



# Changing Default Storage Class



## Changing Default Storage Class

```
kubectl get sc
```

NAME	PROVISIONER	RECLAIMPOLICY	VOLUMEBINDINGMODE	ALLOWVOLUMEEXPANSION	AGE
gold	kubernetes.io/gce-pd	Retain	Immediate	true	21m
standard (default)	kubernetes.io/gce-pd	Delete	Immediate	true	9h

1. Mark the default StorageClass as non-default:

```
kubectl patch storageclass gold -p '{"metadata": {"annotations":{"storageclass.kubernetes.io/is-default-class":"false"}}}'
```

```
storageclass.storage.k8s.io/standard patched
```

2. Mark a StorageClass as default

```
kubectl patch storageclass gold -p '{"metadata": {"annotations":{"storageclass.kubernetes.io/is-default-class":"true"}}}'
```

```
storageclass.storage.k8s.io/gold patched
```

3. Verify that your chosen StorageClass is default:

```
kubectl get storageclass
```

NAME	PROVISIONER	RECLAIMPOLICY	VOLUMEBINDINGMODE	ALLOWVOLUMEEXPANSION	AGE
gold (default)	kubernetes.io/gce-pd	Retain	Immediate	true	24m
standard	kubernetes.io/gce-pd	Delete	Immediate	true	9h

# Using Storage Class in PVC

Gold (default)

```
# pvc-gold-default.yaml
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
  name: my-default-gold-vol
spec:
  accessModes:
    - ReadWriteOnce
  resources:
    requests:
      storage: 15Gi
```

```
kubectl apply -f pvc-gold-default.yaml
```

```
persistentvolumeclaim/my-default-gold-vol created
```

```
kubectl get pvc
```

NAME	STATUS	VOLUME	CAPACITY	ACCESS MODES	STORAGECLASS	AGE
my-default-gold-vol	Bound	pvc-6e17b663-5f2e-452a-a88d-94737d9a950c	15Gi	RWO	gold	10s

```
kubectl get pv
```

NAME	CAPACITY	ACCESS MODES	RECLAIM POLICY	STATUS	CLAIM	STORAGECLASS	REASON	AGE
pvc-6e17b663-5f2e-452a-a88d-94737d9a950c	15Gi	RWO	Retain	Bound	default/my-default-gold-vol	gold		15s

## Cleanup: PVC & PV

```
kubectl delete pvc my-default-gold-vol
```

```
persistentvolumeclaim "my-default-gold-vol" deleted
```

```
kubectl get pvc
```

```
No resources found in default namespace.
```

```
kubectl get pv
```

NAME	CAPACITY	ACCESS MODES	RECLAIM POLICY	STATUS	CLAIM	STORAGECLASS	REASON	AGE
pvc-6e17b663-5f2e-452a-a88d-94737d9a950c	15Gi	RWO	Retain	Released	default/my-default-gold-vol	gold		4m7s

```
kubectl delete pv pvc-6e17b663-5f2e-452a-a88d-94737d9a950c
```

```
persistentvolume "pvc-6e17b663-5f2e-452a-a88d-94737d9a950c" deleted
```

```
kubectl get pv
```

```
No resources found
```

## Changing Storage Class to Default

```
kubectl display sc
```

NAME	PROVISIONER	AGE
gold (default)	kubernetes.io/gce-pd	13m
standard	kubernetes.io/gce-pd	15m

```
kubectl delete sc gold
```

```
storageclass.storage.k8s.io "gold" deleted
```

```
kubectl get sc
```

NAME	PROVISIONER	AGE
standard	kubernetes.io/gce-pd	16m

```
kubectl patch storageclass standard -p '{"metadata": {"annotations":{"storageclass.kubernetes.io/is-default-class":"true"}}}'
```

```
storageclass.storage.k8s.io/standard patched
```

```
kubectl get sc
```

NAME	PROVISIONER	AGE
standard (default)	kubernetes.io/gce-pd	21m