* Jenkins Assignments *

Assignment 1) Jenkins-Git Repo connection

Steps :

1) Launch EC2 instance go to mnt & download java 11

2) Make directory & inside directory download apache tomcat

3) unzip tomcat & delete zip tomcat, Give permission to tomcat file

4) Inside tomcat go to webapps & download Jenkins.war

5) inside tomcat go to bin & hit ./startup.sh to start Jenkins

6) Copy public IPV4 of instance and paster it to browser along with port 8080 & Jenkins (Inst ip:8080/Jenkins). You will see Jenkins UI

7) Go to cd.. & cd /root/   & pwd you will be in root directory

8) ls -ltra you will see .jenkins it will be Jenkins home, whatever task you will perform you will see here in backend at .jenkins

9) Go to Jenkins dashboard copy link to get password and paste here along with cat, u will get a password to access Jenkins, paste it in Jenkins

10) install plugins in first option, you will install plugins, then you have to create admin user with username, password, full name, email id then start using Jenkins

11) You have to create 3 different repository in Jenkins with repo1, repo2, repo3

12) In VI editor, you have to add index.html inside each repository by doing directory, git init, creating file, adding it, commiting, adding it ti remote repository, push to master

13) The same process will be there for remaining two repositories

14) Inside Jenkins, you have to create three jobs

15) for Job1)- job name,freestyle project, job description, recent build requirement, use custom workspace, add git repository 1 url with user credentials, delete custom workspace before build start

16) write script in shell

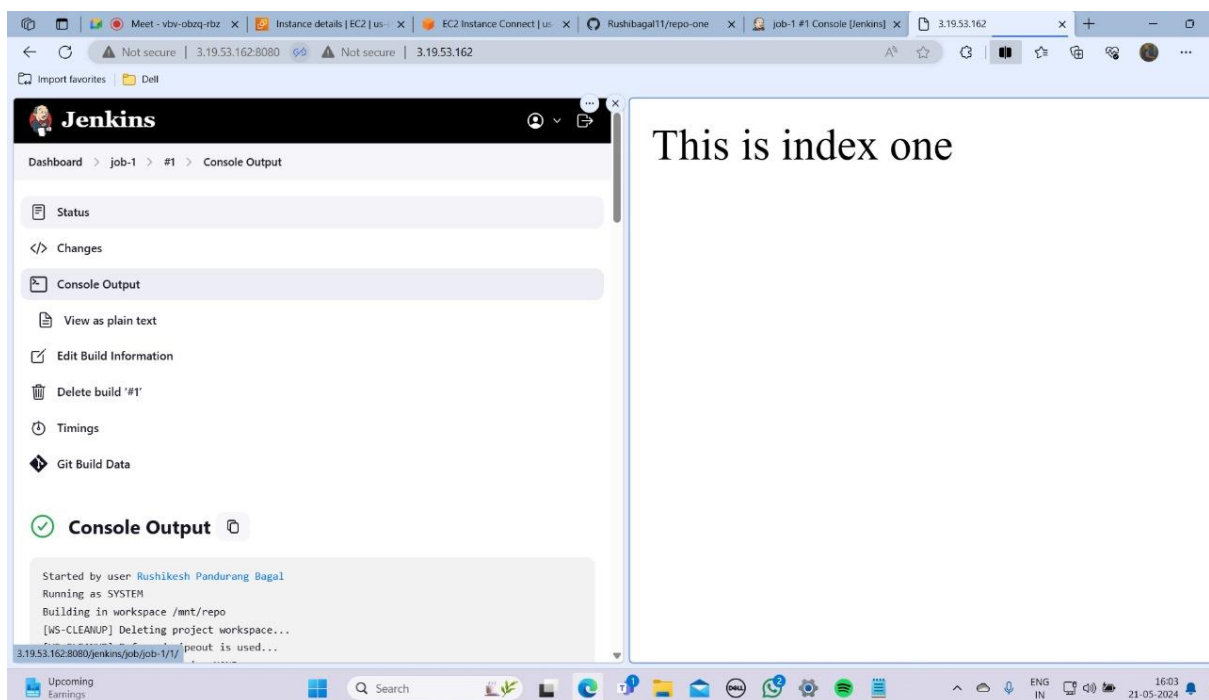Yum install httpd -y

Service httpd start

Cp /mnt/repo/index.html var/www/html

Chmod -R 777 var/www/html

Service httpd restart

17) Do apply and save job

18) Do build now, You have to copy instance IPV$ in browser, youwill see content in index file on desktop

HERE ARE ESSENTIAL SCREENSHOTS OF ASSIGNMENT

This is index two

Dashboard > job-2 > #1 > Console Output

📄 View as plain text

☑ Edit Build Information

🗑 Delete build '#1'

🕐 Timings

◆ Git Build Data

✓ **Console Output** 📋

```
Started by user Rushikesh Pandurang Bagal
Running as SYSTEM
Building in workspace /mnt/repo
[WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] Done
The recommended git tool is: NONE
using credential e8f37221-6ec0-4b54-a89e-74c80578ab3a
Cloning the remote Git repository
Cloning repository https://github.com/Rushibagal11/repo-two.git
 > git init /mnt/repo # timeout=10
Fetching upstream changes from https://github.com/Rushibagal11/repo-two.git
 > git --version # timeout=10
 > git --version # 'git version 2.40.1'
```

---

s is index three

Jenkins

Dashboard > job-3 > #1 > Console Output

📋 Status

</> Changes

⌨ Console Output

📄 View as plain text

☑ Edit Build Information

🗑 Delete build '#1'

🕐 Timings

◆ Git Build Data

✓ **Console Output** 📋

```
Started by user Rushikesh Pandurang Bagal
Running as SYSTEM
Building in workspace /mnt/repo
[WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
```

Jenkins

Search (CTRL+K)

Rushikesh Pandurang Bagal ⌄   log out

+ New Item

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Add description

All   +

S	W	Name ↓	Last Success	Last Failure	Last Duration	
✓	☀	job-1	55 min #1	N/A	9 sec	▷
✓	☀	job-2	20 min #1	N/A	2.7 sec	▷
✓	☀	job-3	5 min 7 sec #1	N/A	2.6 sec	▷

Build Queue ⌄

No builds in the queue.

Build Executor Status ⌄

1 Idle

2 Idle

Icon: S   M   L

ooo

REST API   Jenkins 2.452.1