

Install Kubernetes Operator

The Infisical Operator is a collection of Kubernetes controllers that streamline how secrets are managed between Infisical and your Kubernetes cluster. It provides multiple Custom Resource Definitions (CRDs) which enable you to:

- **Sync** secrets from Infisical into Kubernetes (`InfisicalSecret`).
- **Push** new secrets from Kubernetes to Infisical (`InfisicalPushSecret`).
- **Manage** dynamic secrets and automatically create time-bound leases (`InfisicalDynamicSecret`).

Install the latest Helm repository

```
helm repo add infisical-helm-charts 'https://dl.cloudsmith.io/public/infisical/helm-charts/helm/charts/'
helm repo update
helm install --generate-name infisical-helm-charts/secrets-operator
```

Create self sign cert

```
openssl req -x509 -newkey rsa:4096 -keyout key.pem -out cert.pem -days 365 -nodes
```

```
kubectl create secret tls custom-ca-certificate --cert=cert.pem --key=key.pem -n default
```

Applying global configurations

```
apiVersion: v1
kind: Namespace
metadata:
  name: default
---
apiVersion: v1
kind: ConfigMap
metadata:
  name: infisical-config
  namespace: default
```

data:

```
hostAPI: http://192.168.88.14/api # <-- global hostAPI  
tls.caRef.secretName: custom-ca-certificate # <-- global TLS CA secret name  
tls.caRef.secretNamespace: default # <-- global TLS CA secret namespace  
tls.caRef.key: ca.crt # <-- global TLS CA secret key
```

```
kubectl apply -f infisical-config.yaml
```

[Reference](#)

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