
Installing IAM Console

Guide to install IAM Console on Kubernetes.

Prerequisites

- Kubernetes
- 8GB RAM
- > 10GB disk space
- Supported database installed

Video Tutorial

Linux

<https://www.youtube.com/embed/kcMO1DZeD4w?rel=0>

Installation

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

Mind that any certificate present in the folder `/opt/soffid/iam-console-3/trustedcerts` is considered as a trusted certificate. It is important to include the root syncserver certificate or any other certificate the console must connect with.

Another aspect to be aware of is the DNS resolution cache implemented by the java virtual machine. Because pods and service names often change its IP address, it suggested to disable the DNS cache adding the **-Dsun.net.inetaddr.ttl=-1** parameter.

MIIgCCCBVigAwIBAgIRAOFY+IkZ+FTddCqKixlQEIMwDQYJkoZIhvcNAQELBQAwwGy8xXzAjBgNVBAYTAkdCMRswGQYDVQQIEjHcmVhdGVyIE1hbmlNoZXN0ZXIxEDAOBgNVBAcTB1NhbgZvcmQxGDAWBgNVBAoTD1NIY3RpZ28gTGlt aXRIZDE3MDUGA1UEAxMuU2VjdGlubyBSU0EgRG9tYWluIFZhbkGlkYXRpb24gU2VjdXJlIENlcjZiciBDQTAEfw0xOTA2 MTgwMDAwMDBaFw0yMTA2MTcyMzU5NTlaMFkxITAFBgNVBAstGERvbWFPbiBDb250cm9sIFZhbkGlkYXRIZDEdMBs GA1UECxMUUG9zaXRpdmlVTU0wgV2lsZGNhcmQxFTATBgNVBAMMDCouc29mZmlkLmNvbTCCASlwDQYJKoZIhvcN AQEBBQADggEPADCCAQoCggEBAKnDKURLcT1XfaMjmIU8QtzdVe1XG1Oo4LrrEyUVBaAA/5RPcWrvcClf2Kq6/JTBB xbwvJP1pHANinwTGLam2INTL2jvlyYXC/oA0hqBRxDcbjkq7e7fj6R2rcFjCAx0jUiylzfGzmP/QX+ju7KrJ33sR4DPAG47X nz8XgWJMuxDoSvQ8NeaWNAUjK7Pt3vHB/QD40MAAisXuOq1w11R3MzeJvOnHgNPvxqGvVdHTDX5RwHoVEMEHF7I QY0Mh2olejQgN+vPOJNjh6vd7HiVUIVLXop8qhjjQgy2DQS2VGTUBObTFTgD81UPKzZgRzlziU3RWimZMVgHjzDn9M mzkcCAwEAaOCAvowggL2MB8GA1UdlwQYMBaAFI2MXSRURyrhd+mb+ZsF4bgBJWHHMB0GA1UdDgQWBbTPiYcz qwQVFTogNEQydqg0WGGnwzAOBgNVHQ8BAf8EBAMCBaAwDAYDVR0TAQH/BAIwADAdBgNVHSUEFjAUBggrBgEF BQCDAQYIKwYBBQUHAwlwSQYDVR0gBEIwQDA0BgSrBgEEAbIAQICBzAIMCMGCCSGAQUBwIBFhdodHRwczoV3N lY3RpZ28uY29tL0NQZAIBgZngQwBAgEwgYQGccSGAQUBwEBBHgwdjBPBggrBgEFBQcwAoZDaHR0cDovL2Ny dC5zZWNOaWdvLmNvbS9TZWN0aWdvUINBRG9tYWluVmFsawWRhdGlvbiINIY3VyZVNlcjZickNBMLmNydDAjBggrBgEFBQ cwAYYXAHR0cDovL29jc3Auc2VjdGluby5jb20wllwYDVR0RBbBwwGoIMKi5zb2ZmaWQuY29tgpgzb2ZmaWQuY29tMI I BfgYKKwYBBAHWeQIEAgSCAW4EggFqAWGAdgC72d+8H4pxtZOUI5eqkntHOFeVCqtS6BqQImQ2jh7RhQAAAwtpdk 7pAAAEAwBHMEUCIQCYc83CoGLtckCrDeTAph3U/+XMqwKEPwqEgi9bu7xNBglgKachYG2OED40K9pd9byRWUjy+B eV+5tVeN+I8JD48XoadQBElGUusO7Or8RAB9io/IjA2uaCvtjLMbU/0zOWtbabQAAAAtPdk7+AAAEAwBGMEQCIFjq u2Q/TTq48nkobC87nrfgE9FQmUp4PI98U90ygJAiBoFsiy0kz2ZDNz+BeAVjqAj7UsnrNlv8vwG3V7rh6kxgB3AG9Td q wx8DEZ2JkApFEV/3cVBHZAseAKQaNsgiaN9kTAAABa2I2Tv4AAAQDAEGwRglhAMLmnVu4rduXSiaC5pfbk6uQsceV 6zEx1fgNjQXNupDwaIEatCh5VG2IC6iWy0chA/PfC5ejmIgBAmHbYLxs9uiOWwwwDQYJKoZIhvcNAQELBQADggEBAB

qZ8Stnzkk/abCQTMjOhNsSswSZZ74mszAGrd+emh7/VhLeJ29AaoMiCF5j0uphx/t9id5UmKbqwuapo9E1NuAVQqDO
V1N0wV4Awa2nEivbDcuDCTMX6VtOK3DnCN9yLMdD6GF9xcwzsgz5wKXu2Dxwt4vw05KIM+4Myy91sEpifa62+q
dzR/Vfbv6SqeL1lzTDyHMzEtBu/4jL189VeSkTVvdKGT1g6eAMHTX562z7jjgTH23c2zoICEj9YPd+KUbt6/OO+Pljsj0Me
TzO1QImj2syqCE/O4tYyHOHOdHJcrVSP951nCu0bkH6MBUhFvgk8a6rjl8tcnZCpsdcNU=

apiVersion: apps/v1

kind: Deployment

metadata:

name: soffid-console

labels:

app: soffid

type: console

spec:

replicas: 1

selector:

matchLabels:

app: soffid

type: console

template:

metadata:

labels:

app: soffid

type: console

spec:

containers:

- name: soffid-console

image: soffid/iam-console:3.0.0

imagePullPolicy: Always

resources:

limits:

memory: 4Gi

requests:

memory: 2Gi

volumeMounts:

- name: trusted-certs-volume

mountPath: /opt/soffid/iam-console-3/trustedcerts

ports:

- containerPort: 8080

env:

- name: DB_USER

```
      value: soffid
    - name: DB_PASSWORD
      value: Super5ecret
    - name: JAVA_OPT
      value: "-Xmx4048m -Dsun.net.inetaddr.ttl=1"
    - name: DB_URL
      value: jdbc:mariadb://mariadb-service:3306/soffid
  imagePullSecrets:
    - name: regcred
  volumes:
    - name: trusted-certs-volume
  secret:
    secretName: trusted-certs
---
apiVersion: v1
kind: Service
metadata:
  name: iam-console-service
spec:
  selector:
    app: soffid
    type: console
  type: loadBalancer
  ports:
    - name: web
      protocol: TCP
      port: 8080
      targetPort: 8080
```

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

```
kubectl get pods
```

View the IAM console log

```
kubectl logs <your-pod-iamconsole-name>
```

When the console is created, the password for the user *admin* will be *changeit* and it will be valid for 24 hours.

Now you can connect to Soffid Console <http://<Node-Ip>:<publish-port>/soffid> The first thing you must do is to change the admin user password.

Next Step: [Installing Sync server](#)

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