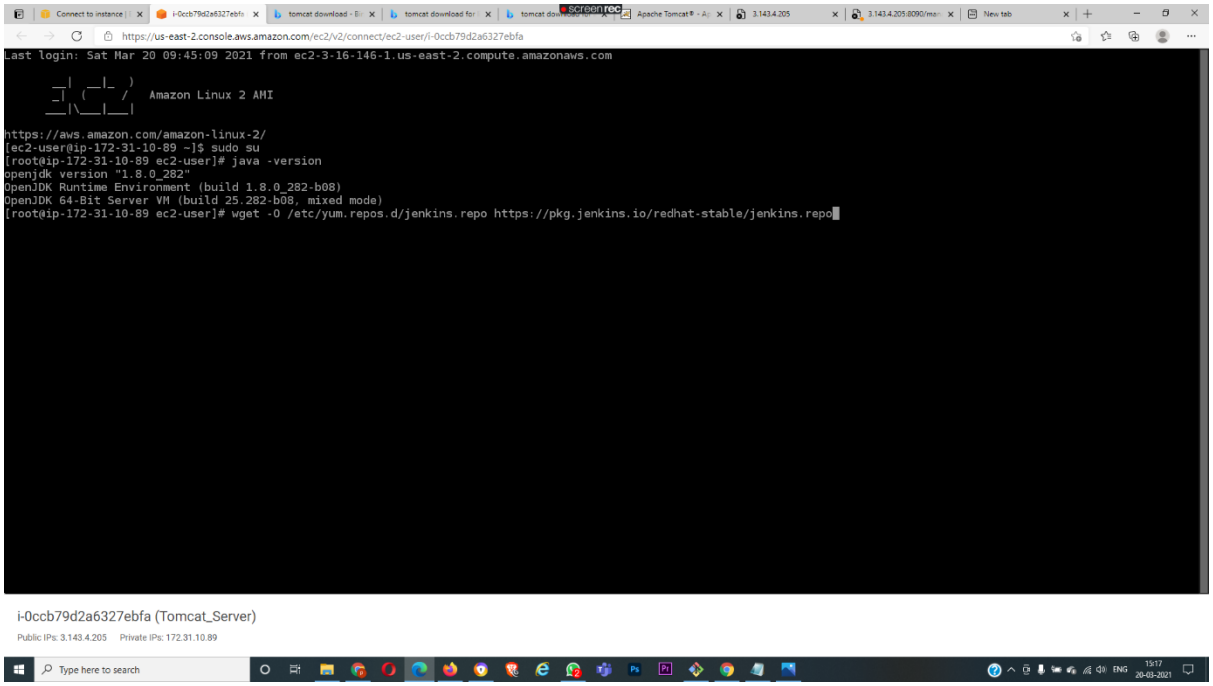
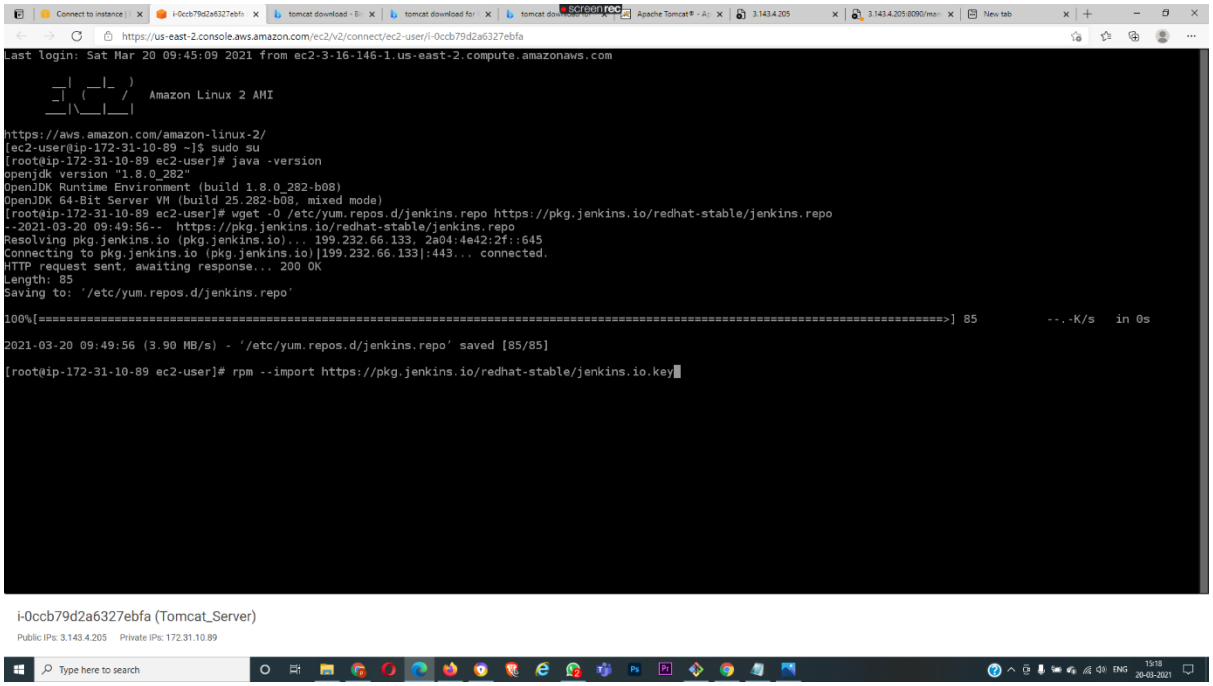
AWS PROJECT 7

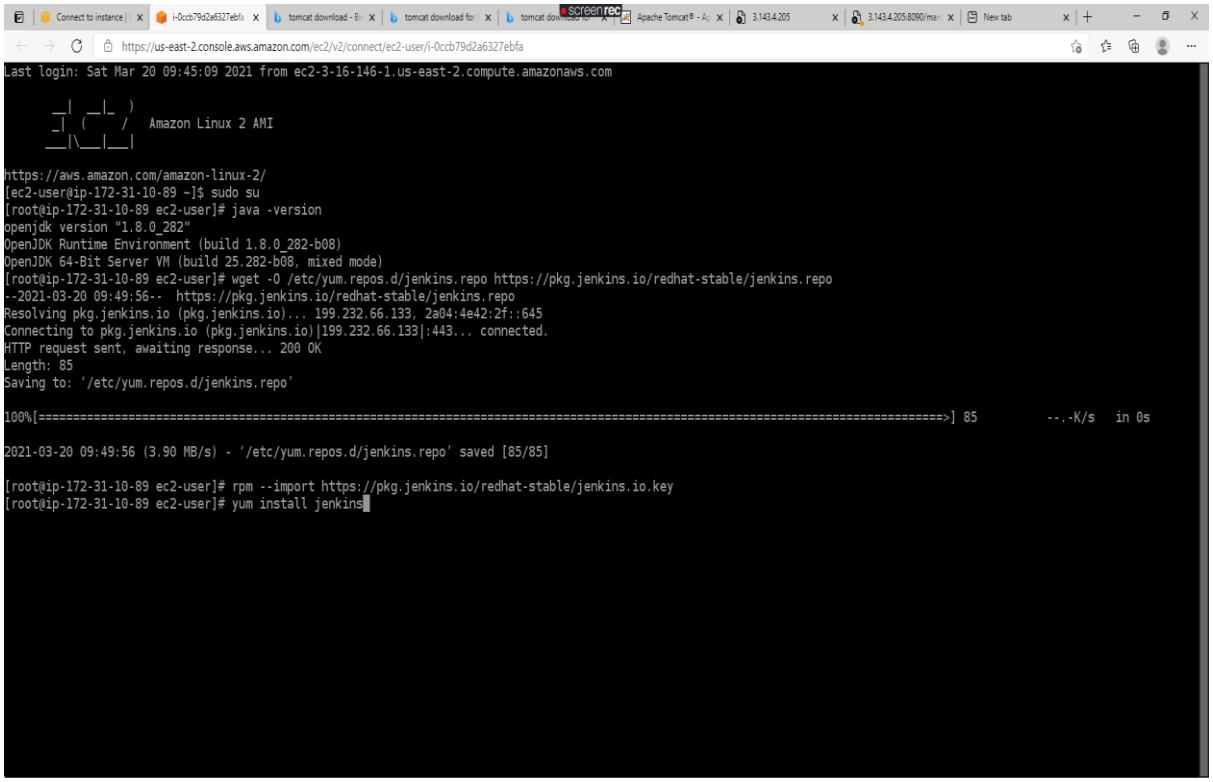
DEVOPS-JENKINS-INSTALLATION AND CONFIGURATION ON LINUX

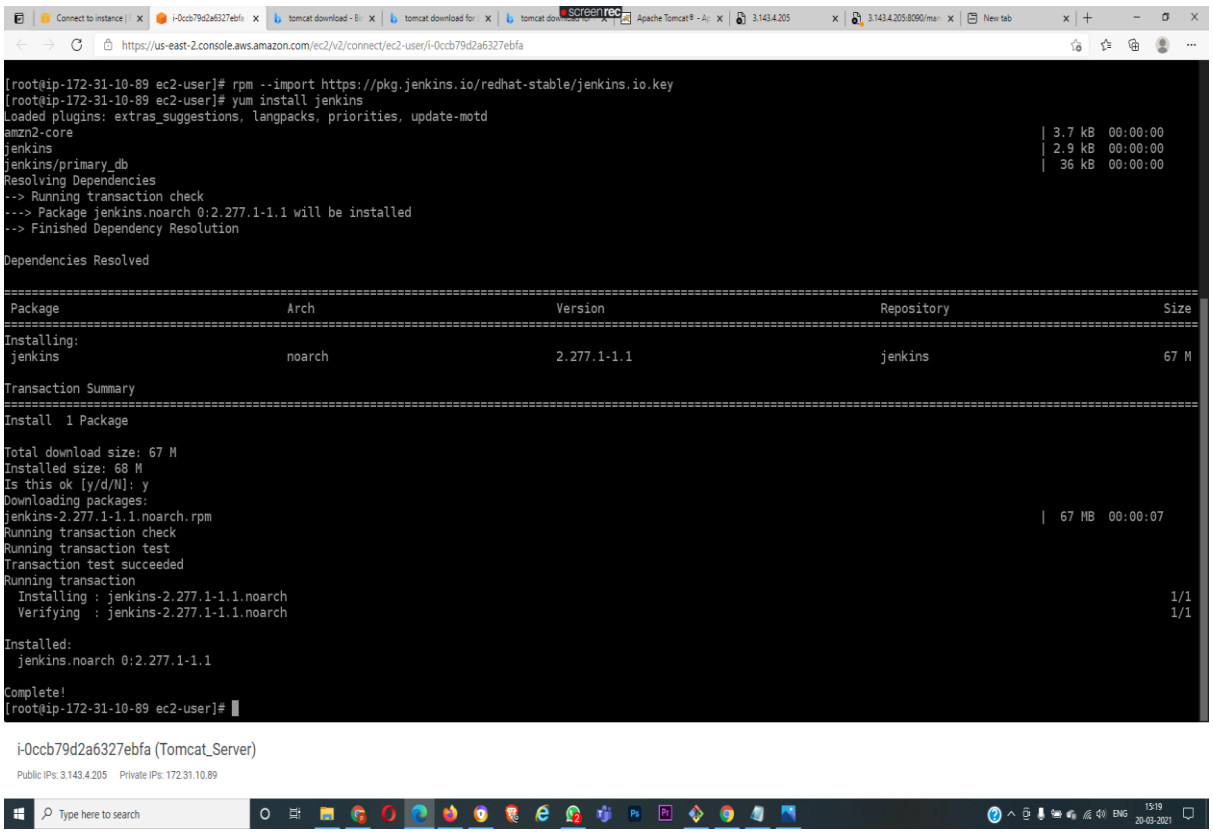
-PRUTHVI RAJ.M

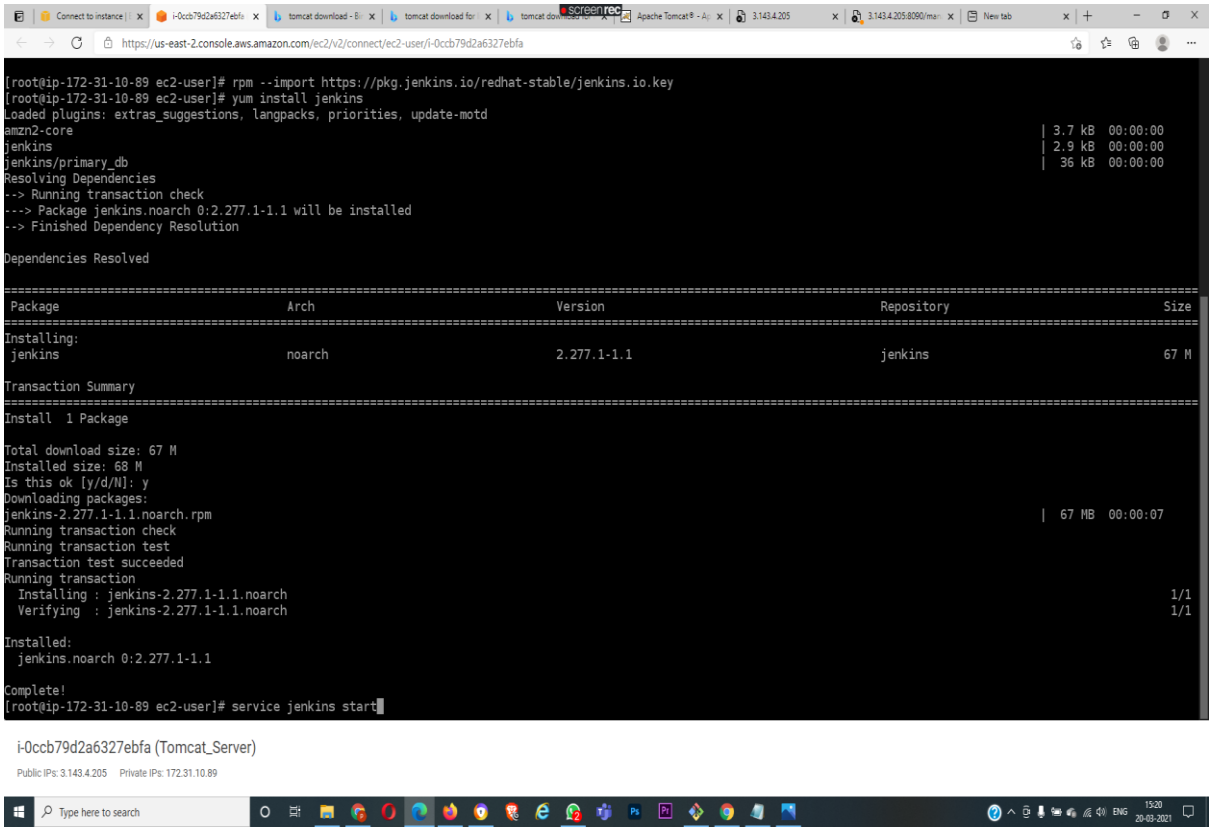
INSTALLING JENKINS IN LINUX






https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0ccb79d2a6327ebfa
Last login: Sat Mar 20 09:45:09 2021 from ec2-3-16-146-1.us-east-2.compute.amazonaws.com
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-10-89 ~]$ sudo su
[root@ip-172-31-10-89 ec2-user]# java -version
openjdk version "1.8.0_282"
OpenJDK Runtime Environment (build 1.8.0_282-b08)
OpenJDK 64-Bit Server VM (build 25.282-b08, mixed mode)
[root@ip-172-31-10-89 ec2-user]# wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo
--2021-03-20 09:49:56-- https://pkg.jenkins.io/redhat-stable/jenkins.repo
Resolving pkg.jenkins.io (pkg.jenkins.io)... 199.232.66.133, 2a04:4e42:2f::645
Connecting to pkg.jenkins.io (pkg.jenkins.io)|199.232.66.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 85
Saving to: '/etc/yum.repos.d/jenkins.repo'
100%[==========>] 85 --.-K/s in 0s
2021-03-20 09:49:56 (3.90 MB/s) - '/etc/yum.repos.d/jenkins.repo' saved [85/85]
[root@ip-172-31-10-89 ec2-user]# rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key
[root@ip-172-31-10-89 ec2-user]# yum install jenkins
i-0ccb79d2a6327ebfa (Tomcat_Server)
Public IPs: 3.143.4.205 Private IPs: 172.31.10.89
Type here to search


https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0ccb79d2a6327ebfa
[root@ip-172-31-10-89 ec2-user]# rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key
[root@ip-172-31-10-89 ec2-user]# yum install jenkins
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
jenkins | 2.9 kB 00:00:00
jenkins/primary_db | 36 kB 00:00:00
Resolving Dependencies
--> Running transaction check
---> Package jenkins.noarch 0:2.277.1-1.1 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
Package Arch Version Repository Size
Installing:
jenkins noarch 2.277.1-1.1 jenkins 67 M
Transaction Summary
Install 1 Package
Total download size: 67 M
Installed size: 68 M
Is this ok [y/d/N]: y
Downloading packages:
jenkins-2.277.1-1.1.noarch.rpm | 67 MB 00:00:07
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : jenkins-2.277.1-1.1.noarch 1/1
Verifying : jenkins-2.277.1-1.1.noarch 1/1
Installed:
jenkins.noarch 0:2.277.1-1.1
Complete!
[root@ip-172-31-10-89 ec2-user]#
i-0ccb79d2a6327ebfa (Tomcat_Server)
Public IPs: 3.143.4.205 Private IPs: 172.31.10.89
Type here to search


https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0ccb79d2a6327ebfa
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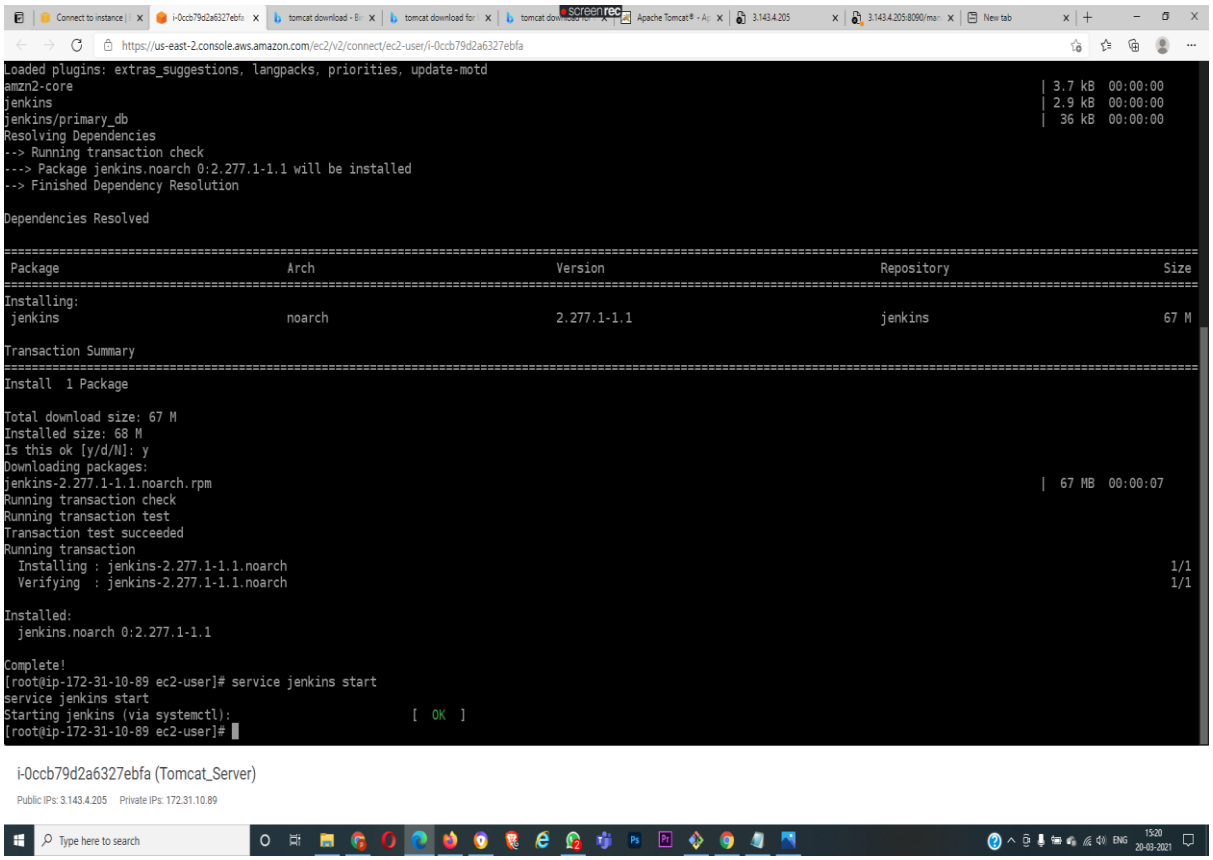
Verifying : jenkins-2.277.1-1.1.noarch 1/1
Installed:
jenkins.noarch 0:2.277.1-1.1
Complete!
[root@ip-172-31-10-89 ec2-user]# service jenkins start
i-0ccb79d2a6327ebfa (Tomcat_Server)
Public IPs: 3.143.4.205 Private IPs: 172.31.10.89
Type here to search
15:20
20-03-2021


https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0ccb79d2a6327ebfa
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
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Verifying : jenkins-2.277.1-1.1.noarch 1/1
Installed:
jenkins.noarch 0:2.277.1-1.1
Complete!
[root@ip-172-31-10-89 ec2-user]# service jenkins start
service jenkins start
Starting jenkins (via systemctl): [OK]
[root@ip-172-31-10-89 ec2-user]#
i-0ccb79d2a6327ebfa (Tomcat_Server)
Public IPs: 3.143.4.205 Private IPs: 172.31.10.89
Type here to search
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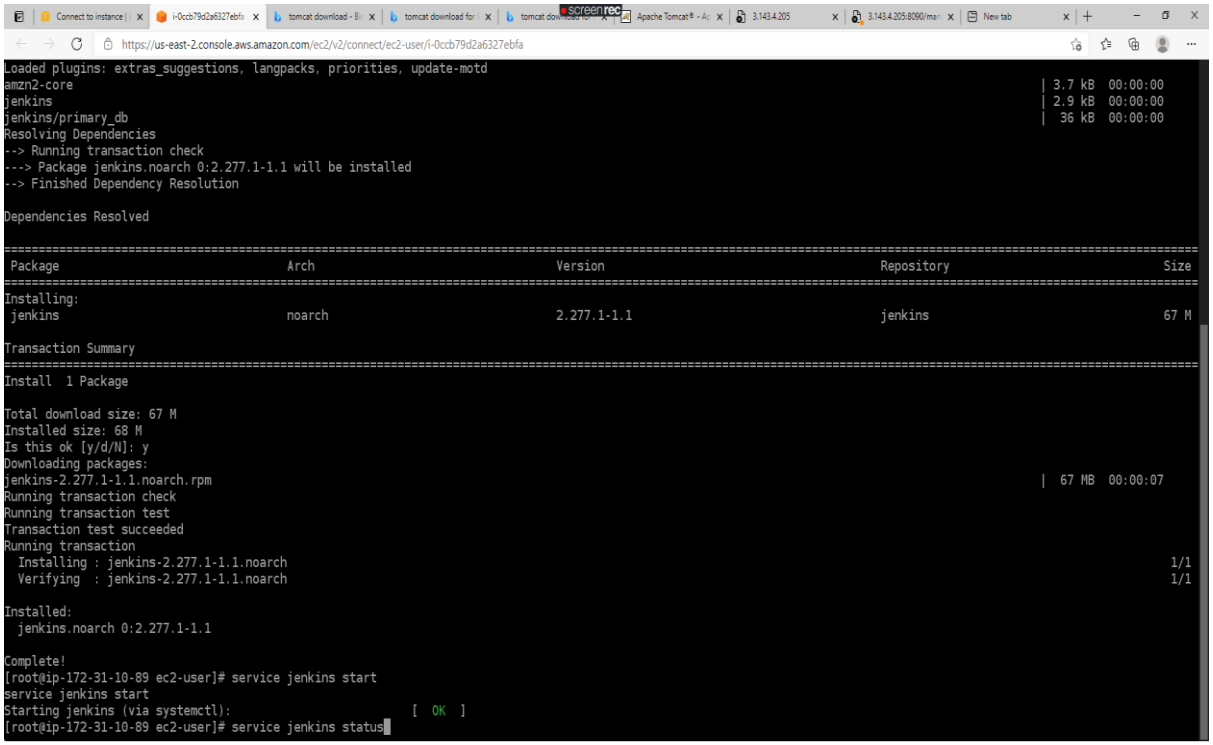
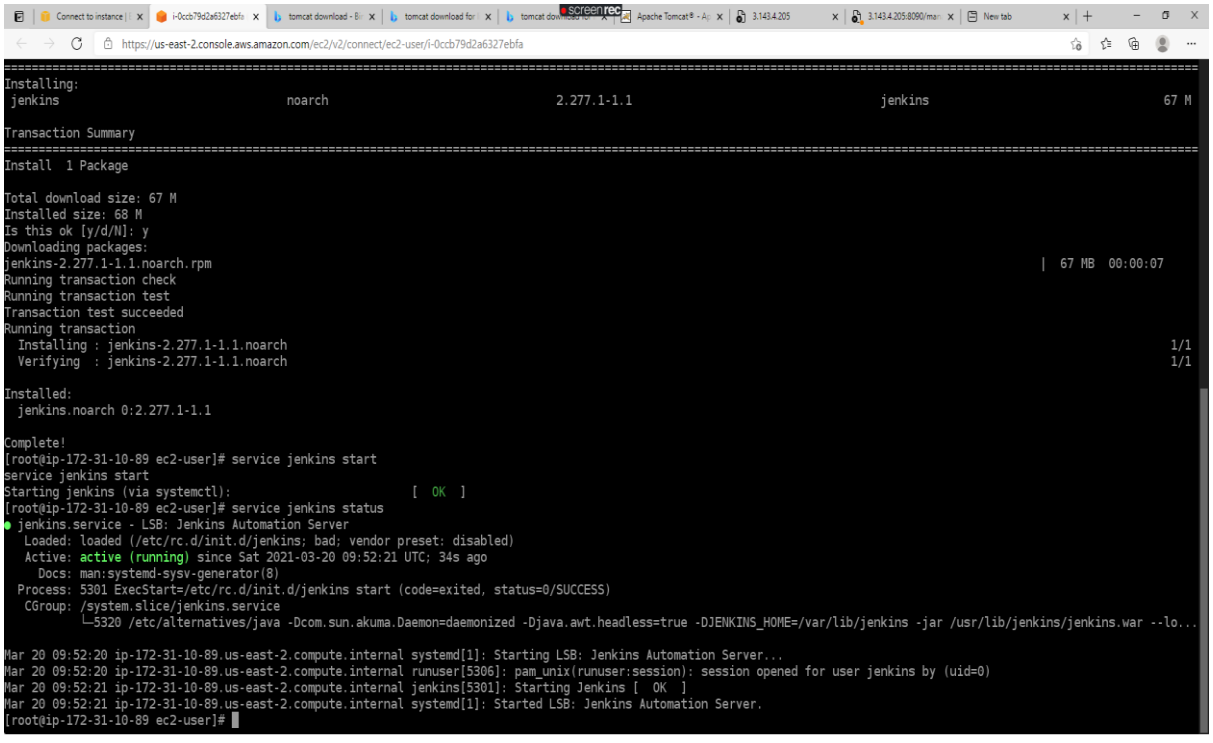
20-03-2021



i-0ccb79d2a6327ebfa (Tomcat_Server)

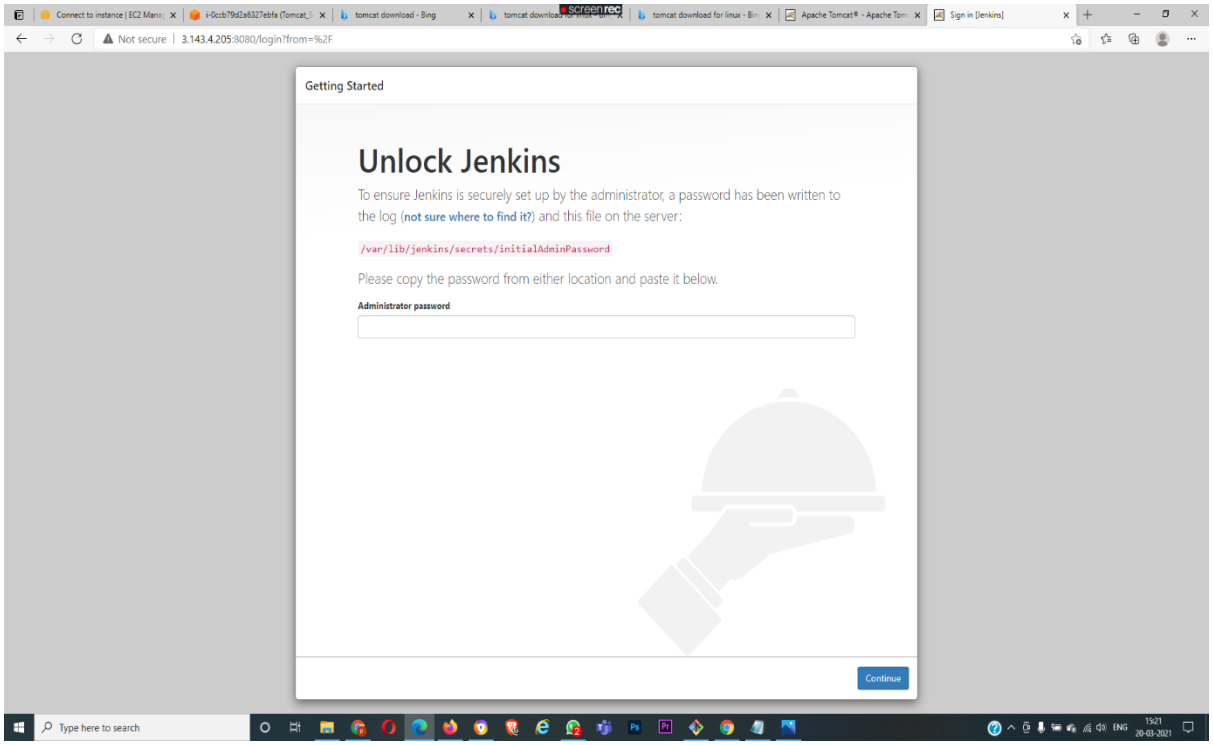
Public IPs: 3.143.4.205 Private IPs: 172.31.10.89

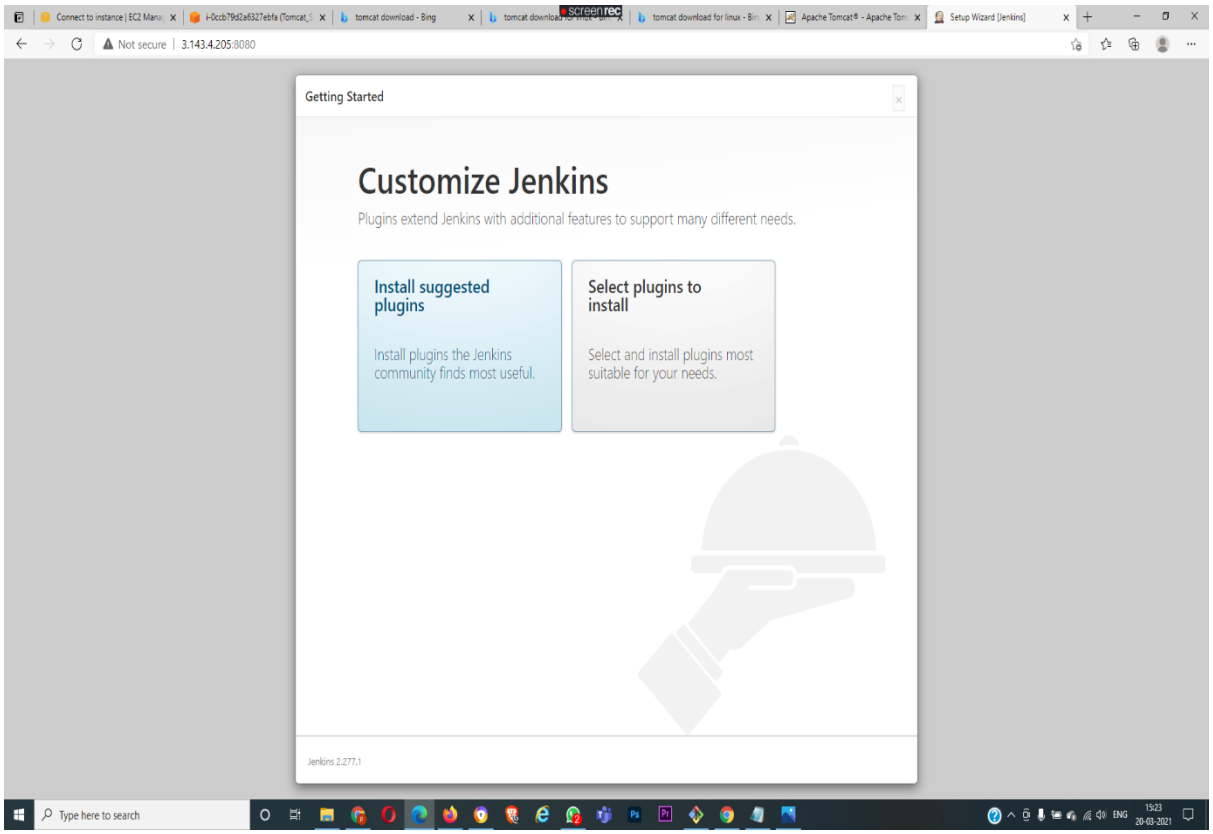


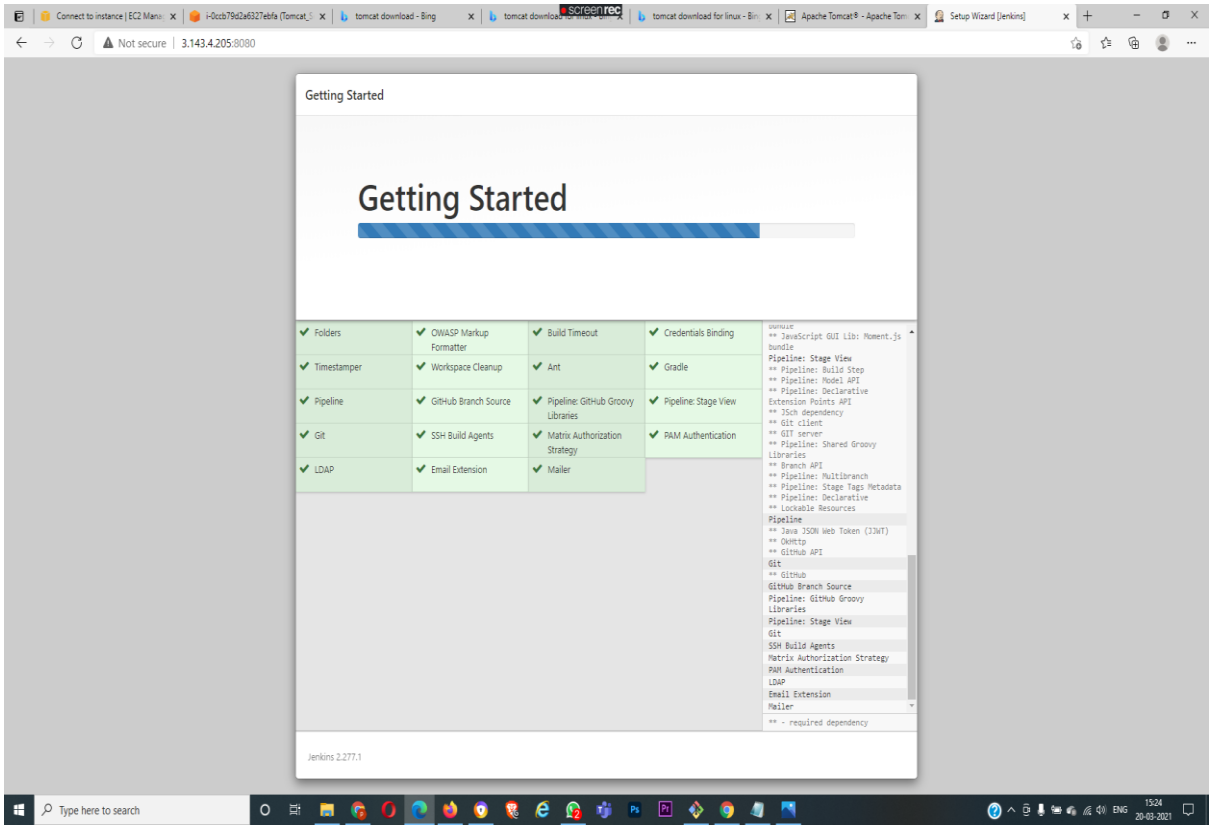
i-0ccb79d2a6327ebfa (Tomcat_Server)

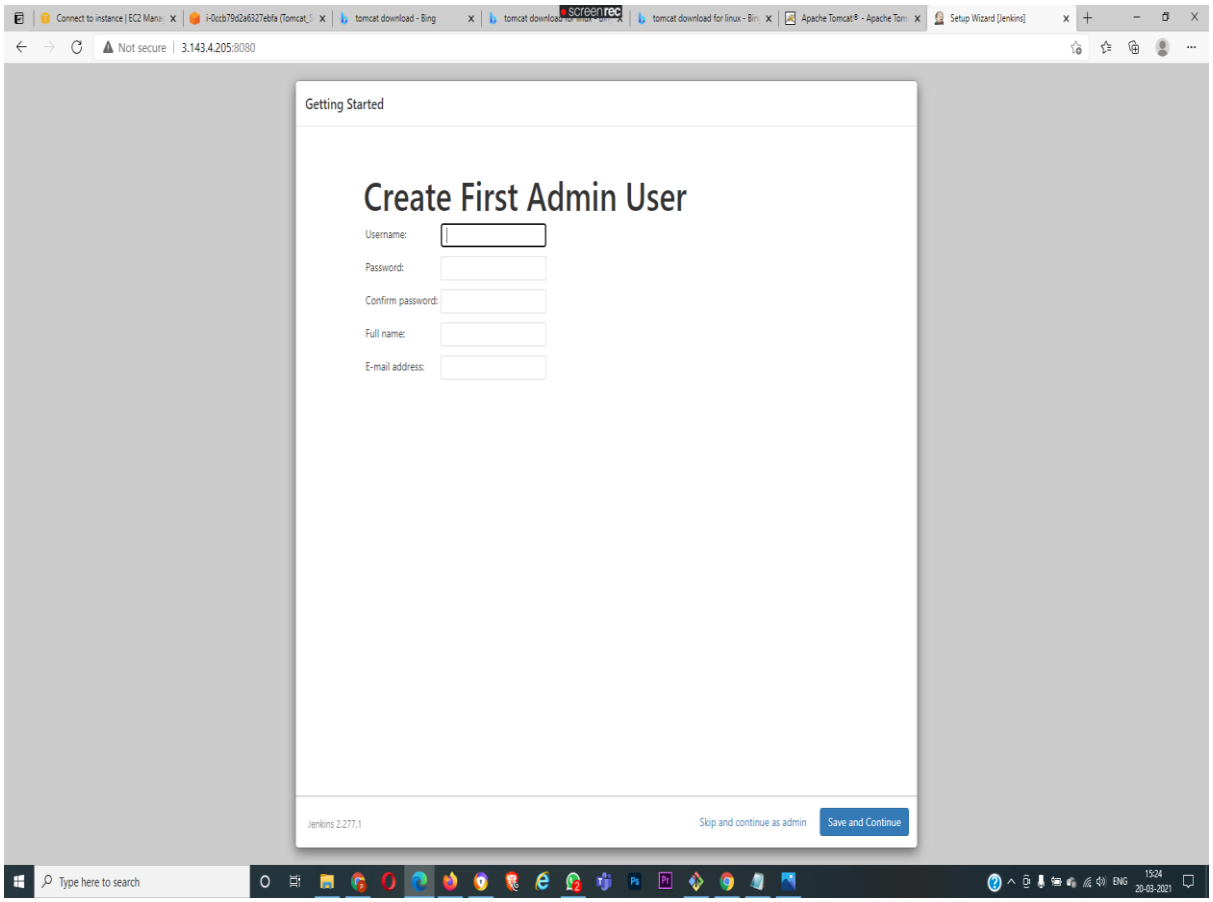
Public IPs: 3.143.4.205 Private IPs: 172.31.10.89

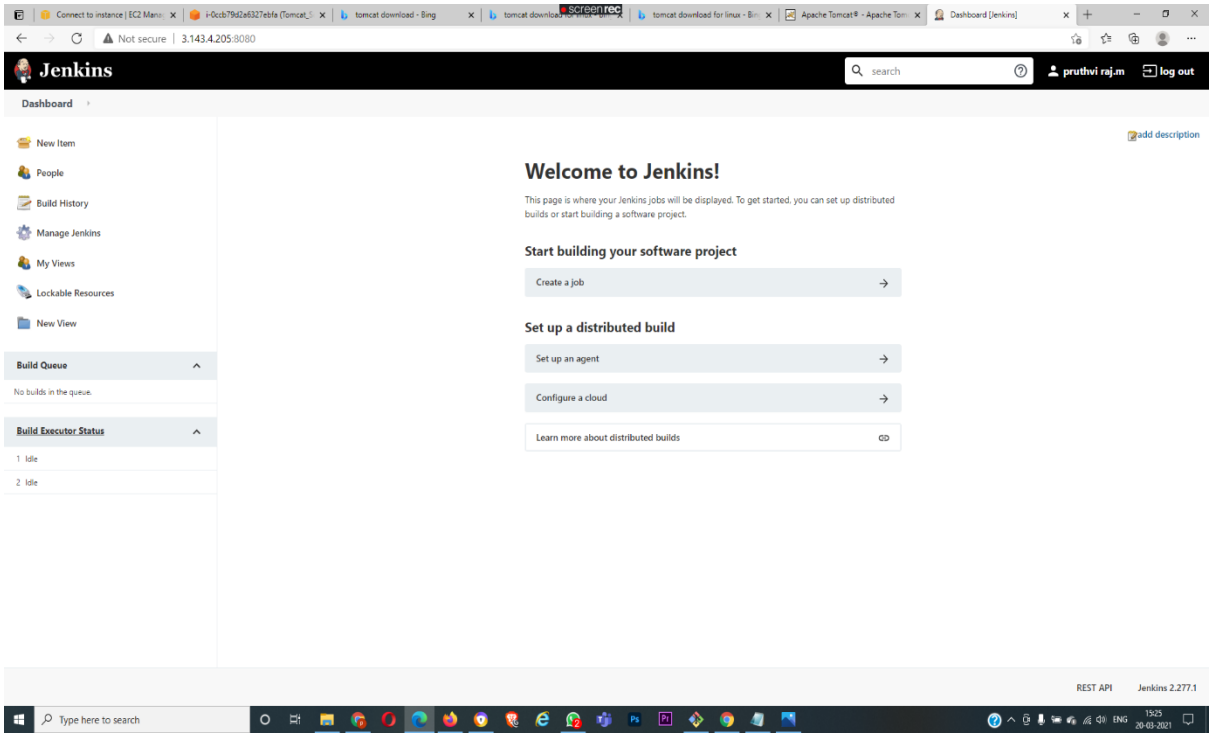
JENKINS


Not secure | 3.143.4.205:8080/login?from=%2F
Getting Started
Unlock Jenkins
To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:
/var/lib/jenkins/secrets/initialAdminPassword
Please copy the password from either location and paste it below.
Administrator password
Continue
Type here to search

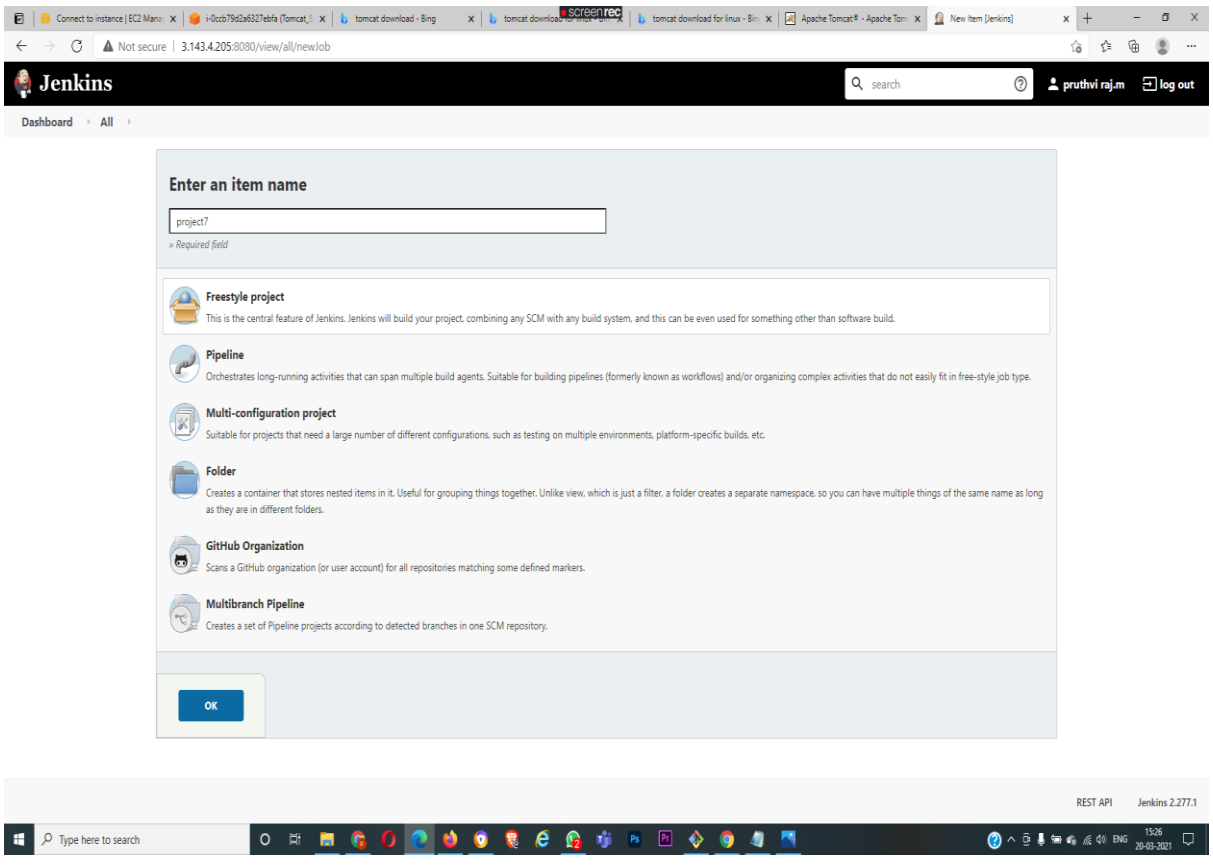

Not secure | 3.143.4.205:8080
Getting Started
Customize Jenkins
Plugins extend Jenkins with additional features to support many different needs.
Install suggested plugins
Install plugins the Jenkins community finds most useful.
Select plugins to install
Select and install plugins most suitable for your needs.
Jenkins 2.277.1
Type here to search

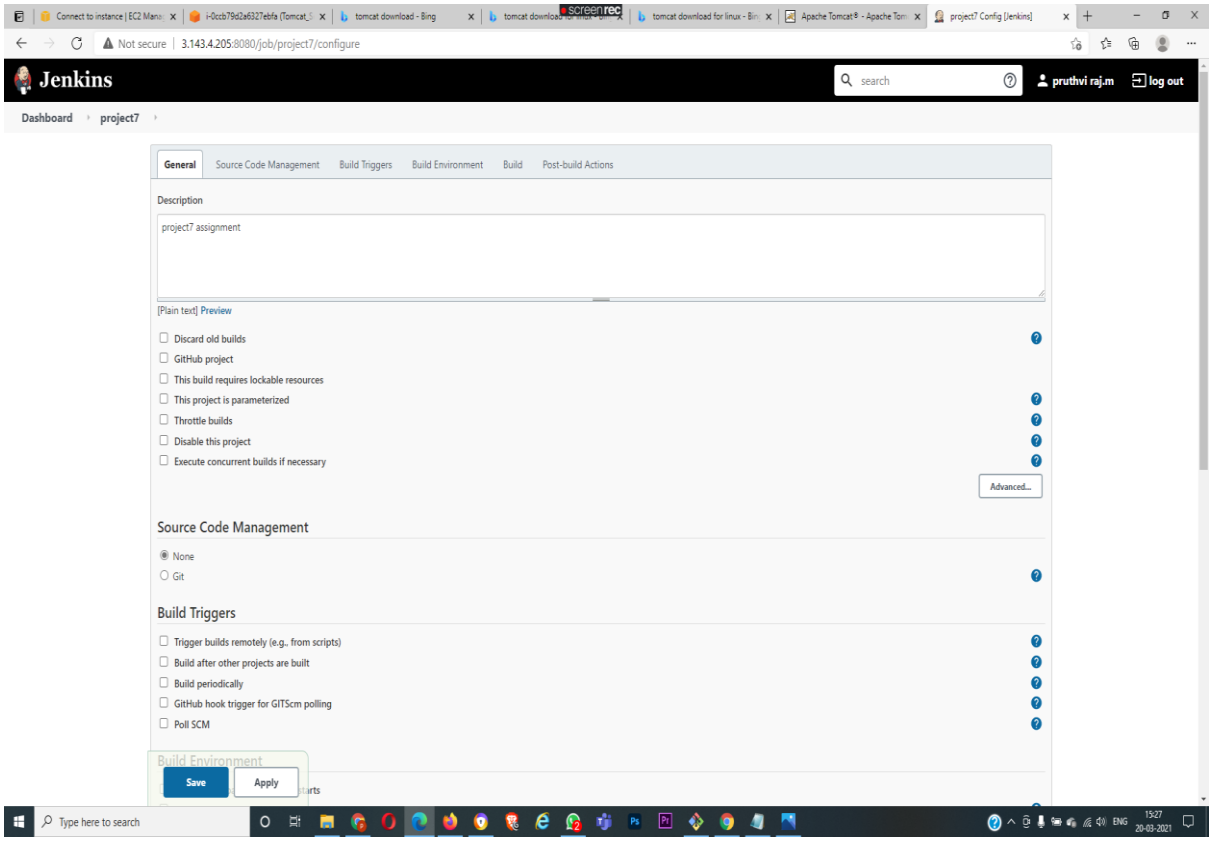

Not secure | 3.143.4.205:8080
Getting Started
Getting Started
Folders
OWASP Markup Formatter
Build Timeout
Credentials Binding
Timestamper
Workspace Cleanup
Ant
Gradle
Pipeline
GitHub Branch Source
Pipeline: GitHub Groovy Libraries
Pipeline: Stage View
Git
SSH Build Agents
Matrix Authorization Strategy
PAM Authentication
LDAP
Email Extension
Mailer
Jenkins 2.277.1

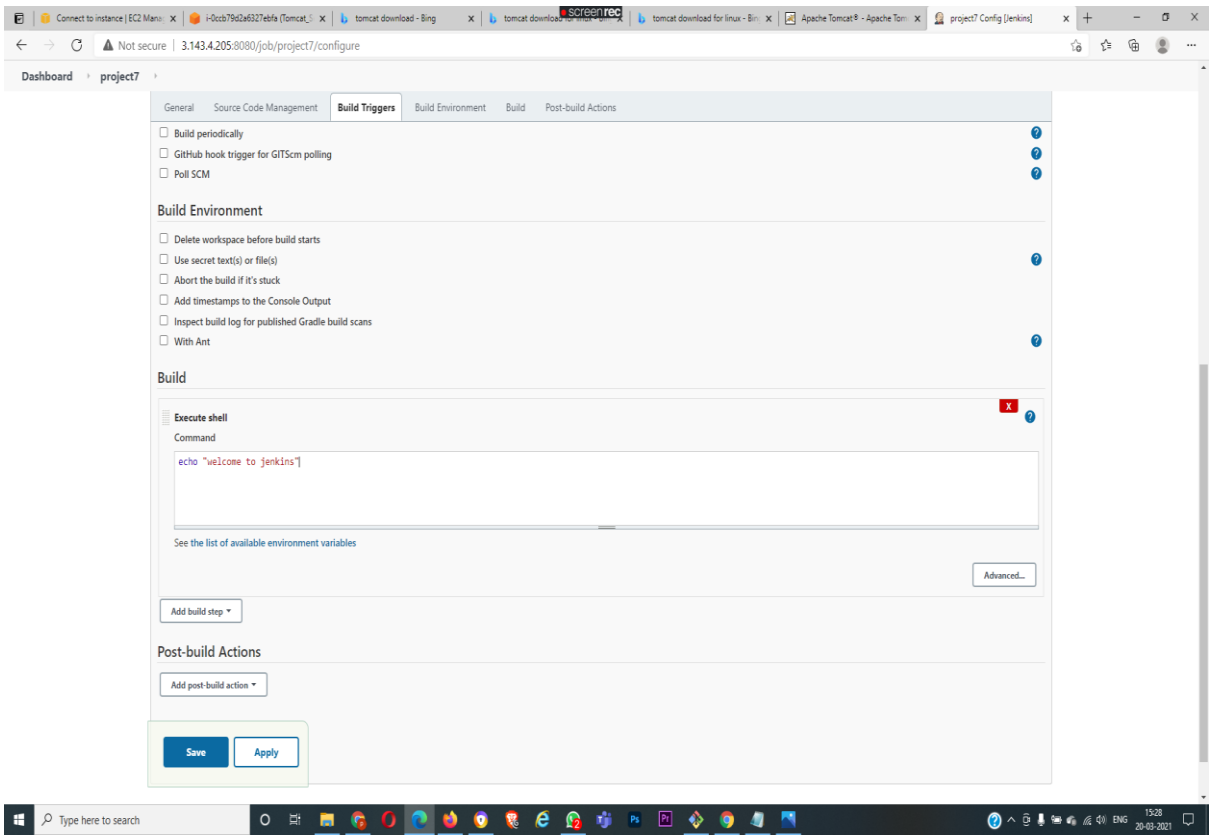

Not secure | 3.143.4.205:8080
Getting Started
Create First Admin User
Username:
Password:
Confirm password:
Full name:
E-mail address:
Jenkins 2.277.1
Skip and continue as admin
Save and Continue



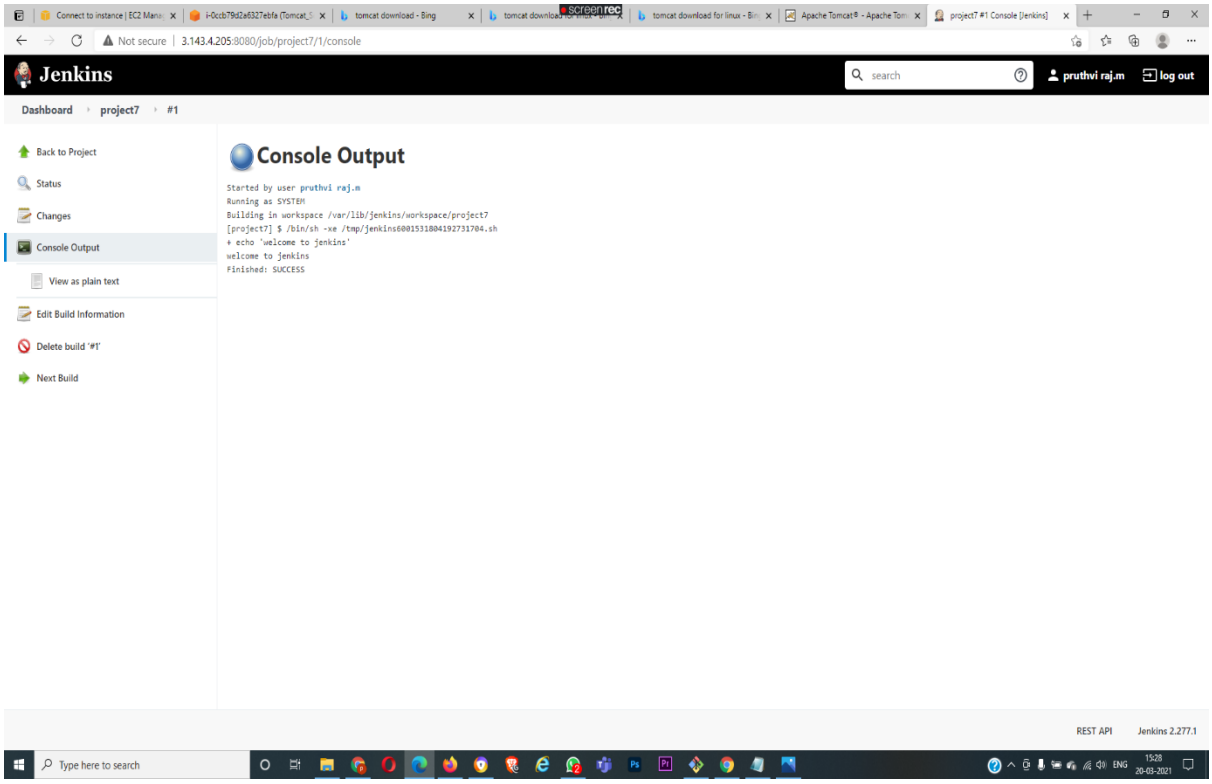
SIMPLE BUILD




Jenkins
search
pruthvi raj.m
log out
Dashboard
project7
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Description
project7 assignment
[Plain text] Preview
Discard old builds
GitHub project
This build requires lockable resources
This project is parameterized
Throttle builds
Disable this project
Execute concurrent builds if necessary
Advanced...
Source Code Management
None
Git
Build Triggers
Trigger builds remotely (e.g., from scripts)
Build after other projects are built
Build periodically
GitHub hook trigger for GITScm polling
Poll SCM
Build Environment
Save
Apply


Dashboard
project7
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build periodically
GitHub hook trigger for GITScm polling
Poll SCM
Build Environment
Delete workspace before build starts
Use secret text(s) or file(s)
Abort the build if it's stuck
Add timestamps to the Console Output
Inspect build log for published Gradle build scans
With Ant
Build
Execute shell
Command
echo "welcome to jenkins"
See the list of available environment variables
Advanced...
Add build step
Post-build Actions
Add post-build action
Save
Apply

OUTPUT OF THE BUILD



THANK YOU