**STEPS for running MoDaC on local.**

1. Before running MoDaC project, the required jars need to be installed from DME project. To do so, here are the steps:

* Open a terminal and do a git clone the code from <https://github.com/CBIIT/HPC_DME_APIs> using the following command.
* git clone https://github.com/CBIIT/HPC\_DME\_APIs
* cd to this folder and go to src/hpc-server.
* Do a maven build here using the following commands:
* mvn eclipse:clean
* mvn eclipse:eclipse
* At this step, if the PKIX error is seen, update the java cacerts or simply get the cacerts from DME Web server located at (/usr/lib/jvm/java-1.8.0-openjdk/jre/lib/security) and replace this with the one in local.
* mvn clean install -DskipTests

1. Now, run MoDaC project using the following steps:

* Git clone the code from <https://github.com/CBIIT/nci-doe-data-sharing.git>
* Git clone <https://github.com/CBIIT/nci-doe-data-sharing.git>
* Make sure in pom.xml, the API version is same as the one from pom.xml in DME project using above, if not change the API version in MoDaC pom.xml.
* The local-env.conf is under src/main/resources/appconfigs.
* Add passwords in local-env.conf for MoDaC database, google drive client and secret Id, google captcha and service account passwords.
* In local-env.conf, point to the appropriate DME Server (gov.nih.nci.hpc.server).
* When using DEV, point the property *gov.nih.nci.hpc.server=https://fsdmel-dsapi01d.ncifcrf.gov:7738/hpc-server*

**OPTION 1: To deploy and run using terminal:**

* To do a maven build from terminal, use the following commands, build the project from base path (where the pom.xml resides):
* mvn eclipse:clean
* mvn eclipse:eclipse
* At this step, if the ojdbc6 jar missing error is seen, download the jar and install the jar at the directory where the pom.xml resides.
* mvn install:install-file -Dfile=<path\_to\_ojdbc6 jar> -DgroupId=com.oracle -DartifactId=ojdbc6 -Dversion=11.2.0 -Dpackaging=jar
* mvn clean install -DskipTests
* Now run the project using the following:
* cd to target folder and run the following command:
* Java -Xdebug -Xrunjdwp:transport=dt\_socket,address=9991,server=y,suspend=n -jar <web-doe-1.15.0.war>

**OPTION 2: Using eclipse IDE**

* Convert to maven project and build the project using Run As🡪 maven build.
* To start the Project using eclipse, Run As🡪 java application.