AWS PROJECT 7

DEVOPS-JENKINS-INSTALLATION AND CONFIGURATION ON LINUX
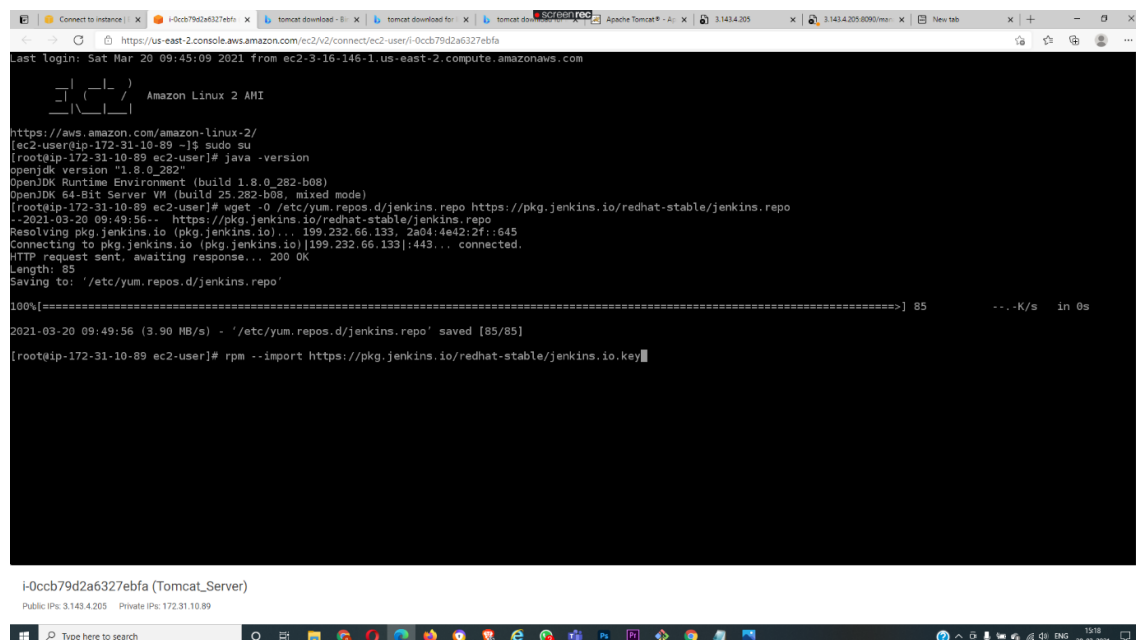
INSTALLING JENKINS IN LINUX

i-0ccb79d2a6327ebfa (Tomcat_Server)

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```
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

```
[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

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[root@ip-172-31-10-89 ec2-user]# rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key
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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]# service jenkins start
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i-0ccb79d2a6327ebfa (Tomcat_Server)

Public IPs: 3.143.4.205   Private IPs: 172.31.10.89

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Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                                                        | 3.7 kB  00:00:00
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jenkins/primary_db                                                                |  36 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

```
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                                                          | 3.7 kB  00:00:00
jenkins                                                                             | 2.9 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]# service jenkins status
```
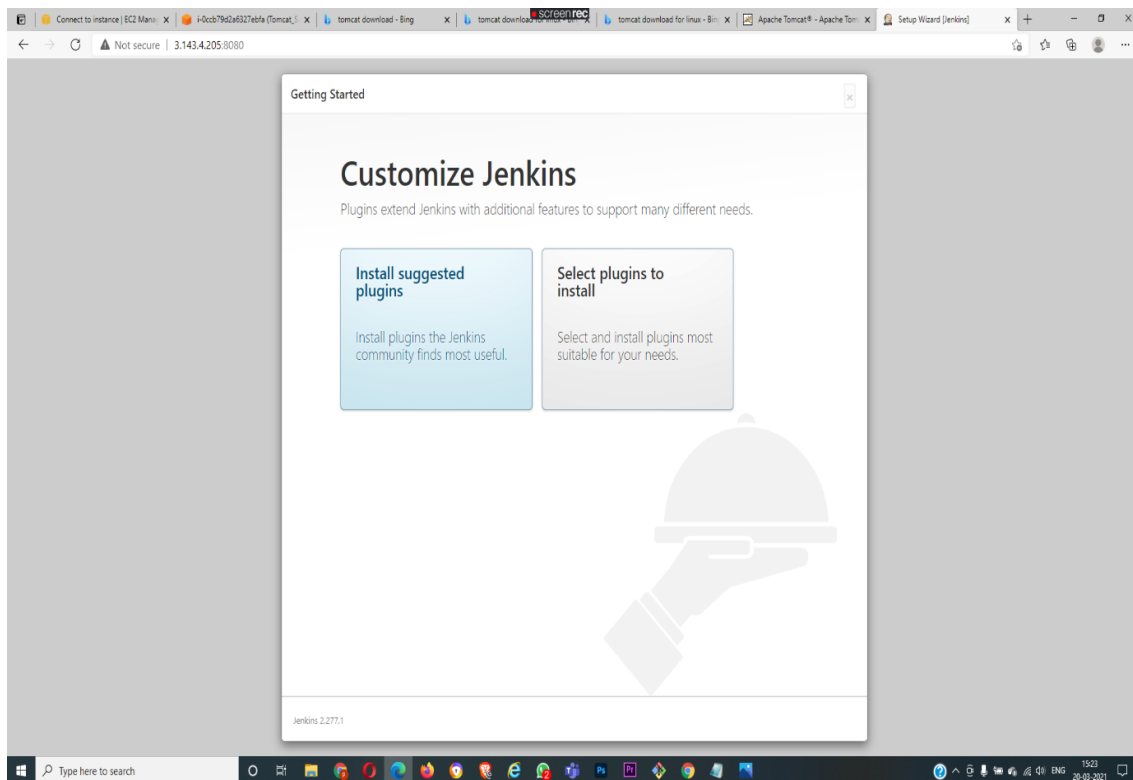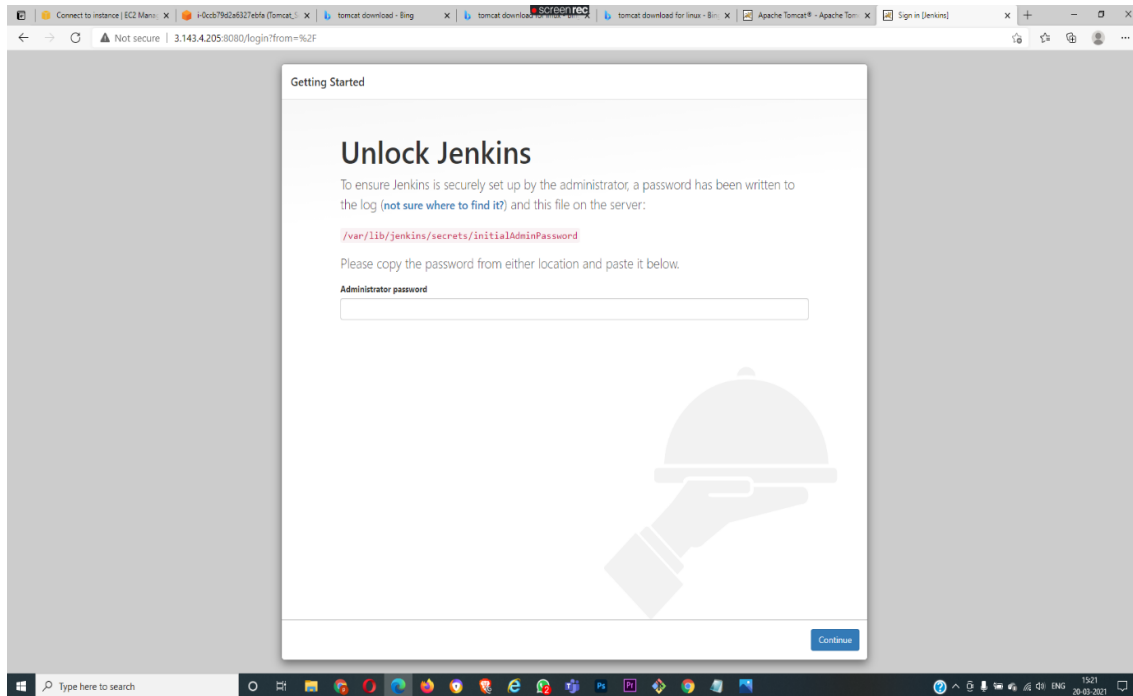
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  Verifying  : jenkins-2.277.1-1.1.noarch                                                               1/1

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]# service jenkins status
 jenkins.service - LSB: Jenkins Automation Server
   Loaded: loaded (/etc/rc.d/init.d/jenkins; bad; vendor preset: disabled)
   Active: active (running) since Sat 2021-03-20 09:52:21 UTC; 34s ago
     Docs: man:systemd-sysv-generator(8)
  Process: 5301 ExecStart=/etc/rc.d/init.d/jenkins start (code=exited, status=0/SUCCESS)
   CGroup: /system.slice/jenkins.service
           └─5320 /etc/alternatives/java -Dcom.sun.akuma.Daemon=daemonized -Djava.awt.headless=true -DJENKINS_HOME=/var/lib/jenkins -jar /usr/lib/jenkins/jenkins.war --lo...

Mar 20 09:52:20 ip-172-31-10-89.us-east-2.compute.internal systemd[1]: Starting LSB: Jenkins Automation Server...
Mar 20 09:52:20 ip-172-31-10-89.us-east-2.compute.internal runuser[5306]: pam_unix(runuser:session): session opened for user jenkins by (uid=0)
Mar 20 09:52:21 ip-172-31-10-89.us-east-2.compute.internal jenkins[5301]: Starting Jenkins [  OK  ]
Mar 20 09:52:21 ip-172-31-10-89.us-east-2.compute.internal systemd[1]: Started LSB: Jenkins Automation Server.
[root@ip-172-31-10-89 ec2-user]#
```
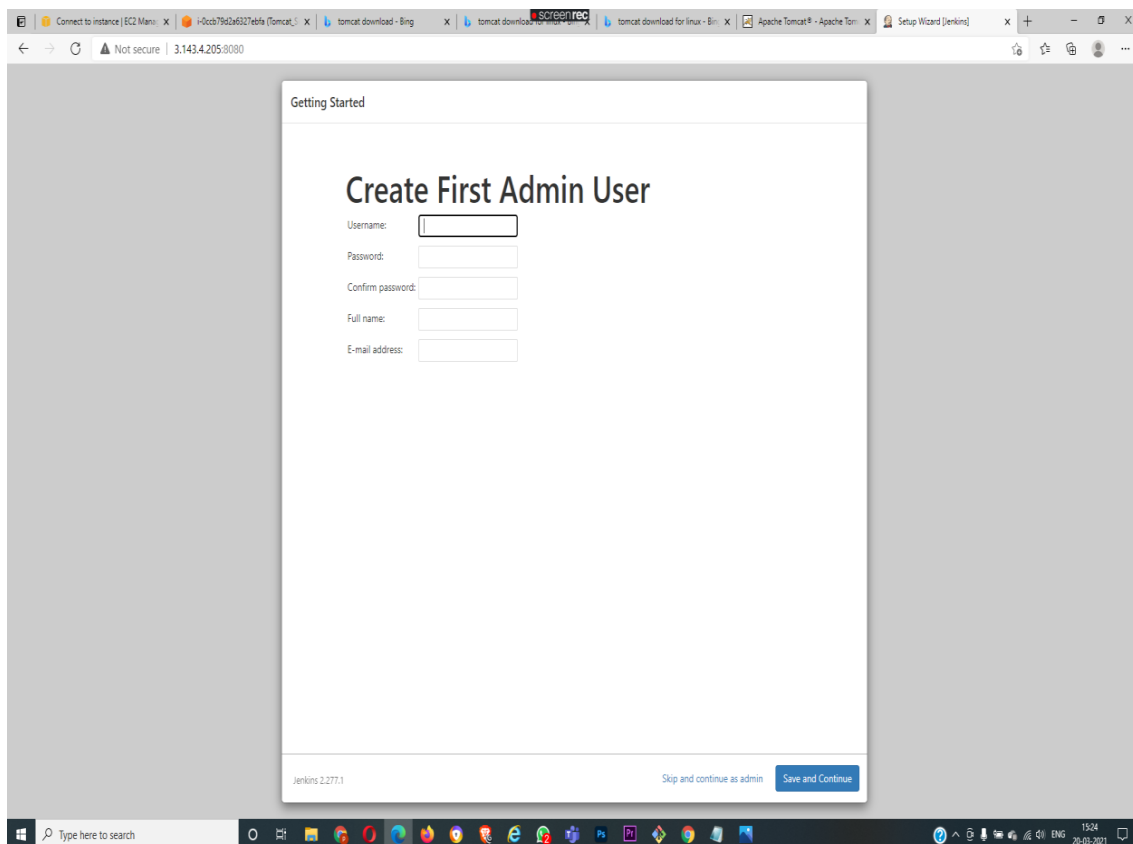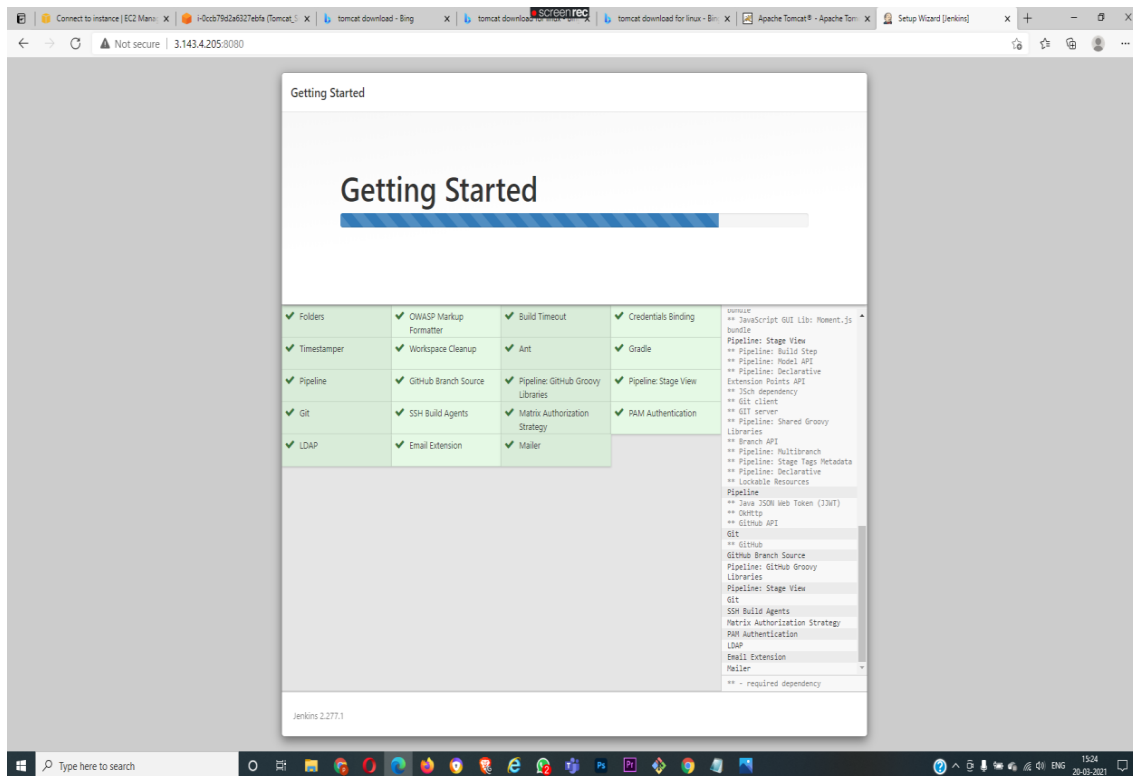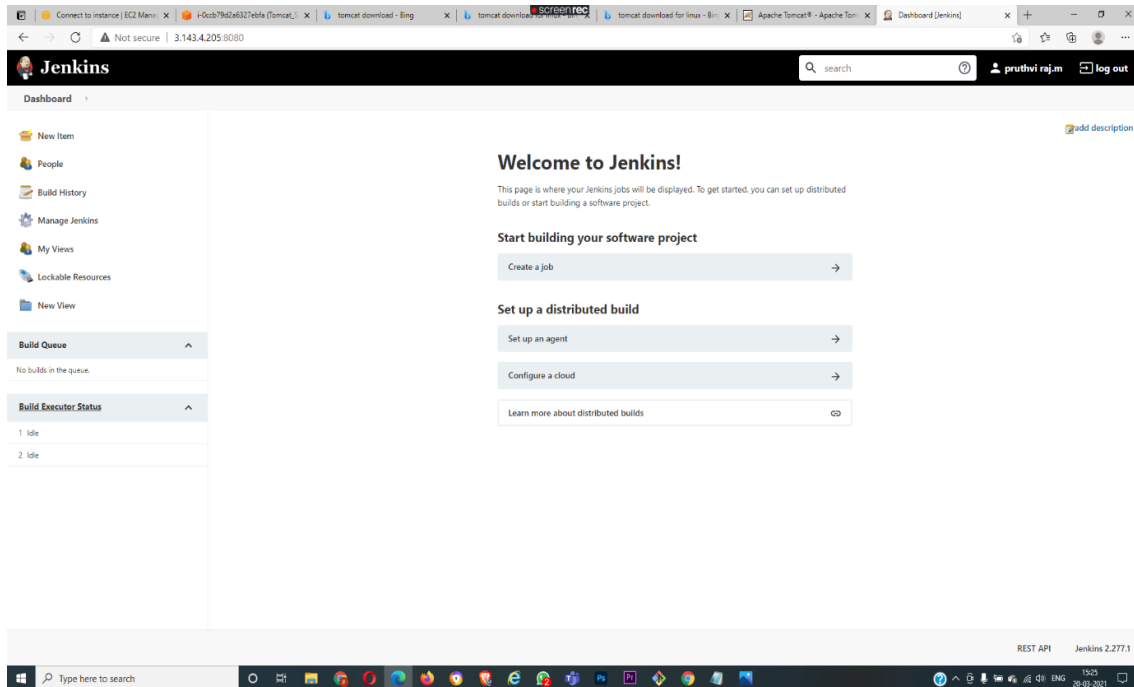
i-0ccb79d2a6327ebfa (Tomcat_Server)

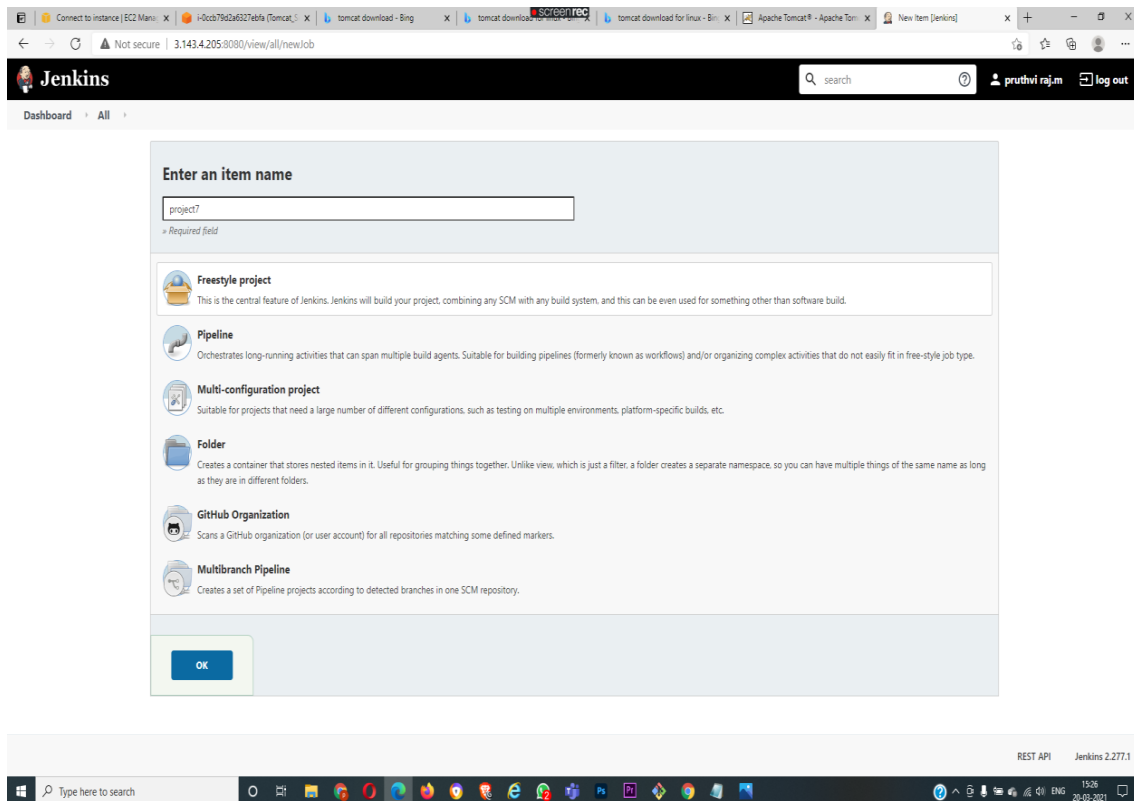Public IPs: 3.143.4.205   Private IPs: 172.31.10.89

JENKINS

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	

```
bundle
** JavaScript GUI Lib: Moment.js
bundle
Pipeline: Stage View
** Pipeline: Build Step
** Pipeline: Model API
** Pipeline: Declarative
Extension Points API
** JSch dependency
** Git client
** GIT server
** Pipeline: Shared Groovy
Libraries
** Branch API
** Pipeline: Multibranch
** Pipeline: Stage Tags Metadata
** Pipeline: Declarative
** Lockable Resources
Pipeline
** Java JSON Web Token (JJWT)
** OkHttp
** GitHub API
Git
** GitHub
GitHub Branch Source
Pipeline: GitHub Groovy
Libraries
Pipeline: Stage View
Git
SSH Build Agents
Matrix Authorization Strategy
PAM Authentication
LDAP
Email Extension
Mailer
** - required dependency
```

Jenkins 2.277.1

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

OUTPUT OF THE BUILD

THANK YOU