

## Secrets

```
DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ ls
1-nginx-daemonset.yaml  12-podpreset-1.yaml  4-nfs-nginx.yaml  5-secrets.yaml  7-pod-quota-mem.yaml  cert-manager-demo/
1-nginx-deployment.yaml 12-podpreset-2.yaml  4-pv-hostpath.yaml 6-configmap-1.yaml 7-quota-count.yaml  glusterfs-provisioner/
1-nginx-pod.yaml        12-podpreset-3.yaml  4-pv-nfs.yaml      6-configmap-2.yaml 7-quota-limitrange.yaml  ingress-demo/
1-nginx-replicaset.yaml 2-cronjob.yaml       4-pvc-hostpath.yaml 6-pod-configmap-env.yaml 7-quota-mem.yaml  istio-demo/
10-hpa-mem.yaml         2-job.yaml           4-pvc-nfs.yaml      6-pod-configmap-mysql-volume.yaml 8-nginx-rolling-update.yaml  misc/
10-hpa.yaml             3-init-container.yaml 5-pod-secret-env.yaml 6-pod-configmap-volume.yaml 9-nginx.yaml  mongodb/
11-pdb.yaml             4-busybox-pv-hostpath.yaml 5-pod-secret-volume.yaml 7-pod-quota-mem-exceed.yaml 9-sts-pv.yaml  nfs-provisioner/

DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ cat 5-secrets.yaml
apiVersion: v1
kind: Secret
metadata:
  name: secret-demo
type: Opaque
data:
  username: <base64 encoded value>
  password: <base64 encoded value>

DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ echo -n 'kubeadmin' | base64
a3ViZWFKbWlu

DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ echo -n 'mypassword' | base64
bXlwYXNzd29yZA==

DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ cat 5-secrets.yaml
apiVersion: v1
kind: Secret
metadata:
  name: secret-demo
type: Opaque
data:
  username: a3ViZWFKbWlu
  password: bXlwYXNzd29yZA==

DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ kubectl create -f 5-secrets.yaml
secret/secret-demo created

DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ kubectl get secrets

```

NAME	TYPE	DATA	AGE
default-token-2cjh	kubernetes.io/service-account-token	3	28h
secret-demo	Opaque	2	14s

```

DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ kubectl get secret secret-demo -o yaml
apiVersion: v1
data:
  password: bXlwYXNzd29yZA==
  username: a3ViZWFKbWlu
kind: Secret
metadata:
  creationTimestamp: "2022-11-15T14:25:36Z"
  name: secret-demo
  namespace: default
  resourceVersion: "126677"
  uid: 2a836bc7-8d94-40c3-91cc-ac6fbc2e5aa
type: Opaque

DR@DESKTOP-2PMUM4M MINGW64 /d/Mahfuz/Vagrant/kubernetes/yamls
$ kubectl describe secret secret-demo
Name:          secret-demo
Namespace:     default
Labels:        <none>
Annotations:   <none>

Type:          Opaque

Data
===
password: 10 bytes
username: 9 bytes
```