Install the DHF core modules and plugins for your project.

*Before you deploy, find your team’s gradle-DHS.properties file in the hackathon-hub/properties folder and copy it as gradle-DHS.properties to the hackathon-hub folder.*

1. Open a Terminal window (e.g. Applications->System Tools->MATE Terminal).
2. Navigate to the “**hackathon-hub**” folder.
3. Run the following Gradle task to install the Data Hub modules (gradlew.bat for Windows)

**MAC: ./gradlew -PenvironmentName=DHS hubInstallModules**

1. Run the following Gradle task to load the ingestion and harmonization flows (gradlew.bat for Windows)

**MAC: ./gradlew -PenvironmentName=DHS mlLoadModules**

1. Run the following Gradle task to create/update indexes for our content (gradlew.bat for Windows)

**MAC: ./gradlew -PenvironmentName=DHS mlUpdateIndexes**

Ingest Data for your Data Hub Service

Your Data Hub Service is deployed but currently has no content. We need to load your data to the Data Hub, calling the ingestion flows to envelope the data where appropriate. Use MarkLogic Content Pump (MLCP) to ingest the data to the STAGE database by editing MLCP scripts to update the “**host**” and “**port**” values.

1. Run the following gradle commands (gradlew.bat for Windows)

**./gradlew mlcpImport -PenvironmentName=DHS -PmlcpOptionsFile=ingest/loadCompany.mlcp**

**./gradlew mlcpImport -PenvironmentName=DHS -PmlcpOptionsFile=ingest/loadSkosCompanies.mlcp**

**./gradlew mlcpImport -PenvironmentName=DHS -PmlcpOptionsFile=ingest/loadSkosProducts.mlcp**

**./gradlew mlcpImport -PenvironmentName=DHS -PmlcpOptionsFile=ingest/loadTwitter.mlcp**

**./gradlew createDictionaries -PenvironmentName=DHS**

1. If you want to check that your documents have been loaded successfully, use Query Console (the URL for Query Console is in your gradle-DHS.properties).

Curating the Data in your Data Hub Service

Your content is loaded to the Data Hub Service’s “Stage” database. Next, the data needs to be curated, just like your local Data Hub, so it can be useful for searches.

1. In the Terminal window, navigate to the “**hackathon-hub**” folder.
2. Run your harmonize flows using the following two [MAC] commands (gradlew.bat for Windows)

**./gradlew hubRunFlow -PentityName=Twitter -PflowName=harmonizeTwitter -PenvironmentName=DHS**

**./gradlew hubRunFlow -PentityName=Company -PflowName=harmonizeCompany -PenvironmentName=DHS**

When these two tasks have completed, your content is now curated and stored in the Final database, ready for exposing to your services to access and search your data.