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# Installing Sync server

Guide to install Sync server on Kubernetes.

## Prerequisites

Soffid IAM sync server requires the following requirements:

- Supported database installed
- Soffid Console Installed

## Video Tutorial

### Linux

<https://www.youtube.com/embed/XZFMLQ0OkAA?rel=0>

## Installation

You can use the docker image described at [Installing Sync server using Docker](#). Here you have a sample Kubernetes YAML descriptor to deploy it.

```
# Secrets to store syncserver configuration
apiVersion: v1
kind: Secret
metadata:
  name: syncserver
type: Opaque
data:
```

config: c3Nva20=

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# Service account for sync server

apiVersion: v1

kind: ServiceAccount

metadata:

name: syncserver

---

# Role to access the sync server

kind: ClusterRole

apiVersion: rbac.authorization.k8s.io/v1

metadata:

name: syncserver

rules:

- verbs:

- get

- update

apiGroups:

- ""

resources:

- deployments

- pods/attach

- secrets

- secrets/syncserver

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kind: RoleBinding

apiVersion: rbac.authorization.k8s.io/v1

metadata:

name: syncserver

namespace: default

subjects:

- kind: ServiceAccount

name: syncserver

roleRef:

apiGroup: rbac.authorization.k8s.io

kind: ClusterRole

name: syncserver

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apiVersion: apps/v1

kind: Deployment

```
metadata:
  name: syncserver01
  labels:
    app: soffid
    type: syncserver
spec:
  replicas: 1
  selector:
    matchLabels:
      app: soffid
      type: syncserver
  template:
    metadata:
      labels:
        app: soffid
        type: syncserver
    spec:
      serviceAccountName: syncserver
      containers:
        - name: syncserver
          image: soffid/iam-sync:3.0.0
          ports:
            - containerPort: 760
              name: syncserver-port
          readinessProbe:
            initialDelaySeconds: 5
            failureThreshold: 1
            httpGet:
              path: /diag
              scheme: HTTPS
              port: 760
          livenessProbe:
            initialDelaySeconds: 5
            timeoutSeconds: 3
            failureThreshold: 3
            httpGet:
              path: /diag
              scheme: HTTPS
              port: 760
      env:
```

```
- name: DB_USER
  value: soffid
- name: DB_PASSWORD
  value: 5uper5ecret
- name: SOFFID_HOSTNAME
  value: syncserver01.cloud.soffid.com
- name: SOFFID_MAIN
  value: "yes"
- name: KUBERNETES_CONFIGURATION_SECRET
  value: "syncserver"
- name: DB_URL
  value: jdbc:mariadb://mariadb-service/soffid
```

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apiVersion: v1

kind: Service

metadata:

name: syncserver

spec:

externalTrafficPolicy: Local

type: LoadBalancer

selector:

app: soffid

type: syncserver

ports:

- name: syncserver

protocol: TCP

port: 760

targetPort: 760

## Linux commands

Apply the YAML file with the defining Kubernetes resources

```
kubectl apply -f syncserver.yaml
```

Check deployments

```
kubectl get deployments
```

Check pods: you can check pods and their status

```
kubect! get pods
```

View Sync server log

```
kubect! logs <your-pod-syncserver-name>
```

Now you can connect to the IAM console <http://<Node-Ip>:<publish-port>/soffid> and chek if Console and Syncserver are connected.

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