

Instructions to Run DOC Demos Locally

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Materials

Download the Demo Kit

It contains

- The Data file link enables you to access an Excel spreadsheet to create the first scenario
- The Installation file enables you to access the docker images to run the application
- The Source code points to the git repository of the demonstration

Prerequisites

- Install Docker according to the instructions [here](#)
- Allocate to Docker enough memory (> 8GB) for Docker in the Docker desktop configuration.

Instructions

Use these instructions to install the demo on your laptop.

No specific DOC/DBGene installation is required.

1. Download the Installation files (a zipped file)
2. Download the data file (an Excel spreadsheet)
3. Create a folder called after the demo (for example capacity-planning)
4. Copy both files in that folder
5. Unzip docker-public.zip in that folder

Start the demo

1. Make sure you are in the capacity-planning folder

```
$ cd capacity-planning
$ ls -l
drwxr-xr-x 1 meisenmann 197121 0 Apr 16 16:28 docker-public
-rw-r--r-- 1 meisenmann 197121 0 Apr 16 16:41 docker-public.zip
-rw-r--r-- 1 meisenmann 197121 0 Apr 16 16:41
Business_Data_Revamped.xlsx
```

2. Check that the file docker-public/infra/keycloak/unpack-gene-theme.sh is executable. If it's not, use the command `chmod 777 unpack-gene-theme.sh`
3. Log into the public DecisionBrain docker registry and enter following credentials dbgene-demos/ieSha1Po

```
$ docker login dbgene-demos-registry.decisionbrain.cloud
...
```

4. Start the different docker containers

```
$ cd docker-public/infra
$ docker-compose up -d
$ cd ../dbos
$ docker-compose up -d
```

5. wait for a few seconds for the infra and DBOS container to start

```
$ cd ../app
$ docker-compose up -d
$ docker-compose -f docker-compose-workers.yml up -d
# if you want to run the python worker do
$ docker-compose -f docker-compose-python-workers.yml up -d
# if you want to run the OPL worker do
$ docker-compose -f docker-compose-opl-workers.yml up -d
```

6. Wait for one minute to let the different containers start. For synchronization reasons, you might need in some cases to run the docker-compose commands again to ensure all services are running.

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7. Log in to the application using `http://localhost:8080` and `gene_admin/gene` for credentials
8. Refer to the demonstration script to see how to use the demonstration.

Other Useful Links

Once running, the following links give you access to some of the services:

- keycloak console (<http://localhost:9090>)
default user/password is set to ``admin/admin``
- optimization server console (<http://localhost:8089>)
default user/password is set to ``optimserver/optimserver``
- application web user interface (<http://localhost:8080>)
default user/password is set to ``gene_admin/gene``