

Dynamic Volume Provisioning in Amazon EKS

Dynamic Volume Provisioning in Amazon EKS

Step 1: Create a StorageClass

```
```yaml
apiVersion: storage.k8s.io/v1
kind: StorageClass
metadata:
 name: gp2
provisioner: kubernetes.io/aws-ebs
parameters:
 type: gp2
reclaimPolicy: Retain
volumeBindingMode: WaitForFirstConsumer
```
```

Apply with:

```
```bash
kubectl apply -f storageclass.yaml
```
```

Step 2: Create a PersistentVolumeClaim (PVC)

```
```yaml
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
 name: ebs-claim
spec:
 accessModes:
 - ReadWriteOnce
 storageClassName: gp2
 resources:
 requests:
 storage: 4Gi
```
```

Apply with:

```
```bash
kubectl apply -f pvc.yaml
```
```

Step 3: Mount the PVC in a Pod

```
```yaml
apiVersion: v1
kind: Pod
metadata:
 name: ebs-volume-pod
spec:
 containers:
 - name: app
 image: busybox
 command: ["sleep", "3600"]
 volumeMounts:
 - mountPath: "/data"
 name: ebs-volume
```