Installing IAM Console

Guide to install IAM Console using Docker.

Prerequisites

- Docker
- 8GB RAM
- > 10GB disk space (50GB recomended)
- Supported database installed

Repositories

Soffid 3 uses the public Docker Hub: https://hub.docker.com/r/soffid/iam-console/

Soffid 4 uses the Google Cloud Artifact Registry, contact to Soffid when you need access to it.

Video Tutorial

https://www.youtube.com/embed/pEP76i7nX2M?rel=0

Installation

Soffid variables

To configure IAM console, the following environment variables can be set:

Variable	Description	Example

DB_URL	JDBC URL	jdbc:mariadb://dbcontainer/soffid jdbc:oracle:thin:@HOST:PORT:SID jdbc:oracle:thin:@//HOST:PORT/SERVICENAME
DB_USER	Database user	Soffid
DB_PASSWORD	Database password	5uper5ecret
JAVA_OPT	Java virtual machine options	-Xmx4096m
SECURE	(optional) Enables the Java Security Manager	true
SOFFID_TRUSTED_SCRIPTS	(optional) Allows you to use insecure classes. Available since console version 3.5.6	true false
HIDE_MENU	(optional) Allows you to hide the Console menu options. Available since console version 3.5.6	soffid.admin You can choose the proper option from the Console.yaml file.
AUTH_METHODS	(optional) Allows to force the authentication mechanisms. This configuration overrides the one configured in the authentication option of the Soffid console. Available since console version 3.5.6	Options SAML PASSWORD SAML PASSWORD
EXTERNAL_URL	(optional) Allows to override host name configuration when there are two Consoles. Available since console version 3.5.9.5	https://soffid.lab.internal.com
SECURE_SCRIPT	Available since console 3.6.72 and console 4.0.56. Allows to execute scripts with trusted and custom tructed clasess	true false (by default)
TRUSTED_CLASSES	Available since console 3.6.72 and console 4.0.56. Add new trusted classes (all package) separated by space	
SOFFID_DISABLE_GEOIP	Available since console version 4.0.67 This allows to disable the GeoIP service. It is useful when a Soffid instance does not have Internet access.	true false (by default)

Dababase tunning variables

Additional parameters to configure the database connections. Allows you to establish the min and the max of database connections:

Variable	Description	Example
DBPOOL_MIN_IDLE	The minimum number of connections should be kept in the pool at all times.	1 or 2
DBPOOL_MAX_IDLE	The maximum number of connections should be kept in the pool at all times.	between 10 and 15
DBPOOL_INITIAL	The connection number will be established when the connection pool is started.	3 or 4
DBPOOL_MAX	The maximum number of active connections that can be allocated. If no value is indicated, the default value is 30. The transaction fails if the maximum connections are reached within 30 seconds and no connection is released.	25

Volumes

The following volumes must be defined by default:

Volume	Usage
/opt/soffid/iam-console-4/logs	Console log files `/opt/soffid/iam-console-4/logs`
/opt/soffid/iam-console-4/index	Text search engine index files. It can be erased at any time. The engine will regenerate the search engine. `/opt/soffid/iam-console-4/index/`
/opt/soffid/iam-console-4/conf	Configuration files, including server.xml and tomee.xml files `/opt/soffid/iam-console-4/conf`

Docker commands

Here you have a sample command to start a docker container running IAM console, in this case the docker will be in a docker network, previously created. MariaDB docker is at the same network.

```
docker run -d \
  -e DB_URL=jdbc:mariadb://mariadb-service/soffid \
  -e DB_USER=soffid \
  -e DB_PASSWORD=soffid \
  --name=iam-console \
  --publish=8080:8080 \
  --network=soffidnet \
```

```
soffid/iam-console
```

To see console log files, execute:

```
docker logs -f iam-console
```

Ports

By default, the 8080 port will be exposed. When the TLS connection is going to be configured, add the tag --publish=443:443 to publish the TLS port.

Access to the Console

> 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 the Soffid Console http://localhost:8080/soffid/The first thing you must do is to change the admin user password.

> Next Step: Installing Sync server

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