apiVersion: v1

kind: PersistentVolume

metadata:

name: aws-pv1

labels:

type: aws-pv1

aws-availability-zone: us-east-1b

spec:

storageClassName: gp2

persistentVolumeReclaimPolicy: Delete

capacity:

storage: 2Gi

accessModes:

- ReadWriteOnce

awsElasticBlockStore:

volumeID: vol-07e1b40fd8c1a7470

fsType: ext4

---

apiVersion: v1

kind: PersistentVolume

metadata:

name: aws-pv2

labels:

type: aws-pv2

aws-availability-zone: us-east-1b

spec:

storageClassName: gp2

persistentVolumeReclaimPolicy: Delete

capacity:

storage: 3Gi

accessModes:

- ReadWriteOnce

awsElasticBlockStore:

volumeID: vol-0e4a8f7980e118a52

fsType: ext4

---

apiVersion: v1

kind: PersistentVolume

metadata:

name: aws-pv3

labels:

type: aws-pv3

aws-availability-zone: us-east-1b

spec:

storageClassName: gp2

persistentVolumeReclaimPolicy: Delete

capacity:

storage: 4Gi

accessModes:

- ReadWriteOnce

awsElasticBlockStore:

volumeID: vol-0907983fd1877f3c7

fsType: ext4

---

apiVersion: v1

kind: PersistentVolume

metadata:

name: aws-pv4

labels:

type: aws-pv4

aws-availability-zone: us-east-1b

spec:

storageClassName: gp2

persistentVolumeReclaimPolicy: Delete

capacity:

storage: 5Gi

accessModes:

- ReadWriteOnce

awsElasticBlockStore:

volumeID: vol-093a5fa8ad78170cb

fsType: ext4

---

apiVersion: v1

kind: PersistentVolume

metadata:

name: aws-pv5

labels:

type: aws-pv5

spec:

storageClassName: gp2

persistentVolumeReclaimPolicy: Delete

capacity:

storage: 6Gi

accessModes:

- ReadWriteOnce

awsElasticBlockStore:

volumeID: vol-0ed305734096192e5

fsType: ext4

========================================================================

apiVersion: v1

kind: PersistentVolumeClaim

metadata:

name: mongo-deployment-pv-claim1

spec:

storageClassName: gp2

accessModes:

- ReadWriteOnce

resources:

requests:

storage: 5Gi

selector:

matchLabels:

aws-availability-zone: us-east-1b

---

apiVersion: apps/v1

kind: Deployment

metadata:

name: mongo-deployment

labels:

app: mongodb

spec:

replicas: 1

selector:

matchLabels:

app: mongodb

name: mongodb

template:

metadata:

labels:

app: mongodb

name: mongodb

spec:

containers:

- image: mongo

name: mongodb

imagePullPolicy: Always

volumeMounts:

- name: mongodb-data

mountPath: /data/db

volumes:

- name: mongodb-data

persistentVolumeClaim:

claimName: mongo-deployment-pv-claim1

nodeSelector:

kubernetes.io/hostname: ip-172-20-79-26.ec2.internal

#-------------------------------------------

apiVersion: v1

kind: PersistentVolumeClaim

metadata:

name: mongo-deployment-pv-claim2

spec:

storageClassName: gp2

accessModes:

- ReadWriteOnce

resources:

requests:

storage: 4Gi

selector:

matchLabels:

aws-availability-zone: us-east-1b

---

apiVersion: apps/v1

kind: Deployment

metadata:

name: mongo-deployment-2

labels:

app: mongodb

spec:

replicas: 1

selector:

matchLabels:

app: mongodb

name: mongodb

template:

metadata:

labels:

app: mongodb

name: mongodb

spec:

containers:

- image: mongo

name: mongodb

imagePullPolicy: Always

volumeMounts:

- name: mongodb-data

mountPath: /data/db

volumes:

- name: mongodb-data

persistentVolumeClaim:

claimName: mongo-deployment-pv-claim2

nodeSelector:

kubernetes.io/hostname: ip-172-20-76-92.ec2.internal