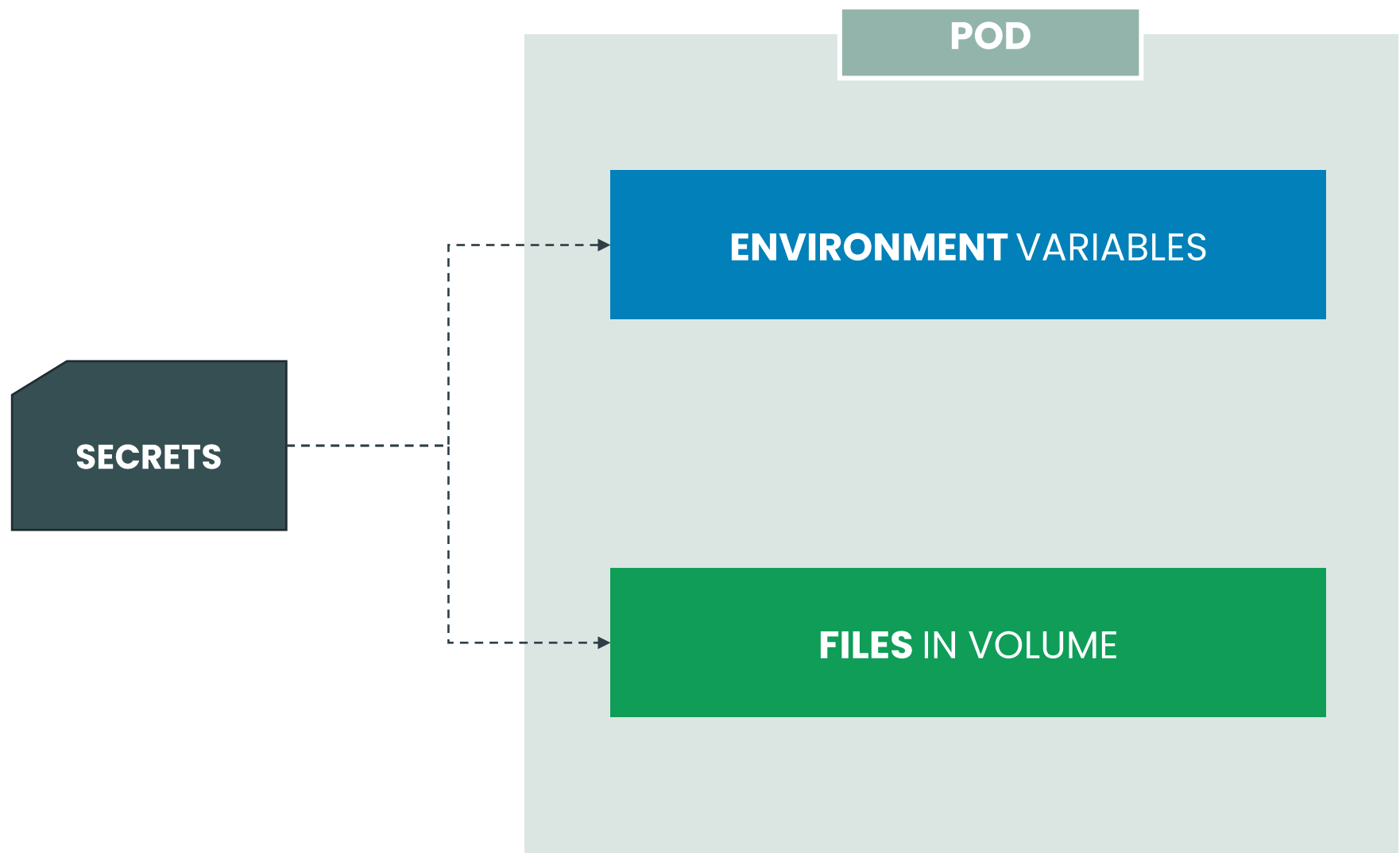




Injecting Secrets into Pod



INJECTING SECRETS INTO PODS



INJECTING SECRETS AS ENVIRONMENT VARIABLES INTO POD

Secret Name: **db-user-pass**

username: **admin**

password: **1f2d1e2e67df**

```
# secrets.yaml
apiVersion: v1
kind: Secret
metadata:
  name: db-user-pass
type: Opaque
data:
  username: YWRtaW4=
  password: MWYyZDF1MmU2N2Rm
```

```
# my-secrets-pod-env.yaml
```

```
apiVersion: v1
```

```
kind: Pod
```

```
metadata:
```

```
  name: secret-env-pod
```

```
spec:
```

```
  containers:
```

```
  - name: mycontainer
```

```
    image: redis
```

```
    env:
```

```
    - name: SECRET_USERNAME
      valueFrom:
```

```
        secretKeyRef:
```

```
          name: db-user-pass
```

```
          key: username
```

```
    - name: SECRET_PASSWORD
```

```
      valueFrom:
```

```
        secretKeyRef:
```

```
          name: db-user-pass
```

```
          key: password
```

```
restartPolicy: Never
```

Secret-ENV-POD

```
echo $SECRET_USERNAME
admin
```

```
echo $SECRET_PASSWORD
1f2d1e2e67df
```

```
env | grep SECRET
SECRET_USERNAME=admin
SECRET_PASSWORD=1f2d1e2e67df
```

```
kubectl exec secret-env-pod env
```

INJECTING SECRETS **AS FILES** INTO POD VOLUME

Secret Name: **db-user-pass**

username: **admin**

password: **1f2d1e2e67df**

File **Name**

File **Content**

```
# secrets.yaml
```

```
apiVersion: v1
```

```
kind: Secret
```

```
metadata:
```

```
  name: db-user-pass
```

```
type: Opaque
```

```
data:
```

```
  username: YWRtaW4=
```

```
  password: MWYyZDFlMmU2N2Rm
```

```
# my-secrets-pod-vol.yaml
```

```
apiVersion: v1
```

```
kind: Pod
```

```
metadata:
```

```
  name: secret-vol-pod
```

```
spec:
```

```
  volumes:
```

```
  - name: testvol
```

```
    secret:
```

```
      secretName: db-user-pass
```

```
      items:
```

```
      - key: username
```

```
        path: my-group/my-username
```

```
      - key: password
```

```
        path: my-group/my-password
```

```
  containers:
```

```
  - name: mypod
```

```
    image: redis
```

```
    volumeMounts:
```

```
    - name: testvol
```

```
      mountPath: "/etc/foo"
```

```
      readOnly: true
```

secret-vol-pod

admin

/etc/foo/my-group/my-username

1f2d1e2e67df

/etc/foo/my-group/my-username

```
kubectl exec secret-vol-pod ls /etc/foo/
```

```
kubectl exec secret-vol-pod ls /etc/foo/my-group/
```