# Requirements

* Git
* Docker

# Downloading DT4H Mapping Configurations

DT4H mapping configurations are maintained in the project’s GitHub repository. Below, we

* Create and navigate into a working directory to run the tools: <workspaceDir>
* git clone <https://github.com/DataTools4Heart/data-ingestion-suite.git>
* git clone <https://github.com/DataTools4Heart/common-data-model.git>

# onFHIR Deployment

* Run inside the working directory:
  + sh ./common-data-model/docker/run.sh

# toFHIR Deployment

* Download the password file for SRDC’s private Docker repository from: <https://srdcltd.sharepoint.com/:t:/s/DataTools4Heart/ERRInhWGLy5Cvfwn9JFaNOEBUmc1jjjP-bjCz3lAvYu9DQ?e=AsvrVi>
* Copy the file into <workspaceDir> directory.
* Run the following scripts in the <workspaceDir>:
  + sh ./data-ingestion-suite/docker/deployment/pull.sh
  + sh ./data-ingestion-suite/docker/deployment/run.sh

# Running Behind Nginx Configuration

* The current deployment has been tested and worked successfully with Nginx and it is recommended to use it. If Nginx is not being used, you can easily start a Nginx Docker container directly using the Docker Compose file we have defined and toFHIR will be available to use:
  + sh ./data-ingestion-suite/docker/proxy/run.sh
* If your host machine is already running nginx, you can insert the following proxy configuration:
  + location /dt4h/tofhir/api {

proxy\_pass http://127.0.0.1:6085/tofhir;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

}

location /dt4h/tofhir {

proxy\_pass http://127.0.0.1:6082/;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

}

location /dt4h/tofhir/kibana/ {

proxy\_pass http://127.0.0.1:5601/;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

}

# Execution of Mappings with Dummy Data

# Navigate to http://<hostname>/dt4h/tofhir

* Click on your project and click on Open
* Click on Executions
* Click on green arrow next to the “x-deploy” entry
* Click on the right-double-arrow icon to select all the mappings for execution
* Click Run button
* You can check the status of the execution by first checking the list of executions by clicking on the Refresh icon. Then, you can go into the details of the execution and see status of individual mapping tasks included on the “x-deploy” job.

For more information about toFHIR, you can visit [toFHIR.io (onfhir.io)](https://onfhir.io/tofhir/).