

Terminal



Your Interactive Bash Terminal. A safe place to learn and execute commands.

```
controlplane $ launch.sh
Waiting for Kubernetes to start...
username=$(echo -n "admin" | base64)
password=$(echo -n "a62fjbd37942dcs" | base64)
Kubernetes started
controlplane $ username=$(echo -n "admin" | base64)
controlplane $ password=$(echo -n "a62fjbd37942dcs" | base64)
controlplane $ echo "apiVersion: v1"
> kind: Secret
> metadata:
>   name: test-secret
> type: Opaque
> data:
>   username: $username
>   password: $password" >> secret.yaml
controlplane $ kubectl create -f secret.yaml
secret/test-secret created
controlplane $ kubectl get secrets
NAME                                TYPE                                DATA  AGE
default-token-mhqwz                 kubernetes.io/service-account-token 3      3s
test-secret                         Opaque                             2      2s
controlplane $ cat secret-env.yaml
apiVersion: v1
kind: Pod
metadata:
  name: secret-env-pod
spec:
  containers:
  - name: mycontainer
    image: alpine:latest
    command: ["sleep", "9999"]
    env:
    - name: SECRET_USERNAME
      valueFrom:
        secretKeyRef:
          name: test-secret
          key: username
    - name: SECRET_PASSWORD
      valueFrom:
        secretKeyRef:
          name: test-secret
```

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```
valueFrom:
  secretKeyRef:
    name: test-secret
    key: username
- name: SECRET_PASSWORD
  valueFrom:
    secretKeyRef:
      name: test-secret
      key: password
restartPolicy: Never
controlplane $ kubectl create -f secret-env.yaml
pod/secret-env-pod created
controlplane $ kubectl exec -it secret-env-pod env | grep SECRET_
Error from server (BadRequest): pod secret-env-pod does not have a host assigned
controlplane $ kubectl get pods
NAME          READY   STATUS    RESTARTS   AGE
secret-env-pod 0/1     Pending   0           3s
controlplane $ cat secret-pod.yaml
apiVersion: v1
kind: Pod
metadata:
  name: secret-vol-pod
spec:
  volumes:
  - name: secret-volume
    secret:
      secretName: test-secret
  containers:
  - name: test-container
    image: alpine:latest
    command: ["sleep", "9999"]
    volumeMounts:
    - name: secret-volume
      mountPath: /etc/secret-volume
controlplane $ kubectl create -f secret-pod.yaml
pod/secret-vol-pod created
controlplane $ kubectl exec -it secret-vol-pod ls /etc/secret-volume
Error from server (BadRequest): pod secret-vol-pod does not have a host assigned
controlplane $ kubectl exec -it secret-vol-pod cat /etc/secret-volume/username
Error from server (BadRequest): pod secret-vol-pod does not have a host assigned
controlplane $ kubectl exec -it secret-vol-pod cat /etc/secret-volume/password
Error from server (BadRequest): pod secret-vol-pod does not have a host assigned
controlplane $
```