

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-plugin
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:

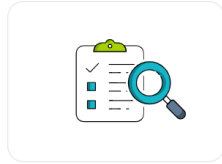
- Go to **login** page: <http://console.soffid3.local:8080>
- We have to **wait** until the login page will be prompted.

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

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