

Assignment 2: CI/CD project

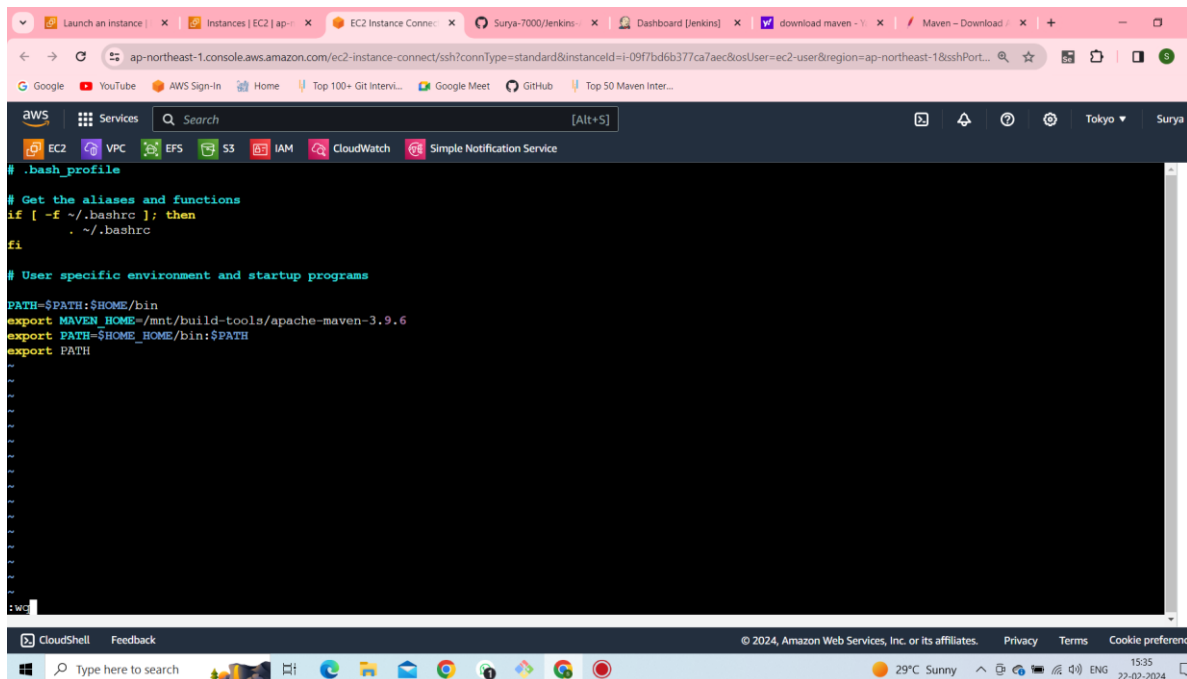
Step 1: install java 11 version

Step 2: install Apache tomcat 9 version

Step 3: install git

Step 4 install maven via zip file and configure environment variable

.bash_profile



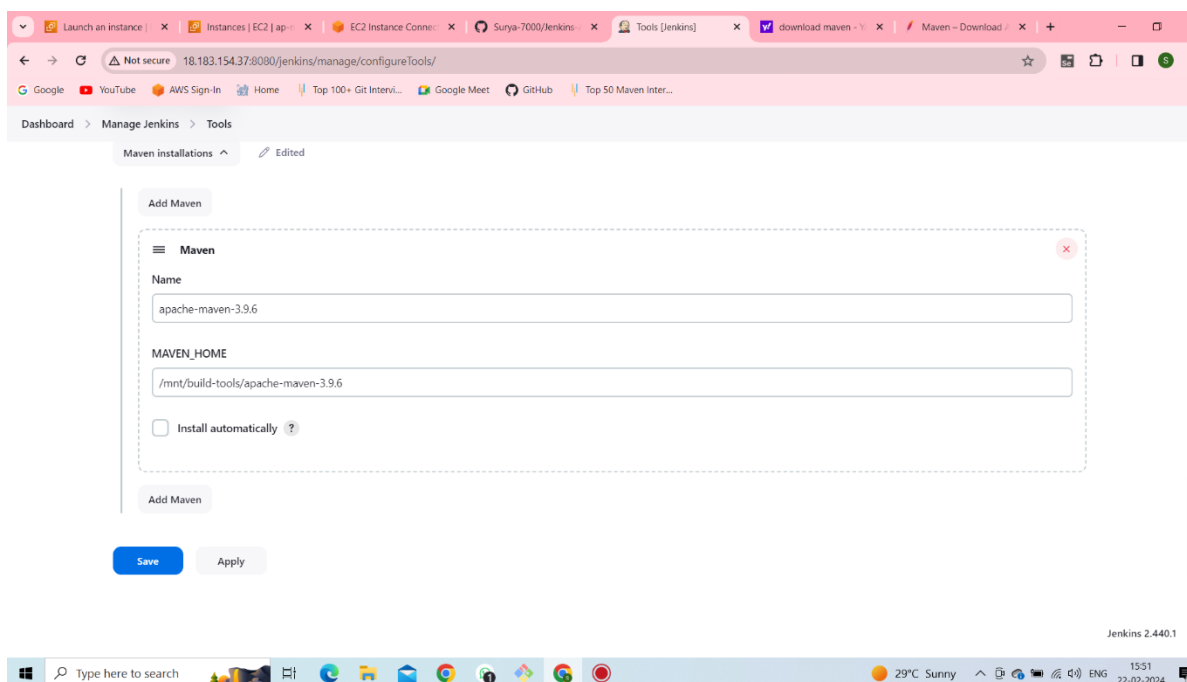
```
# .bash_profile

# Get the aliases and functions
if [ -f ~/.bashrc ]; then
    . ~/.bashrc
fi

# User specific environment and startup programs

PATH=$PATH:$HOME/bin
export MAVEN_HOME=/mnt/build-tools/apache-maven-3.9.6
export PATH=$HOME_HOME/bin:$PATH
export PATH
```

Maven setup in Jenkins



Dashboard > Manage Jenkins > Tools

Maven installations ^ Edited

Add Maven

Maven

Name

MAVEN_HOME

☐ Install automatically ?

Add Maven

Save Apply

Jenkins 2.440.1

Crete job : loginwebapps

Set url git repo & credential

The screenshot shows the Jenkins 'Configure' page for a job named 'LoginWebApp'. The 'Source Code Management' tab is selected. Under the 'Git' section, the 'Repository URL' is set to 'https://github.com/Surya-7000/project.git' and the 'Credentials' are set to 'Surya-7000/***** (token id)'. The 'Advanced' options are collapsed. The 'Add Repository' button is visible. The 'Branches to build' section is empty. The 'Save' and 'Apply' buttons are at the bottom.

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

None

Git

Repositories

Repository URL

https://github.com/Surya-7000/project.git

Credentials

Surya-7000/***** (token id)

+ Add

Advanced

Add Repository

Branches to build

Save Apply

Build step

The screenshot shows the Jenkins 'Configure' page for a job named 'LoginWebApp'. The 'Build Steps' tab is selected. Two build steps are configured: 'Execute shell' and 'Invoke top-level Maven targets'. The 'Execute shell' step has the command 'rm -rf /root/.m2/repository'. The 'Invoke top-level Maven targets' step has 'Maven Version' set to 'apache-maven-3.9.6' and 'Goals' set to 'clean install'. The 'Save' and 'Apply' buttons are at the bottom.

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

Execute shell

Command

See [the list of available environment variables](#)

rm -rf /root/.m2/repository

Advanced

Invoke top-level Maven targets

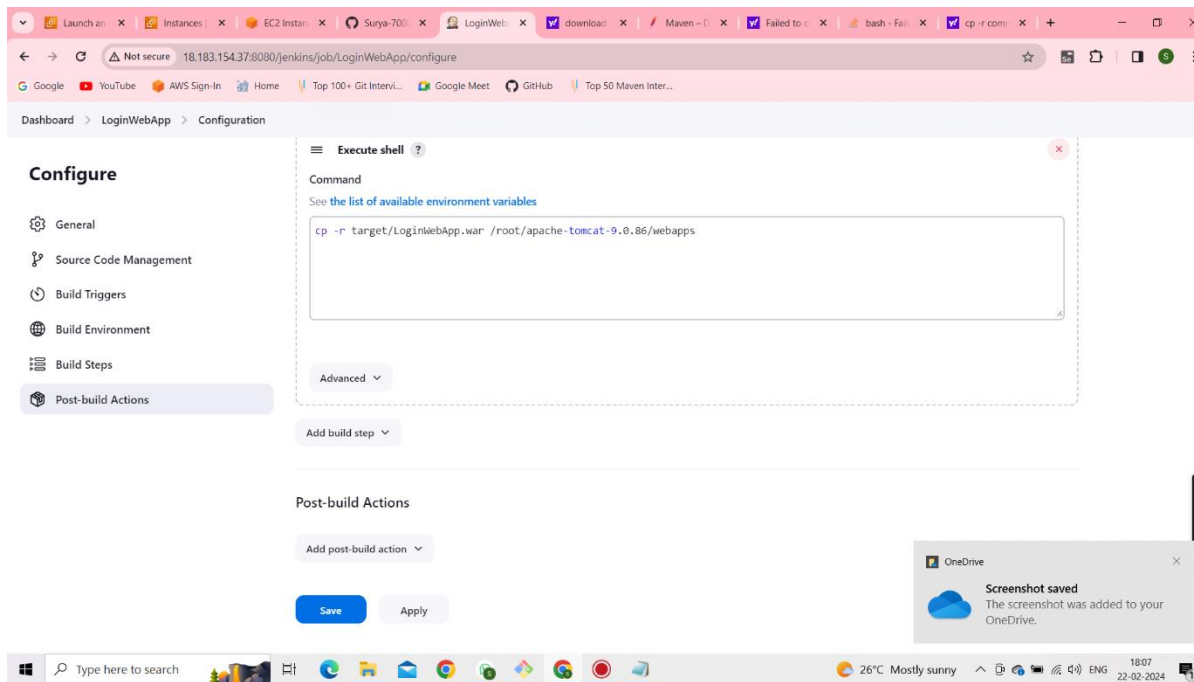
Maven Version

apache-maven-3.9.6

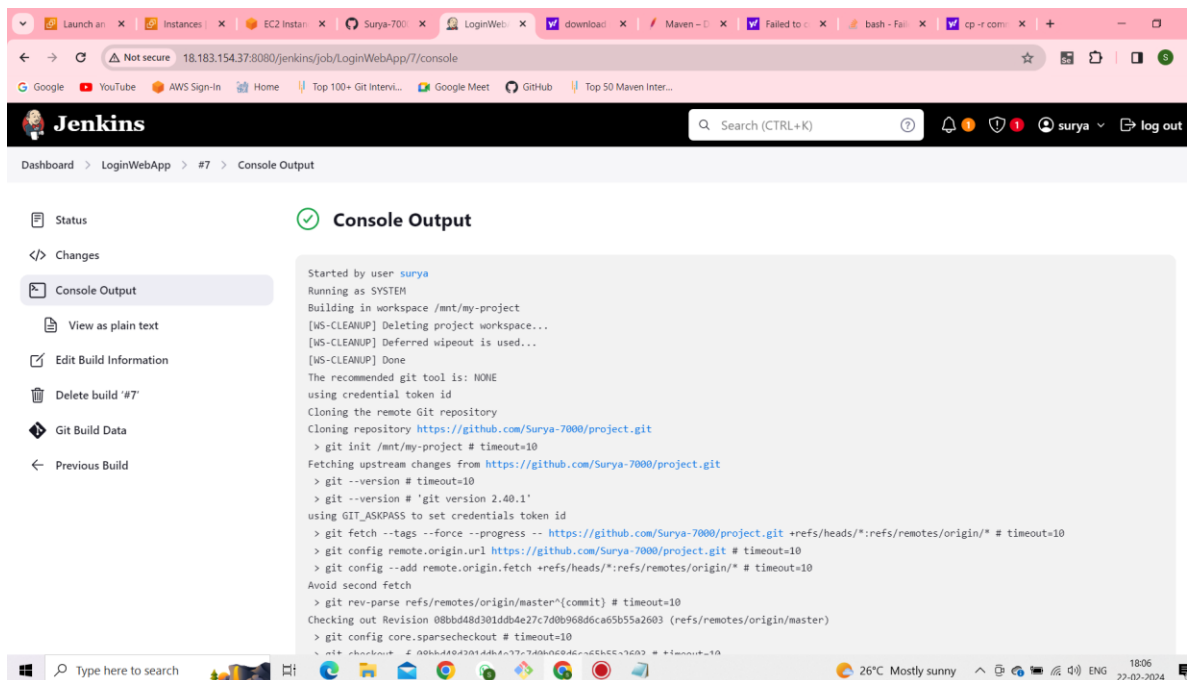
Goals

clean install

Save Apply



Console output



Application Deploy on tomcat & Access LoginWebApps

