Installing Soffid using Docker Compose

- Installing Soffid
- How to make a Mariadb Backup?

Installing Soffid

Prerequisites

- Docker compose
- 8GB RAM
- > 10GB disk space (50GB)

Installation

docker-compose.yaml

```yaml
version: "3.8"
services:
  mariadb:
    image: mariadb:11.1.2
    environment:
      MYSQL_ROOT_PASSWORD: XXXXX
      MYSQL_DATABASE: soffid01
      MYSQL_USER: soffid
      MYSQL_PASSWORD: XXXXX
    healthcheck:
      test: "/usr/bin/mariadb --user=root --password=XXXXX --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:
```

```yaml
    image: soffid/iam-console:3.5.9
    environment:
      DB_URL: jdbc:mariadb://mariadb/soffid01
      DB_USER: soffid
      DB_PASSWORD: XXXXX
    ports:
      - 8080:8080
    networks:
    - network
    volumes:
      - console_trust:/opt/soffid/iam-console-3/trustedcerts
    depends_on:
      mariadb:
        condition: service_healthy

  sync-server:
    image: soffid/iam-sync:3.5.3
    hostname: sync-server
    environment:
      SOFFID_PORT: 1760
      SOFFID_HOSTNAME: sync-server.netcompose
      SOFFID_MAIN: yes
      DB_URL: jdbc:mysql://mariadb/soffid01
      DB_USER: soffid
      DB_PASSWORD: XXXXX
    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: compose-mariadbdata
  console_trust:
    name: compose_console_trustedcerts
  sync_conf:
    name: compose_sync_conf
```

Ubuntu commands

Bear in mind, that the name of the YAML file must be **docker-compose.yaml** And you must execute the docker compose action inside the folder where this file is located.

```
cd /.../.../soffid
```

Apply the YAML:

```
docker compose up -d
```


Check containers

```
docker compose ps
```

View the console log

```
docker compose logs -f console
```

View the Sync Server log

```
docker compose logs -f sync-server
```

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

Upgrade

You can update the version in the yaml file

```
docker compose up -d
```

How to make a Mariadb Backup?

You can perform Mariadb backup by executing the following command:

```
sudo docker exec -i MARIADB_CONTAINER_NAME mariadb-dump -u root -p  soffid01 | gzip >
/some/path/on/your/host/soffid01.dump.gz
```

This action requires the root password.

Example