**Steps for First time deployment to MoDaC server:**

* Login into hpc dev web server(fsdmel-dsapi01d.ncifcrf.gov).
* Do sudo su
* Create a folder under /opt named “nci-doe”.
* sudo su ncif-hpcdm-svc
* chown ncif-hpcdm-svc:ncif-hpcdm-svc nci-doe
* chown ncif-hpcdm-svc nci-doe
* Git clone <https://github.com/CBIIT/nci-doe-data-sharing.git> under the nci-doe folder.
* Do mvn install -DskipTests
* scp /opt/nci-doe/nci-doe-data-sharing/target/web-doe-1.19.0.war [gantam2@fsdmel-modac01d.ncifcrf.gov](mailto:gantam2@fsdmel-modac01d.ncifcrf.gov):/home/gantam2
* If ojbc6 jar is missing: add the jar

The objdbc6 jar has been obtained from https://www.oracle.com/database/technologies/jdbc-drivers-12c-downloads.html

mvn install:install-file -Dfile=path/to/your/ojdbc6.jar -DgroupId=com.oracle -DartifactId=ojdbc6 -Dversion=11.2.0.4 -Dpackaging=jar

**Steps for iterating deployment to MoDaC server:**

* Login into hpc dev web server(fsdmel-dsapi01d.ncifcrf.gov).
* Do sudo su and su ncif-hpcdm-svc
* Go to the directory /opt/nci-doe/nci-doe-data-sharing
* Do wither one depending on the environment

mvn clean install -DskipTests -Pdev

mvn clean install -DskipTests -Ppreprod

mvn clean install -DskipTests -Pprod

* Copy the war file to the MoDaC server

scp /opt/nci-doe/nci-doe-data-sharing/target/web-doe-1.19.0.war [gantam2@fsdmel-modac01d.ncifcrf.gov](mailto:gantam2@fsdmel-modac01d.ncifcrf.gov):/home/gantam2

**Login into MoDaC server**:

* On the current dorectory, change permissions of the war file using

chmod 777 web-doe-1.19.0.war

chmod 770 web-doe-1.19.0.war

chgrp tomcat8 web-doe-1.19.0.war

* Move the war file to webapps folder using

mv /home/gantam2/web-doe-1.19.0.war /usr/share/tomcat8/webapps

* **This step is for first time server set up only.**
* then cd to /usr/share/tomcat8/webapps
* copy ojdbc6 jar which was downloaded intially

scp ojdbc6.jar [gantam2@fsdmel-modac01d.ncifcrf.gov:/home/gantam2](mailto:gantam2@fsdmel-modac01d.ncifcrf.gov:/home/gantam2)

* change permissions on ojdbc6 jar using

chmod all to ojdbc6.jar

* sudo to tomcat8
* move the jar to webapps folder and then from here to lib folder using the following commands:

mv /home/gantam2/ojdbc6.jar /usr/share/tomcat8/webapps

mv usr/share/tomcat8/webapps/ojdbc6.jar /usr/share/tomcat8/lib

* add this below line server.xml at the end of the file:
* <Context path="" docBase="web-doe-1.19.0" privileged="true"/>
* start tomcat: sudo systemctl start tomcat8
* stop tomcat: sudo systemctl stop tomcat8
* restart tomcat: sudo systemctl restart tomcat8