

## 15-storageclass

**StorageClass** What it is **StorageClass** defines dynamic provisioning parameters for persistent storage. When to use Standardize storage tiers (fast/slow, SSD/HDD) Enable dynamic PV creation from PVC requests Key fields **provisioner**: CSI driver identity parameters: backend-specific config **reclaimPolicy**: default PV reclaim behavior **volumeBindingMode**: Immediate or WaitForFirstConsumer **Common commands** `bash kubectl get storageclass kubectl describe storageclass standard kubectl patch storageclass standard -p '{"metadata":{"annotations":{"storageclass.kubernetes.io/is-default-class":"true"}}}'` **YAML example** `yaml apiVersion: storage.k8s.io/v1 kind: StorageClass metadata: name: fast-ssd provisioner: ebs.csi.aws.com parameters: type: gp3 reclaimPolicy: Delete allowVolumeExpansion: true volumeBindingMode: WaitForFirstConsumer` **Practical notes** WaitForFirstConsumer helps topology-aware placement. Keep one clear default StorageClass unless intentionally multi-default.