project2\part3> █
```