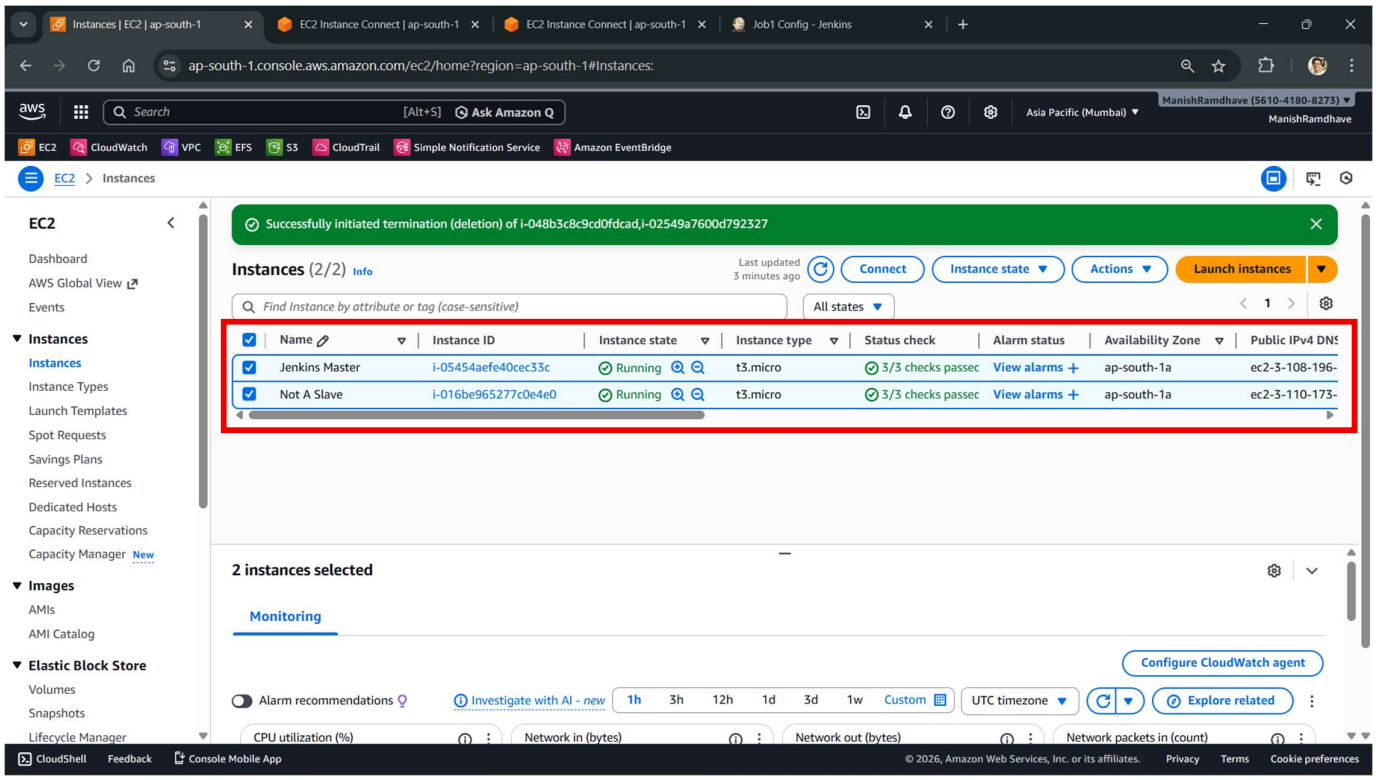
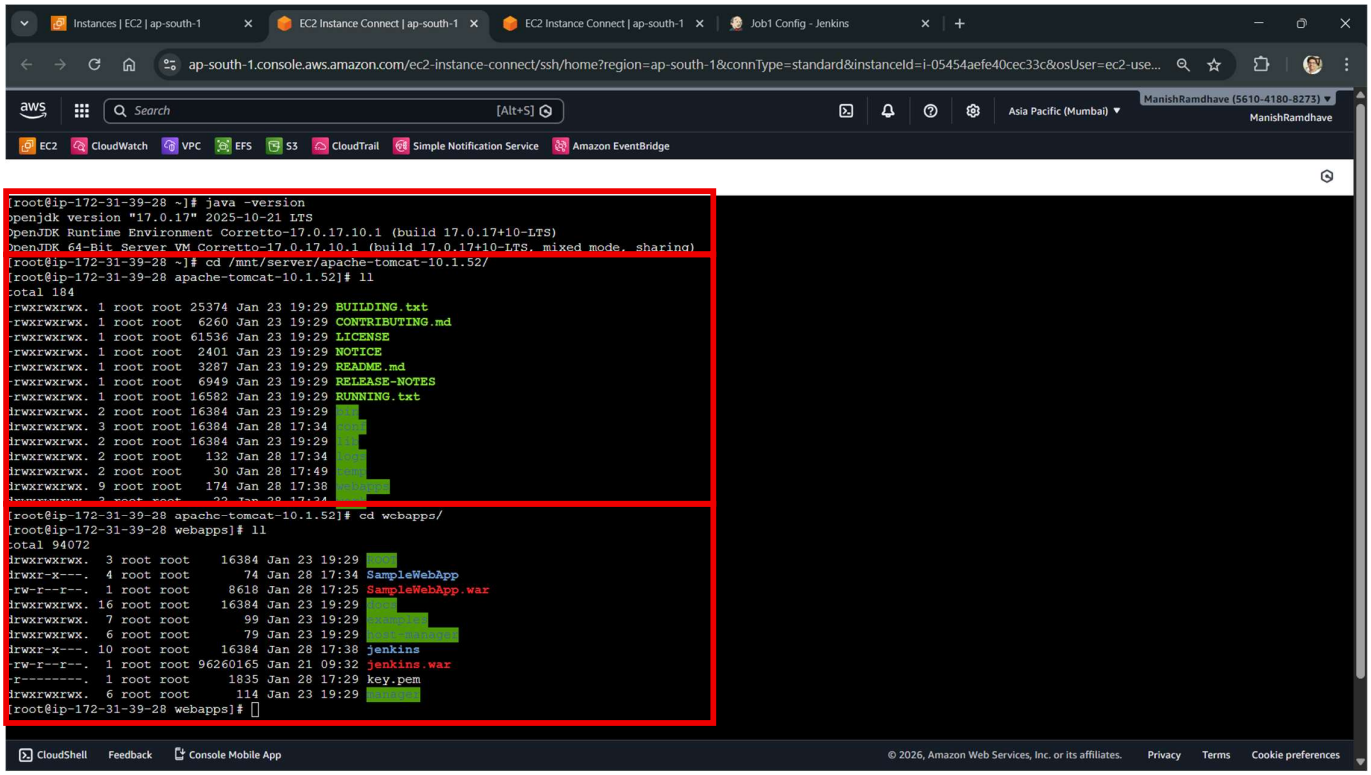
Jenkins Assignment 2

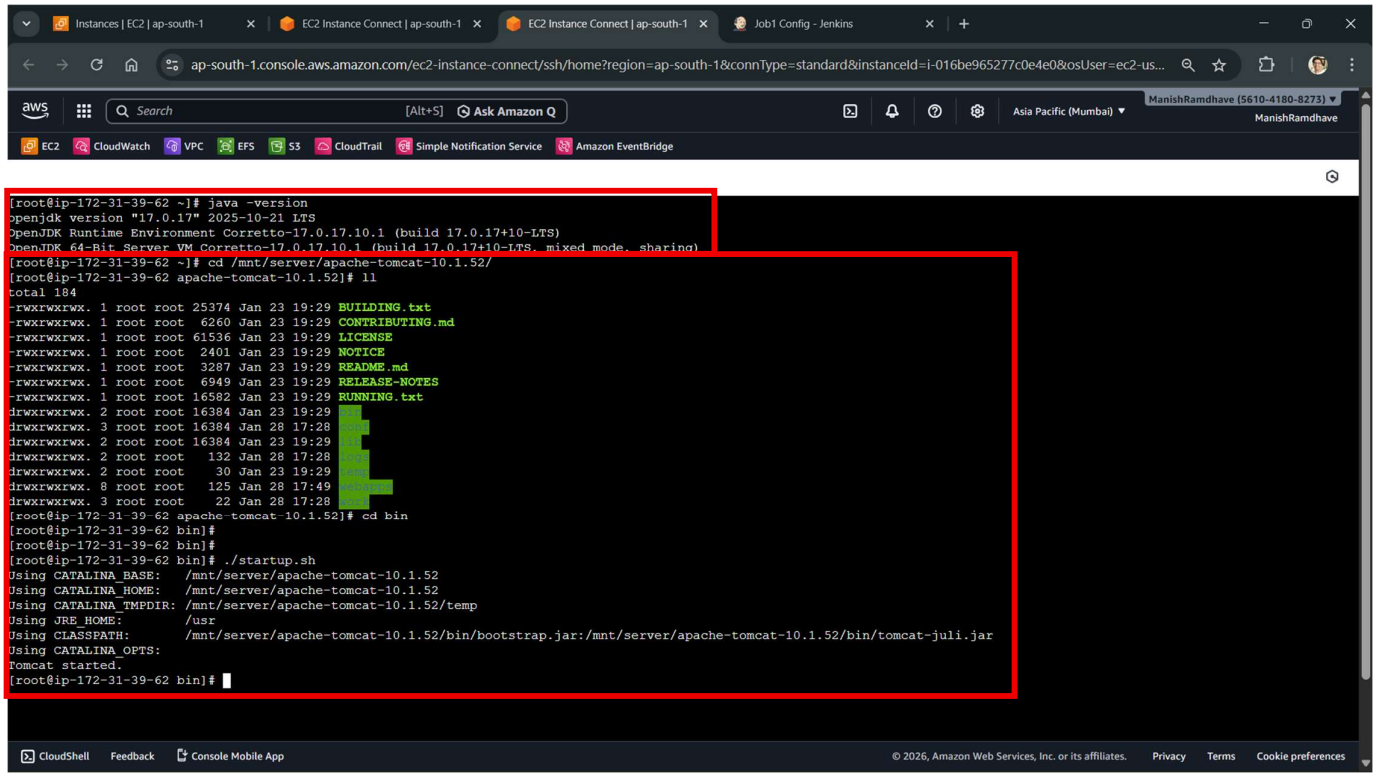
Step 1: Launched two EC2 instances, one for Jenkins Master and other one is not a Slave :



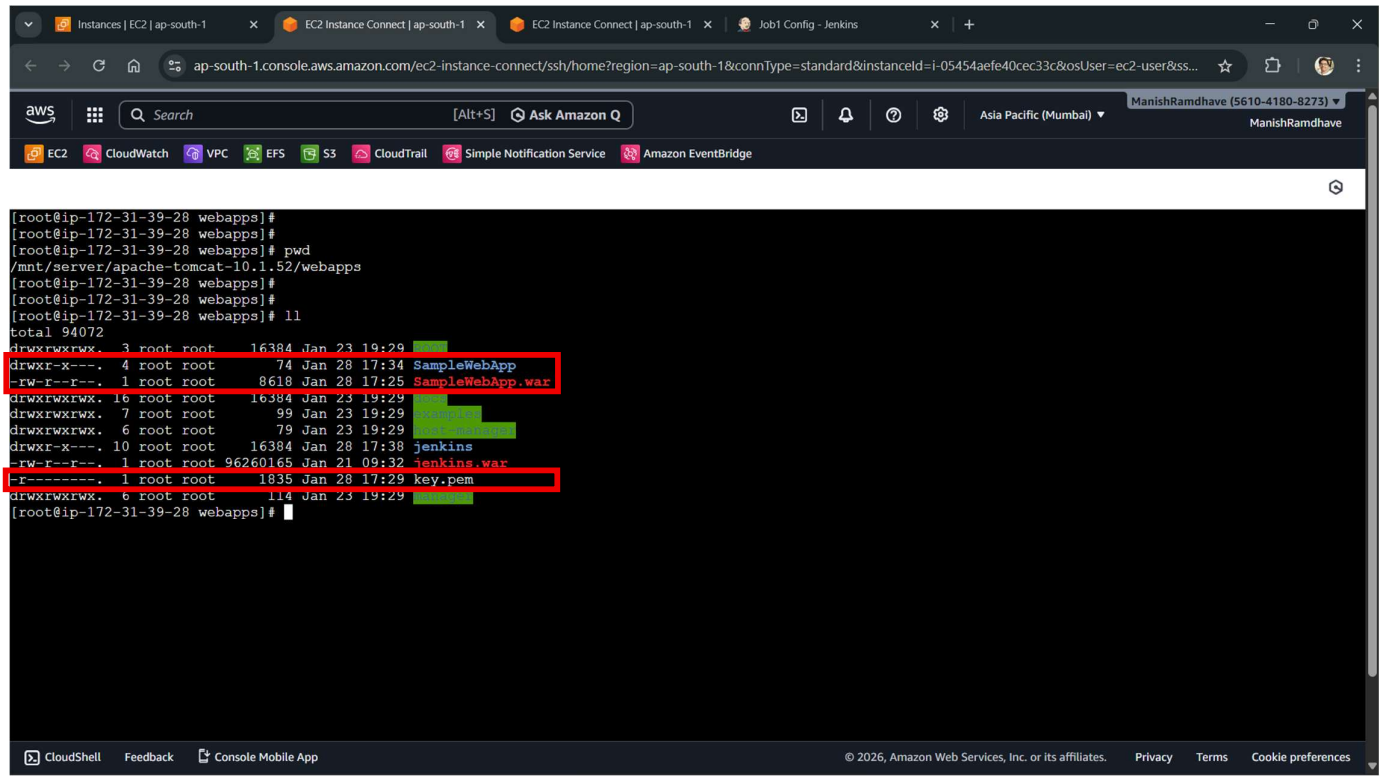
Step 2: Installed Java-17, Apache-Tomcat-10 and Jenkins on Jenkins Master Instance:



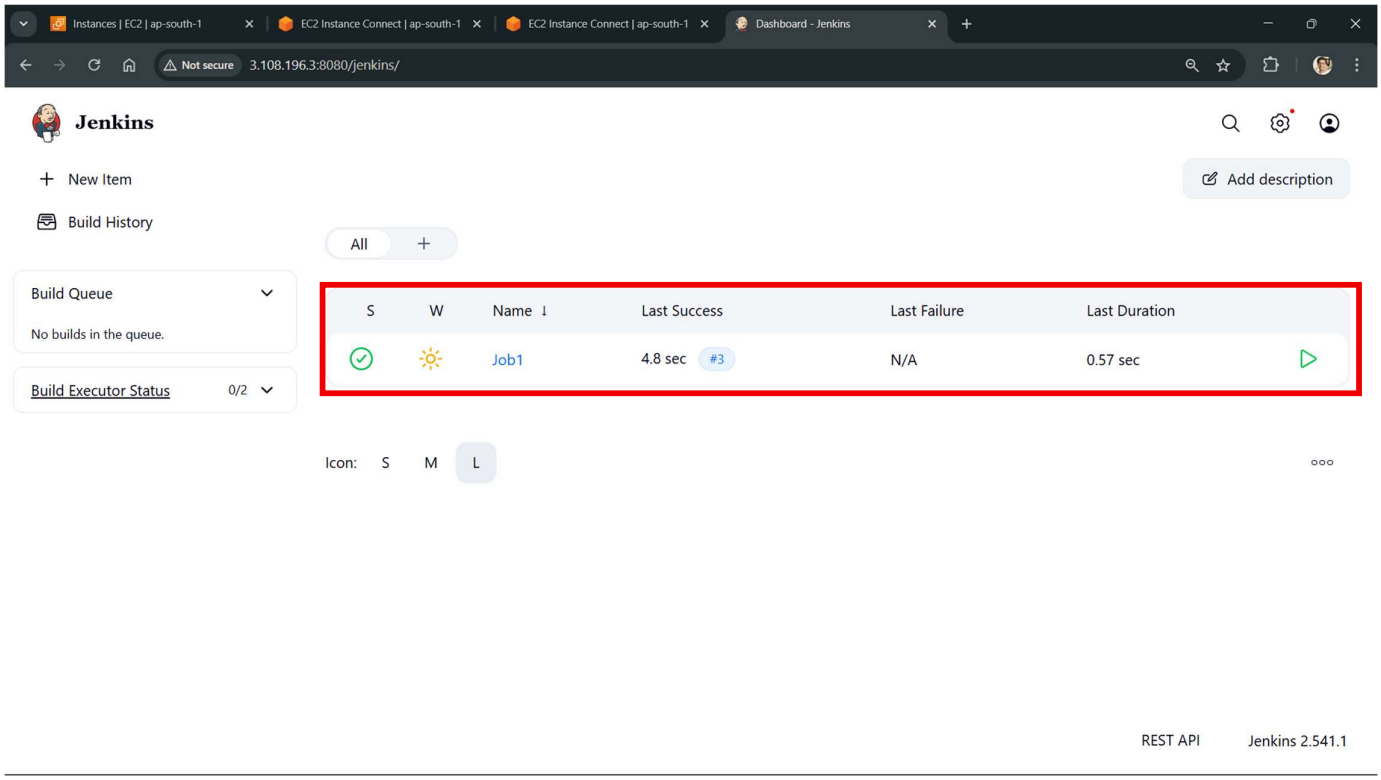
Step 3: Installed Java-17, Apache-Tomcat-10 on the instance which is not a slave:



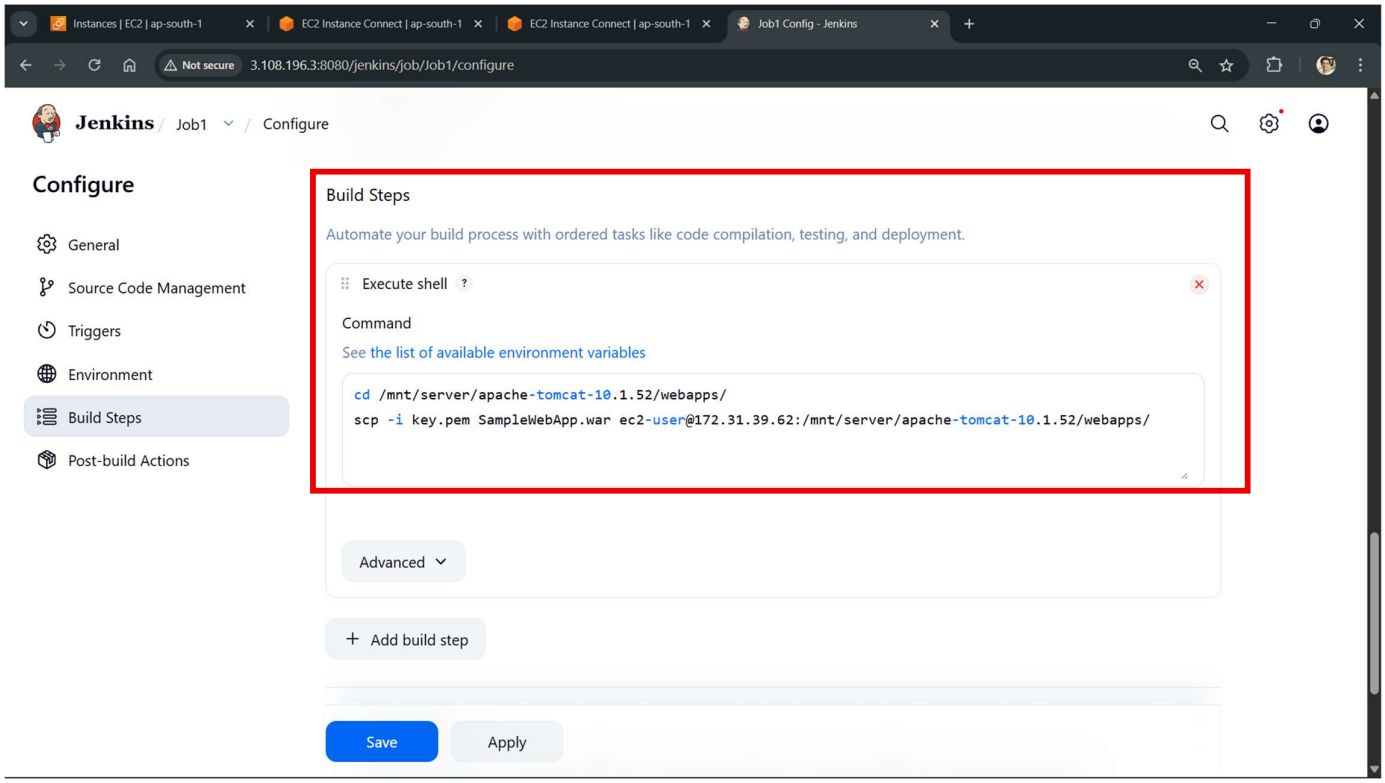
Step 4: Created ‘Private Key-Pair File’ of name ‘key.pem’ using the key-pair and also downloaded the ‘SampleWebApp.war’ file on Tomcat-Home/webapps folder:



Step 5: Created a Freestyle Job in the Jenkins Dashboard named Job1:



Step 6: Executed the shell script using 'scp (secure copy)' command in Job Configuration and deployed the 'SampleWebApp' application on the instance which is not a slave:



Result:

When Build is done by Job1, the ‘SecureWebApp.war’ file will be copied from Jenkins Master instance to the Tomcat-Home/webapps folder of the second instance which is not a slave and then the application will be deployed instantly on same path. We can see the SecureWebApp application is successfully hosted over the internet: