

Console TLS

#Console #TLS

Create a secret with the certificates

```
kubectl create secret tls operator-console-tls \  
  --namespace minio-operator \  
  --key private.key \  
  --cert public.crt
```

Configure Console Deployment

Modify Container `args`

```
containers:  
  - args:  
    - server  
    - --certs-dir=/tmp/certs
```

Add a `volumeMounts` to the container

```
volumeMounts:  
  - mountPath: /tmp/certs  
    name: tls-certificates
```

Add a `volume` to the pod definition

```
volumes:  
  - name: tls-certificates  
    projected:  
      defaultMode: 420  
      sources:
```

```
- secret:  
  items:  
    - key: tls.crt  
      path: CAs/public.crt  
    - key: tls.crt  
      path: public.crt  
    - key: tls.key  
      path: private.key  
  name: operator-console-tls
```

Final Example Product

```
apiVersion: apps/v1  
kind: Deployment  
metadata:  
  name: console  
  namespace: minio-operator  
spec:  
  replicas: 1  
  selector:  
    matchLabels:  
      app: console  
  template:  
    metadata:  
      labels:  
        app: console  
    spec:  
      securityContext:  
        fsGroup: 2000  
        runAsGroup: 2000  
        runAsNonRoot: true  
        runAsUser: 1000  
      containers:  
        - args:  
            - server  
            - --certs-dir=/tmp/certs
```

```
env:
  - name: CONSOLE_OPERATOR_MODE
    value: "on"
image: minio/console:v0.7.5
imagePullPolicy: IfNotPresent
name: console
ports:
  - containerPort: 9090
    name: http
  - containerPort: 9433
    name: https
volumeMounts:
  - mountPath: /tmp/certs
    name: tls-certificates
serviceAccountName: console-sa
volumes:
  - name: tls-certificates
    projected:
      defaultMode: 420
      sources:
        - secret:
            items:
              - key: tls.crt
                path: CAs/public.crt
              - key: tls.crt
                path: public.crt
              - key: tls.key
                path: private.key
            name: operator-console-tls
```