

Installing Soffid using Docker Compose

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Installing Soffid

Prerequisites

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

Installation

docker-compose.yaml / compose.yaml

```
version: "3.8"
services:
  mariadb:
    image: mariadb:11.4
    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:
```

image: soffid/iam-console:3.6.7

environment:

DB_URL: jdbc:mariadb://mariadb/soffid01

DB_USER: soffid

DB_PASSWORD: XXXXX

ports:

- 8080:8080

networks:

- network

healthcheck:

test: bash -c "(echo 'GET /soffid/anonymous/logo.svg HTTP/1.1' >&0; echo >&0; cat >&2;) <>
/dev/tcp/localhost/8080"

interval: 10s

timeout: 20s

retries: 10

start_period: 40s

volumes:

- console_trust:/opt/soffid/iam-console-3/trustedcerts

- console_conf:/opt/soffid/iam-console-3/conf

- console_logs:/opt/soffid/iam-console-3/logs

- console_index:/opt/soffid/iam-console-3/index

depends_on:

mariadb:

condition: service_healthy

sync-server:

image: soffid/iam-sync:3.6.10

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
console:
  condition: service_healthy
```

```
networks:
```

```
network:
  name: netcompose
  driver: bridge
```

```
volumes:
```

```
mariadb_data:
  name: compose_mariadbdata
console_trust:
  name: compose_console_trustedcerts
console_conf:
  name: compose_console_conf
console_logs:
  name: compose_console_logs
console_index:
  name: compose_console_index
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:

```
sudo docker compose up -d
```

```
pgarcia@soffid:~/Documentos/soffid$ docker compose up -d
[+] Running 6/6
 ✓ Network netcompose          Created           0.0s
 ✓ Volume "compose-mariadbdata" Created           0.0s
 ✓ Volume "compose_console_trustedcerts" Created           0.0s
 ✓ Container soffid-mariadb-1   Healthy          0.0s
 ✓ Container soffid-sync-server-1 Started           0.0s
 ✓ Container soffid-console-1   Started           0.0s
pgarcia@soffid:~/Documentos/soffid$
```

Check containers

```
sudo docker compose ps
```

View the console log

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

View the Sync Server log

```
sudo 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 Console <http://localhost:8080/soffid> The first thing you must do is to change the **admin** user password **changeit**.

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.

You can use:

- `--max-allowed-packet=512M`: sets the maximum packet size to 512MB to handle large databases.
- `--skip-add-locks` and `--skip-lock-tables`: these options are used to improve performance by skipping certain locking mechanisms.

Example

```
pgarcia@soffid:~$ sudo docker exec -i soffid-compose-mariadb-1 mariadb-dump -u root -p soffid01 | gzip > /home/pgarcia/Descargas/soffid01.dump.gz
[sudo] contraseña para pgarcia:
Enter password:
pgarcia@soffid:~$
```