Here is the deployment yaml:

```
[ec2-user@ip-172-31-84-37 deployments]$ vi hashicorpvault-deployment.yaml
apiVersion: v1
kind: Service
metadata:
  name: vault
  namespace: default
  labels:
    name: vault-svc
spec:
  ports:
    - name: vaultport
      port: 8200
  selector:
    app: vault
---
apiVersion: v1
kind: ReplicationController
metadata:
  name: vault
  namespace: default
spec:
  replicas: 1
  selector:
    app: vault
  template:
    metadata:
      labels:
        app: vault
    spec:
      containers:
        - name: vault
          image: 'vault:latest'
          imagePullPolicy: Always
          ports:
            - containerPort: 8200
              name: vaultport
```

Run vault as a service:

kubectl create -f hashicorpvault-deployment.yaml

```
[ec2-user@ip-172-31-84-37 deployments]$ kubectl create -f hashicorpvault-deployment.yaml
service "vault" created
replicationcontroller "vault" created
```

Now verify the deployment:

Kubectl get all

```
[ec2-user@ip-172-31-84-37 deployments]$ kubectl get all
NAME                                    READY     STATUS    RESTARTS   AGE
po/nginx-deployment-75675f5897-6lq5x    1/1       Running   0          39m
po/nginx-deployment-75675f5897-98hxg    1/1       Running   0          39m
po/nginx-deployment-75675f5897-jfd9n    1/1       Running   0          39m
po/vault-xn256                          1/1       Running   0          4m

NAME       DESIRED   CURRENT   READY     AGE
rc/vault   1         1         1         4m

NAME             CLUSTER-IP      EXTERNAL-IP   PORT(S)    AGE
svc/kubernetes   100.64.0.1      <none>        443/TCP    98d
svc/vault        100.71.78.117   <none>        8200/TCP   4m

NAME                        DESIRED   CURRENT   UP-TO-DATE   AVAILABLE   AGE
deploy/nginx-deployment     3         3         3            3           98d

NAME                               DESIRED   CURRENT   READY     AGE
rs/nginx-deployment-75675f5897     3         3         3         98d
```