**Jenkins- assignment-2**

**On jenkin master**

>>Copy private key of instance on Jenkins master

>>chmod -R 400 permission to key

**In job execute shell**

**# Step 1: Add remote host to known\_hosts to avoid verification prompt**

**ssh-keyscan -H 18.191.255.157 >> /root/.ssh/known\_hosts**

**# Step 2: Install Java on the remote instance**

**ssh -i /root/ohio.pem ec2-user@18.191.255.157 '**

**yum install -y java-17-amazon-corretto**

**# Step 3: Setup Tomcat on remote instance**

**# Create /mnt/servers directory**

**mkdir -p /mnt/servers**

**# Download and unzip Tomcat**

**wget https://dlcdn.apache.org/tomcat/tomcat-10/v10.1.43/bin/apache-tomcat-10.1.43.zip**

**unzip apache-tomcat-10.1.43.zip**

**rm -f apache-tomcat-10.1.43.zip**

**# Step 4: Set permissions on Tomcat folders**

**chmod -R 700 /mnt/servers/apache-tomcat-10.1.43/**

**# Step 5: Remove old WAR and extracted folder**

**rm -rf /mnt/servers/apache-tomcat-10.1.43/webapps/LoginWebApp\***

**'**

**# Step 6: Copy new WAR file from Jenkins master to remote instance**

**scp -i /root/ohio.pem /mnt/myproject/target/LoginWebApp.war ec2-user@18.191.255.157:/mnt/servers/apache-tomcat-10.1.43/webapps/**

**# Step 7: Restart Tomcat on the remote instance**

**ssh -i /root/ohio.pem ec2-user@18.191.255.157 '/mnt/servers/apache-tomcat-10.1.43/bin/shutdown.sh'**

**sleep 5**

**ssh -i /root/ohio.pem ec2-user@18.191.255.157 '/mnt/servers/apache-tomcat-10.1.43/bin/startup.sh'**

