To start the Docker container

You will need to log onto the Docker DRIC server on AWS using putty or any terminal emulator . Depending upon you IP address you will need to log in using the IP address 54.164.224.125 or 150.0.200.95. Once you are logged in using the CENTOS username and CENTOS cert you can then execute the following scripts to deploy Docker.

These files are sitting in the /home/centos directory.

## Run the following scripts

1. **./build-dric-container.sh**

This will download the current docker file using curl and then build the docker file that was downloaded. The file downloaded can be found at <https://raw.githubusercontent.com/DevTechnology/DRIC/master/Docker/dockerfile>

## To start Docker JBOSS/WildFly

1. **./start-jboss.sh**

This will read the Open FDA API key from a file named apikey.properties. We store it in a variable fdaapikey and use it to so that the key is available to the application. There are better methods of Adding the API keys during runtime for example encrypted XML files inserted during docker compile time and in a secured GIT instance but due to time this will surfice

# docker compile time and stored in a secured GIT instance), but due to time this will suffice

fdaapikey=$(getPropertyFromFile openfda $file)

We also rename the current dric container to dric\_$currenttime for historical record keeping:

current\_time=$(date "+%Y.%m.%d-%H.%M.%S")

sudo docker rename dric dric\_$current\_time

Override the dockerfile CMD line with a custom -D, this allows the most flexibility to input the API Keys during runtime

sudo docker run -d -p 8080:8080 -p 9990:9990 --name dric dtg/dric /opt/jboss/wildfly/bin/standalone.sh -b 0.0.0.0 -bmanagement 0.0.0.0 -DopenFdaApiKey=$fdaapikey

## To stop Docker JBOSS/WildFly

1. **./stop-jboss.sh**

stops JBOSS/Wildfly

sudo docker stop dric