DEPLOYING A WEB APPLICATION USING TOMCAT SERVER

STEP-1: LAUNCH 2 INSTANCES (MASTER & SLAVE) WITH 8080 PORTS WITH KEYPAIR

STEP-2: JENKINS SETUP IN MASTER (install only epel, java11 $ jenkins)

STEP-3: INSTALL THE PLUGIN (DEPLOY TO WAR/EAR TO CONTAINER)

STEP-4: INSTALL JAVA-OPENJDK11 IN SLAVE

STEP-5: SETUP AN AGENT IN MASTER

STEP-6: INSTALL GIT, JAVA-1.8.0-OPENJDK, MAVEN IN MASTER & SLAVE

(update-alternatives --config java)

STEP-7: GET THE SOURCE CODE FROM THE GITHUB( https://github.com/devops0014/myweb-01.git )

STEP-10: GO TO JENKINS>>BUILD STEP>> INVOKE TOP LEVEL MAVEN TARGETS >> CLEAN PACKAGE AND BUILD NOW

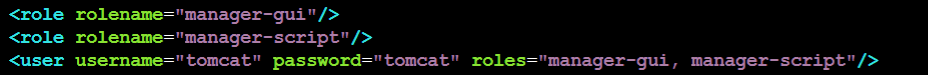
STEP-11: GO TO SLAVE AND INSTALL TOMCAT (https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.70/bin/apache-tomcat-9.0.70.tar.gz)

* tar -zxvf file\_name
* go to apachefolder
* vim webapps/manager/META-INF/context.xml



Delete these 2 lines (21 & 22)

* vim conf/tomcat-users.xml



Add these 3 lines at the end of the file

* ./bin/startup.sh

Tomcat will get starts

Public\_ip:8080

Go to manager apps

STEP-12: go to Jenkins >> add build step >> deploy war ear to container

STEP-13: ADD CONTAINER-9, GIVE TOMCAT URL AND TOMCAT CREDENTIALS (USERNAME: tomcat, PASSWORD: tomcat) [target/\*.war & /swiggy]

STEP:14 : POST BUILD ACTIONS -- > DEPLOY TO EAR/WAR CONTAINER -- > DETAILS

TERRAFOR4M PROJECT:

STEP-1: SETUP JENKINS SERVE

STEP-2: WRITE THE CODE AND PUSH TO GITHUB

STEP-3: INSTALLING THE TERRAFORM PLUGINS

STEP-4: CREATE PIPELINE

|  |
| --- |
| pipeline { |
|  |

|  |
| --- |
| agent any |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| stages { |
|  |

|  |
| --- |
| stage('checkout') { |
|  |

|  |
| --- |
| steps { |
|  |

|  |
| --- |
| git 'https://github.com/RAHAMSHAIK007/terrarepo.git' |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| stage('terraform init') { |
|  |

|  |
| --- |
| steps { |
|  |

|  |
| --- |
| sh ("terraform init"); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| stage('terraform Action') { |
|  |

|  |
| --- |
| steps { |
|  |

|  |
| --- |
| echo "terraform action from the parameter is -- > ${action}" |
|  |

|  |
| --- |
| sh ("terraform ${action} --auto-approve"); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

}