
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.

apiVersion: v1

kind: Secret

metadata:

name: trusted-certs

data:

syncserver:

MIIC+TCCAeGgAwIBAgIGAWwFI+dWMA0GCSqGSib3DQEBCwUAMDMxDzANBgNVBAMMBIjvb3RDQTEPMA0GA1UECwwGbWZfdGVyMQ8wDQYDVQQKDAZTb2ZmaWQwHhcNMTkwNzE3MTMwMjE0WWhcNMjkwNzE4MTMwMjE0WjAzMQ8wDQYDVQQDDAZSb290Q0ExDzANBgNVBAsMBm1hc3RlcjEPMA0GA1UECgwGU29mZmlkMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEArkRq5/Kq1a/WII00xzuxj0CDaH/L3G01dN5tXEFMXnm4VgDaaQXEjxGL0HEO47flDWGvJckLxIHSgEtRaHTquLRYLfHwHw3S0CC/DqdYcMZGG7QkCHDfdGunIoRGvWOAYOaV0pSiqBsfXhqG/7R4Ux7kx7mWoRXHnTyWXZl6tINI9k2fC47fol5uMsbIB3bybNnzLw2JvdwC6I8bbzf1j38r98WevdzQMvYxn10CQjLz2ZN7irYpgHzaBPoZlwKNVBhf7Tke9TDWuGO5G2UXTpys3euyTFw82TeetNTydcVK8SpdGKMIN95Cj2pgwzzz9d+qaMbN0tju2CuGO+TROwIDAQABoxMwETAPBgNVHRMBAf8EBTADAQH/MA0GCSqGSib3DQEBCwUAA4IBAQApbPFO3fMILOdvgx+O8w7JjyxOJNG+ogV7QH+ipxM6eyCWLl7eujBRSc7skR61Hw0H6Ka+ExFjHOqe0u/yslg/ITIWTV6olaD8OpT3GKsZqhiQpBO6dKqPs8JcwMt4gBbQ7YxfYefk3OER6PUG9sk8OPMmdeF+jQu1bWijUNPB0qEPio+NWxc+SF0/lj1DQF2sW9yDb5LvbsgrkQXewvp6eUJPPwHh+pGqNKKuHkwTCfu5cUtNBMAC6CQjjCm6CUy4BYxRcF3zfzjV2nK3zTeshF7wk95ZMaC8IGYbYwZ86qT/x/Pxx/qYOjRftSr6/Y58heYvfXLFM1pceQYVW9v

star_soffid_com:

MIIGcDCCBvigAwIBAgIRAOFY+IkZ+FTddCqKixIQEIMwDQYJKoZIhvcNAQELBQAwgY8xCzAJBgNVBAYTAkdCMRswGQYDVQQIEExHcmVhdGVyIE1hbmNoZXN0ZXIxEDAQOBgNVBACB1NhbGZvcmlkLWUwDQYDVQDQkDBA0GA1UEAxMuU2VjdGlnbyBSU0EGRG9tYWluIFZhbGlkYXRpb24gU2VjdXJlIFNlcnZlcnBDQTAeFw0xOTA2MTgwMDAwMDBaFw0yMTA2MTcyMzU5NTlaMFkxITAfBgNVBAStGERvbWVpbiBD250cm9sIFZhbGlkYXRlZDEdMBsGA1UECXMUUG9zaXRpdmVTU0wgV2lsZGNhcmQxFTATBgNVBAMMDCouc29mZmlkLmNvbTCCASlwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAKnDKURLcT1XfaMjmlU8QtxdhVe1XG1Oo4LrrEyUVBaAA/5RPcWrvkCif2Kq6/JTBBxbwvJP1pHAninwTGLam2INTL2jvlyYXC/oA0hqbrXDCBjkq7e7fj6R2rcFjCax0jUiyzlfzgmP/QX+ju7Krj33sR4DPAG47Xnz8XgWjMuXdoSvQ8NeaWNAUjK7Pt3vHB/QD40MAAisXuOq1w11R3MzEjv0nHgNPvxqGvVdHTDX5RwHoVEMEHF7IQY0Mh2olejQgN+VPOJNjh6vd7HiVUIVLXop8qhjjQgy2DQS2VGTUBObTFTgD81UPKzZgRzliU3RWimZMVgHjzDn9MmzkcCAwEAAaOCAvowggL2MB8GA1UdIwQYMBaAFI2MXsRUrYrhd+mb+ZsF4bgBjWHhMB0GA1UdDgQWBbTPiYczqwQVFTogNEQydaqg0WGGnwzAOBgNVHQ8BAf8EBAMCBaAwDAYDVR0TAQH/BAIwADAdBgNVHSUEfjAUBggrBgEFBQcDAQYIKwYBBQUHAwIwSQYDVR0gBEIwQDA0BgsrBgEEAbIxAQICBzAIMCMGCCsGAQUFBwIBFhdodHRwczovL3NlY3RlZ28uY29tL0NQZuAIBgZngQwBAGewYQGccsGAQUFBwEBBHgwdjBpBggrBgEFBQcwAoZDaHR0cDovL2NydC5zZWNOaWdvLmNvbS9TZWN0aWdvUINBRG9tYWluVmFsaWRhdGlvbINIY3VyZVNIcnZlcnNBLmNydDAjBggrBgEFBQcwAYYXhAR0cDovL29jc3Auc2VjdGlnby5jb20wIwYDVR0RBBwwGoIMKi5zb2ZmaWQwY29tggpz2ZmaWQwY29tMIIBfgYKKwYBBAHWeQIEAgSCAW4EggFqAwGAdgC72d+8H4pxtZOUi5eqkntHOFVCqtS6BqQImQ2jh7RhQAAAWtpdk7pAAAEAwBHMEUCIQCYc83CoGLtckCrDEtAph3U/+XMqwkEPwqEgi9bu7xNBglgKachYG2OED40K9pd9byRWUjy+B eV+5tVeN+I8JD48XoAdQBEIGUusO7Or8RAB9io/ijA2uaCvtjLMbU/0zOWtbaBqAAAAWtpdk7+AAAEAwBGMEQCIFqjuu2Q/TTq48nkobC87nRfgE9FQmIUp4PI98U90ygjAiBoFsiy0kz2ZDNz+BeAVjqAj7UsnrNlv8vwG3V7rh6kxgB3AG9TdqwX8DEZ2JkApFEV/3cVHBHZAseAKQaNs9kTAAABa2I2Tv4AAAQDAEgwRglhAMlmNvu4rduXSiaC5pfbk6uQsceV6zEx1fgNjQXNupDwAiEAtCh5VG2IC6iWy0chA/PfC5ejmlgBAmHbYLxsr9uiOWwwwDQYJKoZIhvcNAQELBQADggEBAB

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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