

## Setting up DAPS

### 1. Install docker and docker-compose

```
sudo apt update && sudo apt install -y docker.io docker-compose
```

### 2. Update the system

```
sudo apt update  
sudo apt upgrade
```

### 3. Install DAPS (This step is crucial. All submodules must be installed)

```
git clone --recurse-submodules git@gitlab.cc-asp.fraunhofer.de:iop-  
dataspace/omejdn-daps.git
```

4. The directory `~/omejdn-daps` should now exist.

5. Open the `.env` file in it

6. Set the value of `OMEJDN_DOMAIN` to the domain of your DAPS, e.g.

```
OMEJDN_DOMAIN="137.226.58.139"
```

### 7. Run

```
git clone git@gitlab.cc-asp.fraunhofer.de:iop-dataspace/daps-clients-  
online-service.git
```

8. Run `chmod +x gradlew`

9. Run `./gradlew build`

### 10. Build the Docker image

```
sudo docker build -t daps-clients-online-service -f docker/Dockerfile  
.
```

### 11. Append the `compose.yml` with the following code snippet

```
dapsclientsonlineservice:  
  container_name: dapsclientsonlineservice  
  build:  
    context: daps-clients-online-service  
    dockerfile: docker/Dockerfile  
  environment:  
    - JWT_AUDIENCE=idsc:IDS_CONNECTORS_ALL  
    - JWT_DOMAIN=${OMEJDN_ISSUER}  
    - JWT_JWK_URL=${OMEJDN_ISSUER}/jwks.json  
    - JWT_PUBKEY=  
    - JWT_SCOPE=idsc:IDS_CONNECTOR_ATTRIBUTES_ALL  
  volumes:  
    - ./daps-clients-online-  
service/endpoints.txt:/app/endpoints.txt  
  depends_on:  
    - nginx  
    - omejdn-server
```

12. To get the `JWT_PUBKEY`, go to `~/omejdn-daps/keys/omejdn` and run `openssl rsa -in omejdn.key -pubout -out omejdn_public.key`
13. Copy the `JWT_PUBKEY` from the created file
14. Go back to `~/omejdn-daps`
15. Run `sudo docker compose up`