

Step 1 - Creating a Secret Using kubectl

Store the username in a file ./username.txt and the password in a file ./password.txt on your local machine

echo -n 'admin' > ./username.txt echo -n '1f2d1e2e67df' > ./password.txt

kubectl create secret generic db-user-pass --from-file=./username.txt --from-file=./password.txt

```
SJCMAC17JJHD4:Downloads lcastro$ echo -n 'admin' > ./username.txt
SJCMAC17JJHD4:Downloads lcastro$ echo -n '1f2d1e2e67df' > ./password.txt
SJCMAC17JJHD4:Downloads lcastro$ kubectl create secret generic db-user-pass --from-file=./username.txt --from-file=./password.txt
secret/db-user-pass created
```

Step 2 - Check for secrets created

kubectl get secrets

[SJCMAC17JJHD4:Downloads castro\$ kubect get secrets				
NAME	TYPE	_	DATA	AGE
db-user-pass	Opaque Company		2	2m15s

kubectl describe secrets db-user-pass



Step 3 - Assign Secret to a Pod

vi pod-secret.yaml

apiVersion: v1 kind: Pod metadata: name: mypod

spec:

containers:
- name: mypod
image: redis
volumeMounts:

- name: foo

mountPath: "/etc/foo"

readOnly: true

volumes:name: foosecret:

secretName: db-user-pass

kubectl create -f pod-secret-yaml

```
[SJCMAC17JJHD4:Downloads loastro$ vi pod-secret.yaml
[SJCMAC17JJHD4:Downloads loastro$ kubectl create -f pod-secret.yaml
pod/mypod created
```

Step 4 - Check the Pod created

kubectl get pods

kubectl get pod -o wide

```
[SJCMAC17JJHD4:Downloads loastro$ kubectl get pods

NAME READY STATUS RESTARTS AGE
mypod 1/1 Running 0 8m24s

[SJCMAC17JJHD4:Downloads loastro$ kubectl get pods -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES 8 and a mypod 1/1 Running 0 8m27s 172.17.0.11 minikube <none> <none>
```



kubectl get pod mypod -o yaml





kubectl describe pod mypod

default 0				
o ⊲none>				
<pre><pre><pre></pre></pre></pre>				
Sat, 11 Apr 2020 14:06:20 -0500				
<none></none>				
⊲none> NETWORKS Running				
172.17.0.11				
IP: 172.17.0.11 Containers: mypod: Step 1 Validate Virtualizacion Support				
redis				
docker-pullable://redis@sha256:a732b1359e338a539c25346a50bf0a501120c41dc248d868e546b33e32bf4fe4				
<none> <none></none></none>				
ote: Running				
tur				
Started: Sat, 11 Apr 2020 14:08:29 -0500 p -Ecolor machdep.cpu.featur Ready: True				
Environment: In you see VMX in the output (should be colored), the VT-x feature				
/etc/foo from foo (ro) /var/run/secrets/kubernetes.io/serviceaccount from default—token—h5pd4 (ro)				
/var/ran/secrecs/kaberneces.to/serviceaccount from derdatt-token-nopa4 (ro) Conditions:				
Type Statusheck if virtualization is supported on Windows 8 and above				
Intitutizeu irue				
Ready True your Windows terminal or command prompt.				
ContainersReady True				
PodScheduled True teminfo Volumes:				
votumes: foo:				
Type: Secret (a volume populated by a Secret) SecretName: db-user-pass Sec the following output, virtualization is supported on Wi				
Optional: false				
default-token-h5pd4: Type: Secret (a volume populated by a Secret)				
VM Monitor Mode Exten				
Virtualization Enable				
VIII CUATIZACION ENABLE				
Second Level Address				
ven				
Нуре				



Step 5 - Check the Pod created

kubectl delete secret db-user-pass

kubectl delete pod my pod

[SJCMAC17JJHD4:Downloads lcastro\$ kubectl delete secret db-user-pass secret "db-user-pass" deleted [SJCMAC17JJHD4:Downloads lcastro\$ kubectl delete pod mypod pod "mypod" deleted