**MoDaC DEV Development Steps**

**Deployment on MoDaC server**:

* ssh to the appropriate MoDaC server:
* MoDaC DEV server: ssh fsdsgl-modac01d.ncifcrf.gov
* Stop tomcat using the command: *sudo systemctl stop tomcat*
* Do “sudo su – ncidoesvct2”
* Go to the directory: cd /opt/nci-doe/nci-doe-data-sharing/
* Do a git pull and switch to the branch needed using the following commands:
* git pull
* git stash (this is done before checking out the new branch to reset any uncommitted changes done on the branch, skip this step when doing the build on same branch)
* git checkout <branch\_name> (Skip this step when doing the build on the same branch)

Example: git checkout v2.3

* Add the following passwords in dev-env.conf located under the path: /opt/nci-doe/nci-doe-data-sharing/src/main/resources/appconfigs (all the properties which says <Configure Me>)
  + Service account passwords
  + Google captcha sitekey and secretkey
  + clientId and client secret
  + database passwords
* Go to the directory: cd /opt/nci-doe/nci-doe-data-sharing/ and do maven build using the command:

mvn clean install -DskipTests -Pdev

* + - Copy the war file to the webapps directory located under the path: /usr/share/tomcat/webapps/

cp /opt/nci-doe/nci-doe-data-sharing/target/web-doe-<war\_file\_version>.war /usr/share/tomcat/webapps/

* Do this step only when doing a first time build for a new branch. Else, skip this step.
* Go to the directory **/usr/share/tomcat/conf/** and edit the server.xml file for the following line:

<Context path="" docBase="web-doe-<war\_file\_version>" privileged="true"/>

* Go to directory **/usr/share/tomcat/webapps/** and remove the old war file and directory using the command:

rm web-doe-<old\_war\_file\_version>.war

rm -rf web-doe-<old\_war\_file\_version>/

* Type “exit” (to get out of service account mode) and start tomcat using the command:

*sudo systemctl start tomcat*

* Access the app by using the appropriate URL on the browser:
* DEV: <https://fsdsgl-modac01d.ncifcrf.gov/>

**To access Tomcat logs:**

* Login into MoDaC server.
* Do “sudo su – ncidoesvct2”
* Go to the path: /usr/share/tomcat/logs/
* Access the tomcat logs in the file catalina.out (located under the path: /usr/share/tomcat/logs/)

**To access gunicorn logs:**

* Login into MoDaC server.
* Do “sudo su – ncidoesvct2”
* Go to the path: /var/log
* Access the logs in the file messages (located under the path /var/log).

**Tomcat and gunicorn commands:**

Make sure you are logged in as yourself

* To start tomcat: sudo systemctl start tomcat
* To stop tomcat: sudo systemctl stop tomcat
* To restart tomcat: sudo systemctl restart tomcat
* To start gunicorn: sudo systemctl start gunicorn
* To stop gunicorn: sudo systemctl stop gunicorn
* To restart gunicorn: sudo systemctl restart gunicorn