Full installation of Soffid 3 as test environment

Introduction

This guide describes **all the steps required to install Soffid 3 as test environment**.

We’re going to install it using **Docker Compose**, as it’s the simplest and quickest method for both installation and maintenance.

Prerequisites

- To have a **Linux** machine; Ubuntu 24 has been used for this tutorial.
- The Linux administrator user must have **sudo privileges**.

Step 1: Install Docker & Docker compose

The first step is to install **Docker** and **Docker compose**. Docker is the platform and compose is a tool that simplifies management.

1.1 Install docker

Install docker.

```
sudo apt-get update
sudo apt-get install docker.io
docker --version
```

1.2 Use docker without sudo

To use docker without sudo.

Command	Comment
sudo gedit /etc/group	Edit the file with your editor (gedit for this example)
docker:x:988:YOUR-USER	Add YOUR-USER at the end of the docker command without : at the end
logout	Log out from the ubuntu session
login	Log in into the ubuntu session
docker ps	Confirm that you do not need to use sudo with a docker command

1.3 Install docker compose

Install docker compose.

```
sudo apt-get install docker-compose-v2
docker compose version
```

Step 2: Install Soffid 3

> At this link, you can see the most commonly used Docker Compose commands: Docker compose commands

2.1 Test connectivity

Test the connectivity with the Soffid 3 repository pulling an image (¡Do not use sudo with docker, it does not work!).

```
docker pull "soffid/iam-console:3.6.75"
```

```
svives@svives-ThinkPad-E15-Gen-2:~$ docker pull "soffid/iam-console:3.6.75"
3.6.75: Pulling from soffid/iam-console
40d16f30db40: Already exists
348f9d01c847: Downloading [=======================>                           ]   72.5MB/148.3MB
d032e675af14: Download complete
70621973b79c: Download complete
7de3da02b75f: Download complete
be37b7be8f30: Download complete
ccd6a5cb3fde: Download complete
7a7d9bd837df: Waiting
776201c91742: Waiting
057c631869e7: Waiting
d21293084c60: Waiting
840863009d74: Pulling fs layer
```

2.2 Create the directory and file structure

Create a the new file for the docker compose with this directory structure.

```
cd
mkdir lab
cd lab
mkdir soffid3
cd soffid3
touch docker-compose.yaml
```

2.3 Configure the docker-compose.yaml

Use this content for the docker-compose.yaml file.

> Change the XXXX password and YYYY password for your values.

```
services:


  mariadb:
    image: mariadb:11.4
    environment:
      MYSQL_ROOT_PASSWORD: XXXX
      MYSQL_DATABASE: soffid
      MYSQL_USER: soffid
      MYSQL_PASSWORD: YYYY
    healthcheck:
      test: "/usr/bin/mariadb --user=root --password=XXXX --execute \"SHOW DATABASES;\""
      interval: 2s
      timeout: 20s
      retries: 10
    command: --max_allowed_packet=128M --innodb_log_file_size=256M --character-set-server=utf8mb4 --
collation-server=utf8mb4_general_ci
```

```
  networks:
    - network
  volumes:
    - mariadb_data:/var/lib/mysql

console:
  image: soffid/iam-console:3.6.74
  environment:
    DB_URL: jdbc:mariadb://mariadb/soffid
    DB_USER: soffid
    DB_PASSWORD: YYYY
    SOFFID_TRUSTED_SCRIPTS: true
  networks:
  - network
  ports:
    - "8080:8080"
  volumes:
    - console_trust:/opt/soffid/iam-console-3/trustedcerts
    - console_conf:/opt/soffid/iam-console-3/conf
    - console_index:/opt/soffid/iam-console-3/index
  depends_on:
    mariadb:
      condition: service_healthy

syncserver:
  image: soffid/iam-sync:3.6.47
  hostname: syncserver
  environment:
    SOFFID_PORT: 1760
    SOFFID_HOSTNAME: syncserver
    SOFFID_MAIN: yes
    DB_URL: jdbc:mysql://mariadb/soffid
    DB_USER: soffid
    DB_PASSWORD: YYYY
  networks:
    - network
  volumes:
    - sync_conf:/opt/soffid/iam-sync/conf
  depends_on:
    mariadb:
```

```
        condition: service_healthy

networks:
  network:
    name: netcompose
    driver: bridge

volumes:
  mariadb_data:
    name: soffid3_mariadbdata
  console_trust:
    name: soffid3_console_trustedcerts
  console_conf:
    name: soffid3_console_conf
  console_index:
    name: soffid3-console_index
  sync_conf:
    name: soffid3_sync_conf
```

2.4 Generate the containers

Generate the containers.

```
docker compose up -d
```

2.5 Publish the domains

We recommend using a local domain to access the Console, create new entries in:

- Linux **/etc/hosts**
- Windows **C:\Windows\System32\drivers\etc\hosts**

```
# Soffid 3 local
127.0.0.1 console.soffid3.local
127.0.0.1 syncserver.soffid3.local
```

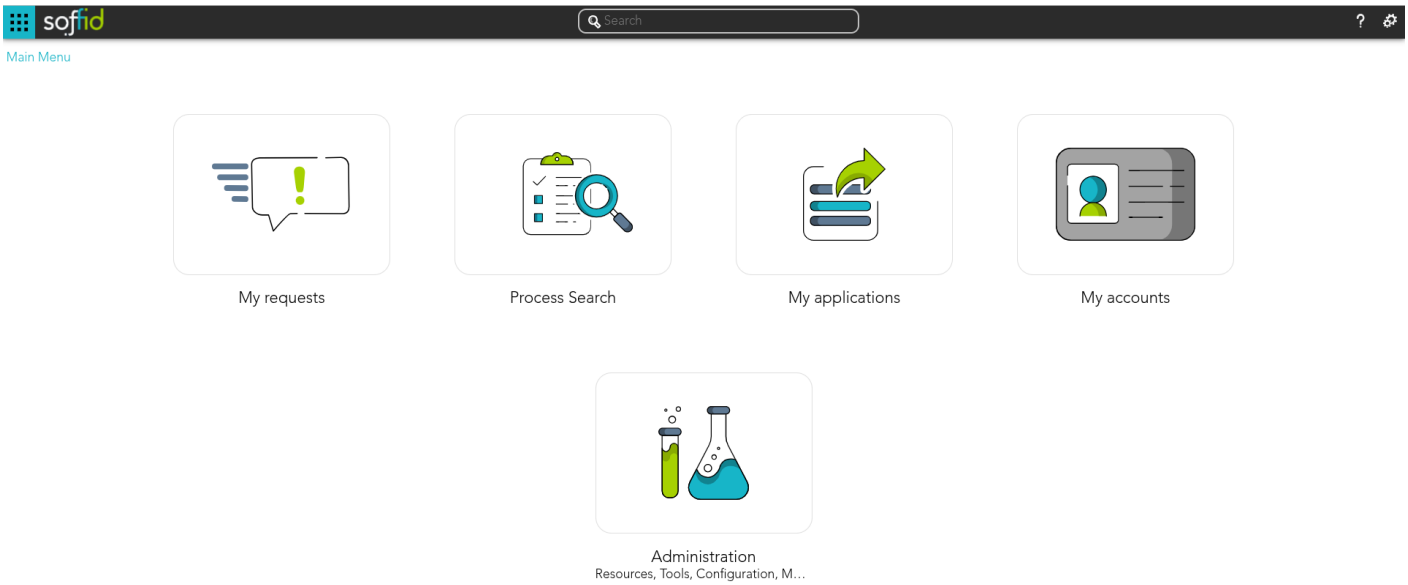
2.6 Access to the Console

Follow these steps:

- Go to **login** page: http://console.soffid3.local:8080
- We have to **wait** until the login page will be prompted.

- User: **admin** / password: **changeit** (temporal for 24 hours).
- Fill the **new password** and save it to use it later!

You will now see this page.



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