

Assignment 1 : Clone project and generate jar file on Jenkins master instance and copy the same jar to another instance .

Aws Dashbord :

The screenshot shows the AWS Management Console for the 'ap-south-1' region. The left sidebar contains navigation options like EC2 Dashboard, EC2 Global View, Events, and Instances. The main content area displays a list of EC2 instances under the 'Instances (2/2)' tab. Two instances are listed: 'MyJenkinsMaster' (Instance ID: i-07a574c107c766648) and 'jenkins-slaveMachine' (Instance ID: i-02707a004d2d675c5), both in a 'Running' state with 't2.micro' instance type. Below the list, a monitoring section shows CPU utilization (6.24%) and status check failures (1) for the selected instances.

Name	Instance ID	Instance state	Instance type
MyJenkinsMaster	i-07a574c107c766648	Running	t2.micro
jenkins-slaveMachine	i-02707a004d2d675c5	Running	t2.micro

Jenkins master dashboard :

The screenshot shows the Jenkins master dashboard. The top navigation bar includes the Jenkins logo, a search bar, and the user 'Akshay Randive'. The main content area displays a list of builds for the 'Assignment-2' job. The builds are shown in a table with columns for status, name, last success, last failure, and last duration. The 'ProjectJar-copy' build is highlighted as the latest successful build.

S	W	Name	Last Success	Last Failure	Last Duration
🕒	☁️	23Q1-job	1 day 4 hr #5	1 day 5 hr #1	0.86 sec
🕒	☀️	23Q2	1 day 4 hr #3	N/A	0.87 sec
🕒	☁️	23Q3-job	1 day 4 hr #4	1 day 4 hr #2	0.83 sec
✅	☁️	ProjectJar-copy	7 hr 47 min #22	8 hr 7 min #20	8.4 sec

Jenkins master job for task:

Jenkins Search (CTRL+K) Akshay Randive log out

Dashboard > Assignment-2 > ProjectJar-copy >

Project ProjectJar-copy

Changes
Workspace
Build Now
Configure
Delete Project
Rename

Permalinks

- Last build (#22), 7 hr 48 min ago
- Last stable build (#22), 7 hr 48 min ago
- Last successful build (#22), 7 hr 48 min ago
- Last failed build (#20), 8 hr 8 min ago
- Last unsuccessful build (#20), 8 hr 8 min ago
- Last completed build (#22), 7 hr 48 min ago

Build History trend

Filter builds... /

#22 Nov 10, 2023, 6:40 AM
#21

Console output :

Dashboard > Assignment-2 > ProjectJar-copy > #22 > Console Output

```
[INFO] Building war: /mnt/CopyProject/target/LoginWebApp.war
[INFO] --- install:3.1.1:install (default-install) @ LoginWebApp ---
[INFO] Installing /mnt/CopyProject/pom.xml to /root/.m2/repository/com/javawebtutor/LoginWebApp/1.0-SNAPSHOT/LoginWebApp-1.0-SNAPSHOT.pom
[INFO] Installing /mnt/CopyProject/target/LoginWebApp.war to
/root/.m2/repository/com/javawebtutor/LoginWebApp/1.0-SNAPSHOT/LoginWebApp-1.0-SNAPSHOT.war
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.154 s
[INFO] Finished at: 2023-11-10T06:40:20Z
[INFO] -----
[CopyProject] $ /bin/sh -xe /mnt/server/apache-tomcat-9.0.82/temp/jenkins2339680525261071830.sh
+ echo 'started copied and hosting the war'
started copied and hosting the war
+ scp -i /mnt/keypairFile/linux-mumbai-keypair.pem -r /mnt/CopyProject/target/LoginWebApp.war ec2-
user@172.31.45.182:/mnt/server/apache-tomcat-9.0.82/webapps
+ echo 'copied activity done'
copied activity done
Finished: SUCCESS
```

REST API Jenkins 2.414.3

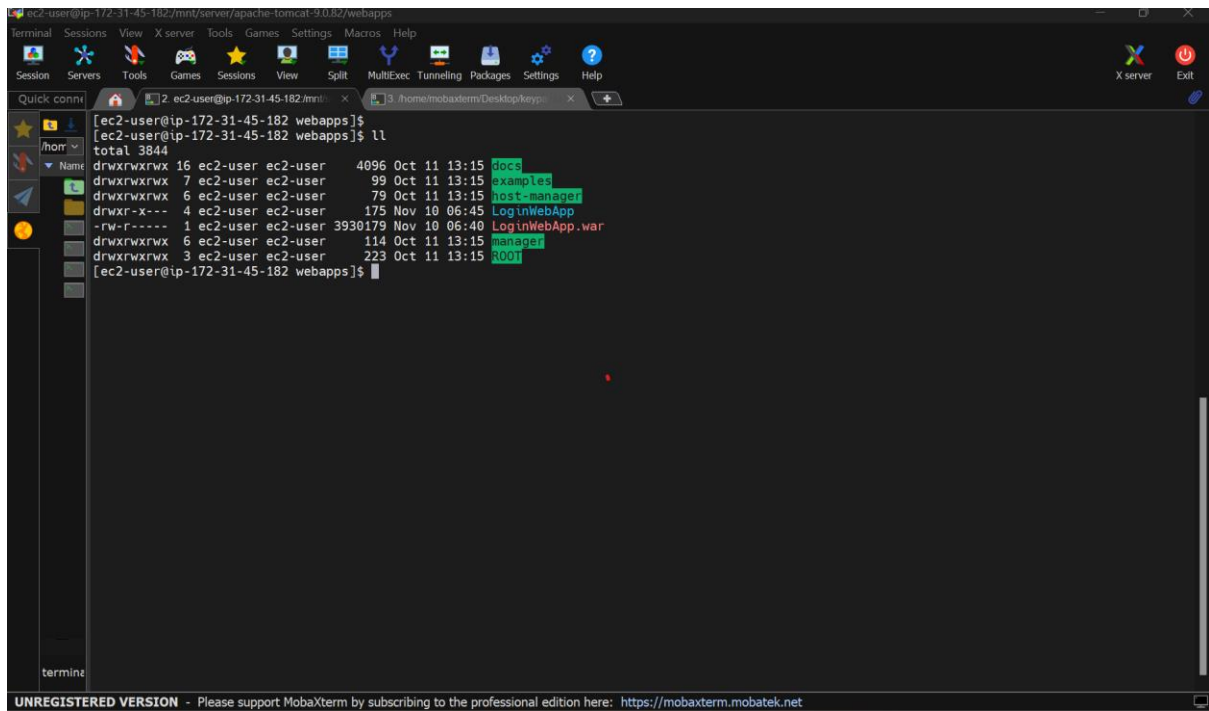
Script :

echo "started copied and hosting the war"

```
scp -i /mnt/keypairFile/linux-mumbai-keypair.pem -r /mnt/CopyProject/target/*.war ec2-user@172.31.45.182:/mnt/server/apache-tomcat-9.0.82/webapps
```

echo "copied activity done"

2nd instance :



The screenshot shows a MobaXterm terminal window with a dark theme. The terminal title bar indicates the connection is to 'ec2-user@ip-172-31-45-182: /mnt/server/apache-tomcat-9.0.82/webapps'. The terminal content shows the user running the 'll' command to list files in the current directory. The output is a long table of file permissions, owners, sizes, and timestamps. The files listed are 'docs', 'examples', 'host-manager', 'LoginWebApp', 'LoginWebApp.war', 'manager', and 'ROOT'. The terminal window has a menu bar with options like 'Terminal', 'Sessions', 'View', 'X server', 'Tools', 'Games', 'Settings', 'Macros', and 'Help'. A sidebar on the left shows a file explorer view. At the bottom of the window, there is a message: 'UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net'.

```
[ec2-user@ip-172-31-45-182 webapps]$ ll
[ec2-user@ip-172-31-45-182 webapps]$ ll
total 3844
drwxrwxrwx 16 ec2-user ec2-user 4096 Oct 11 13:15 docs
drwxrwxrwx  7 ec2-user ec2-user  99 Oct 11 13:15 examples
drwxrwxrwx  6 ec2-user ec2-user  79 Oct 11 13:15 host-manager
drwxr-x---  4 ec2-user ec2-user 175 Nov 10 06:45 LoginWebApp
-rw-r----- 1 ec2-user ec2-user 3930179 Nov 10 06:40 LoginWebApp.war
drwxrwxrwx  6 ec2-user ec2-user 114 Oct 11 13:15 manager
drwxrwxrwx  3 ec2-user ec2-user 223 Oct 11 13:15 ROOT
[ec2-user@ip-172-31-45-182 webapps]$
```

Website front end:

