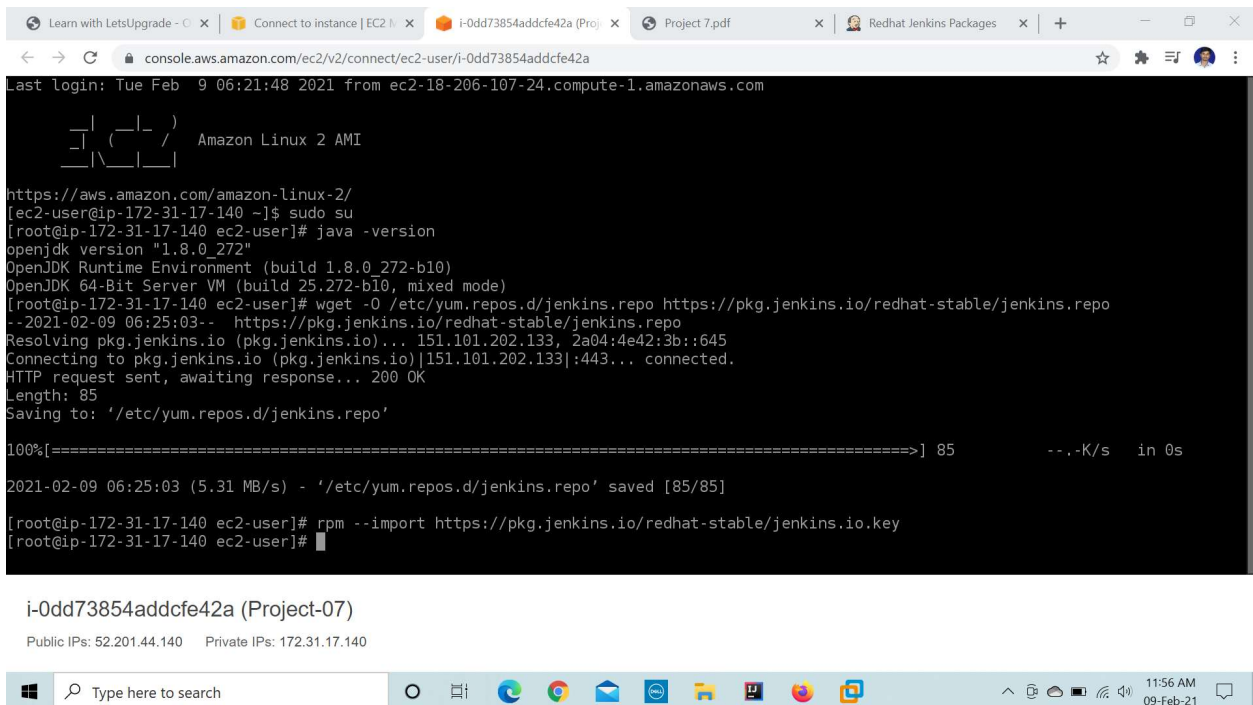


Project 7 | Advance AWS

Project Name: Project-DevOps-Jenkins-Installation and Configuration on Linux

Link: <https://pkg.jenkins.io/redhat-stable>

- Install java
 - cmd: yum install java-1.8*
- sudo wget -O /etc/yum.repos.d/jenkins.repo <https://pkg.jenkins.io/redhat-stable/jenkins.repo>
- sudo rpm --import <https://pkg.jenkins.io/redhat-stable/jenkins.io.key>



```
Learn with LetsUpgrade - x | Connect to instance | EC2 | x | i-0dd73854addcfe42a (Proj) x | Project 7.pdf x | Redhat Jenkins Packages x | + | - | x |
console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0dd73854addcfe42a
Last login: Tue Feb 9 06:21:48 2021 from ec2-18-206-107-24.compute-1.amazonaws.com

 _ _ _ _ _
| | | | |
|_|_|_|_|_

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-17-140 ~]$ sudo su
[root@ip-172-31-17-140 ec2-user]# java -version
openjdk version "1.8.0_272"
OpenJDK Runtime Environment (build 1.8.0_272-b10)
OpenJDK 64-Bit Server VM (build 25.272-b10, mixed mode)
[root@ip-172-31-17-140 ec2-user]# wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo
--2021-02-09 06:25:03-- https://pkg.jenkins.io/redhat-stable/jenkins.repo
Resolving pkg.jenkins.io (pkg.jenkins.io)... 151.101.202.133, 2a04:4e42:3b::645
Connecting to pkg.jenkins.io (pkg.jenkins.io)|151.101.202.133|: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

2021-02-09 06:25:03 (5.31 MB/s) - '/etc/yum.repos.d/jenkins.repo' saved [85/85]

[root@ip-172-31-17-140 ec2-user]# rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key
[root@ip-172-31-17-140 ec2-user]#
```

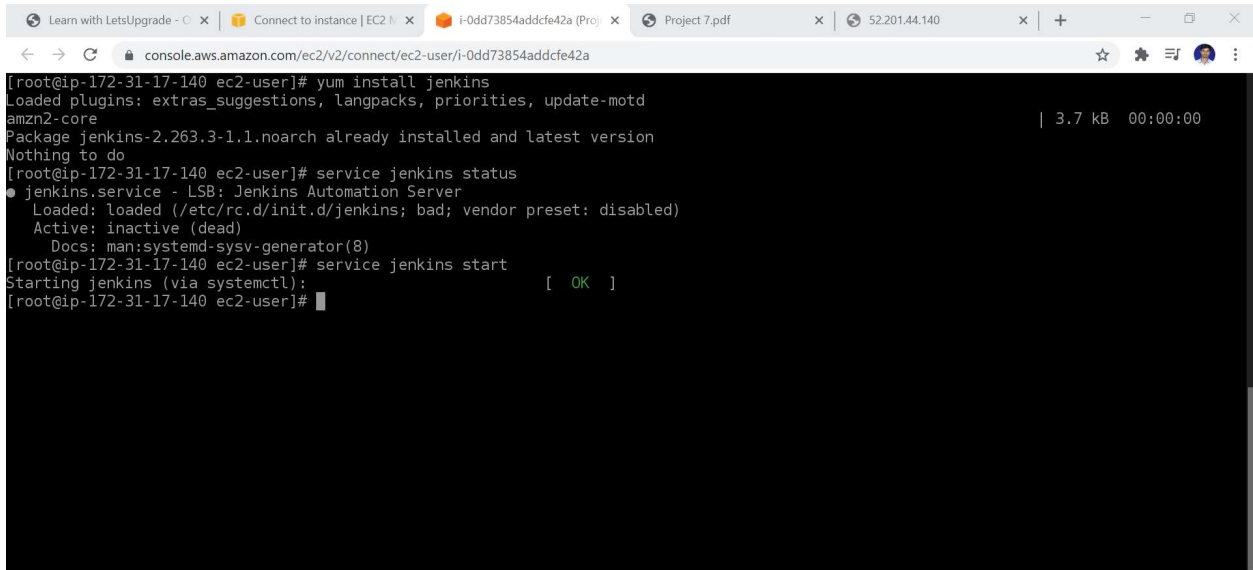
i-0dd73854addcfe42a (Project-07)

Public IPs: 52.201.44.140 Private IPs: 172.31.17.140

Type here to search

11:56 AM 09-Feb-21

- yum install jenkins

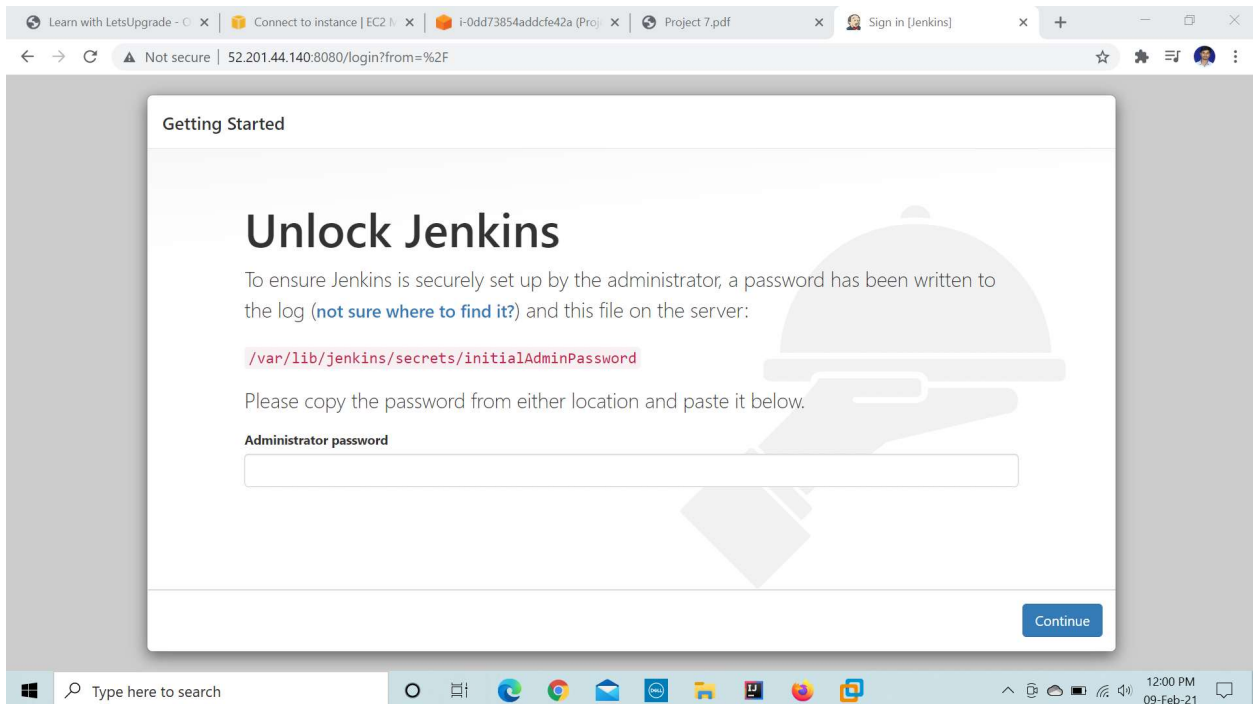


The screenshot shows the AWS Management Console interface with a terminal window open. The terminal displays the following commands and output:

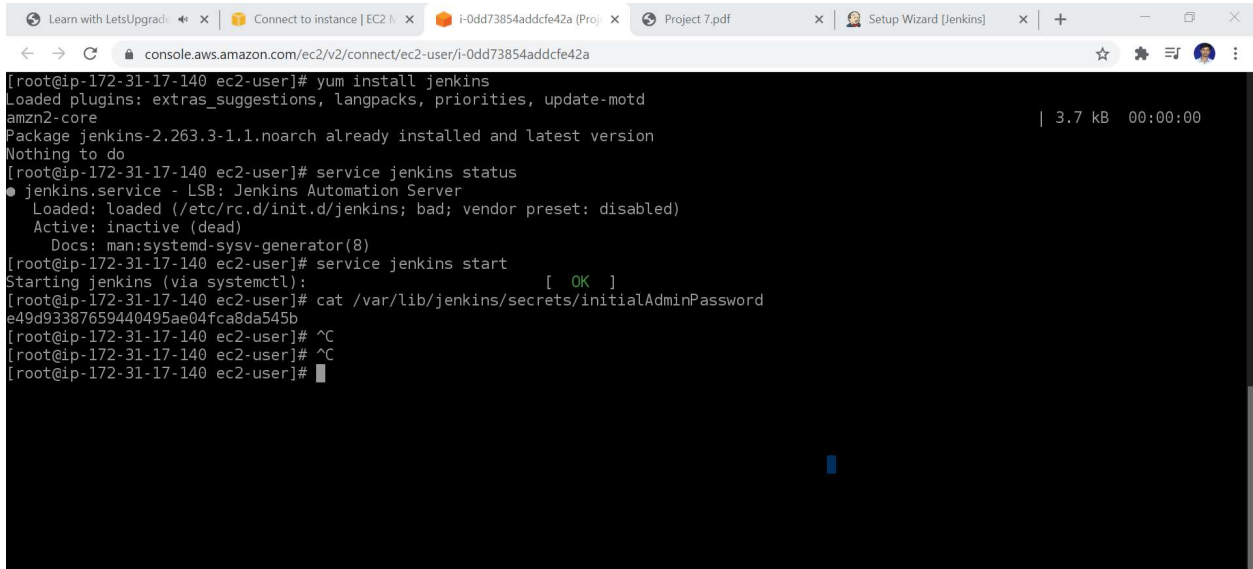
```
[root@ip-172-31-17-140 ec2-user]# yum install jenkins
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                               | 3.7 kB  00:00:00
Package jenkins-2.263.3-1.1.noarch already installed and latest version
Nothing to do
[root@ip-172-31-17-140 ec2-user]# service jenkins status
jenkins.service - LSB: Jenkins Automation Server
   Loaded: loaded (/etc/rc.d/init.d/jenkins; bad; vendor preset: disabled)
   Active: inactive (dead)
     Docs: man:systemd-sysv-generator(8)
[root@ip-172-31-17-140 ec2-user]# service jenkins start
Starting jenkins (via systemctl): [ OK ]
[root@ip-172-31-17-140 ec2-user]#
```

i-0dd73854addcfe42a (Project-07)

Public IPs: 52.201.44.140 Private IPs: 172.31.17.140



- extract the password from the location

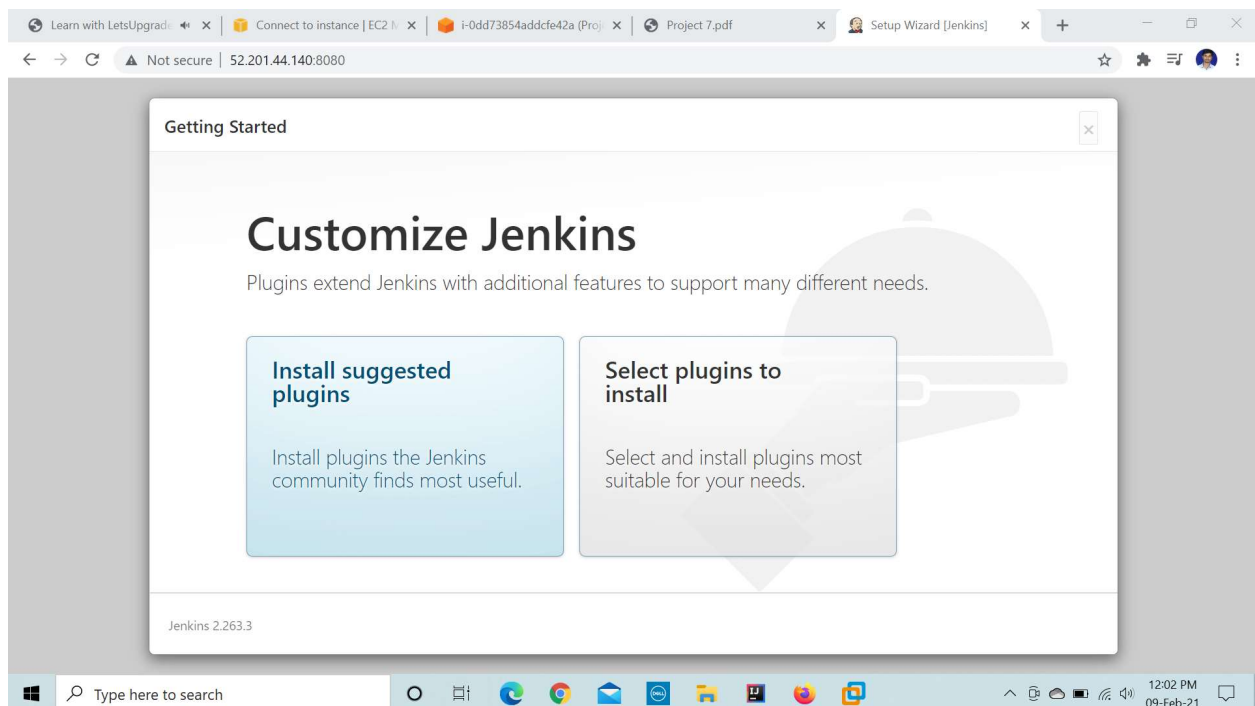


```
[root@ip-172-31-17-140 ec2-user]# yum install jenkins
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                               | 3.7 kB  00:00:00
Package jenkins-2.263.3-1.1.noarch already installed and latest version
Nothing to do
[root@ip-172-31-17-140 ec2-user]# service jenkins status
jenkins.service - LSB: Jenkins Automation Server
Loaded: loaded (/etc/rc.d/init.d/jenkins; bad; vendor preset: disabled)
Active: inactive (dead)
Docs: man:systemd-sysv-generator(8)
[root@ip-172-31-17-140 ec2-user]# service jenkins start
Starting jenkins (via systemctl): [ OK ]
[root@ip-172-31-17-140 ec2-user]# cat /var/lib/jenkins/secrets/initialAdminPassword
e49d93387659440495ae04fca8da545b
[root@ip-172-31-17-140 ec2-user]# ^C
[root@ip-172-31-17-140 ec2-user]# ^C
[root@ip-172-31-17-140 ec2-user]#
```

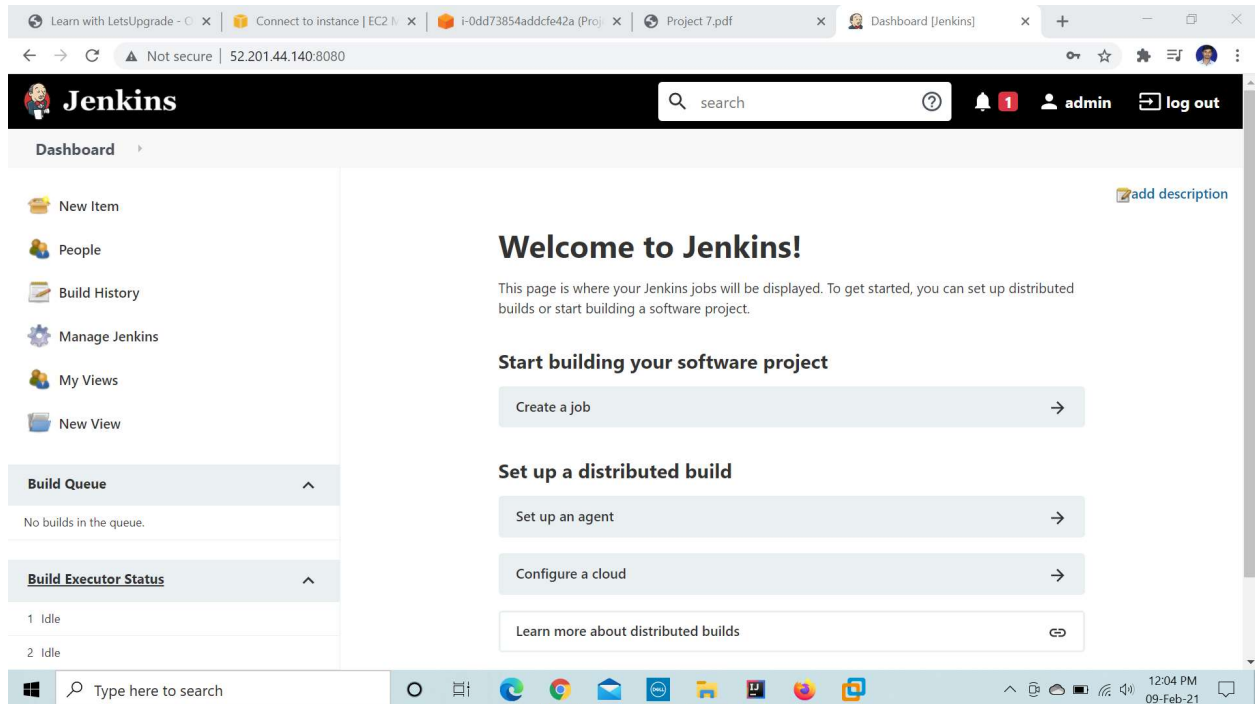
i-0dd73854addcfe42a (Project-07)

Public IPs: 52.201.44.140 Private IPs: 172.31.17.140

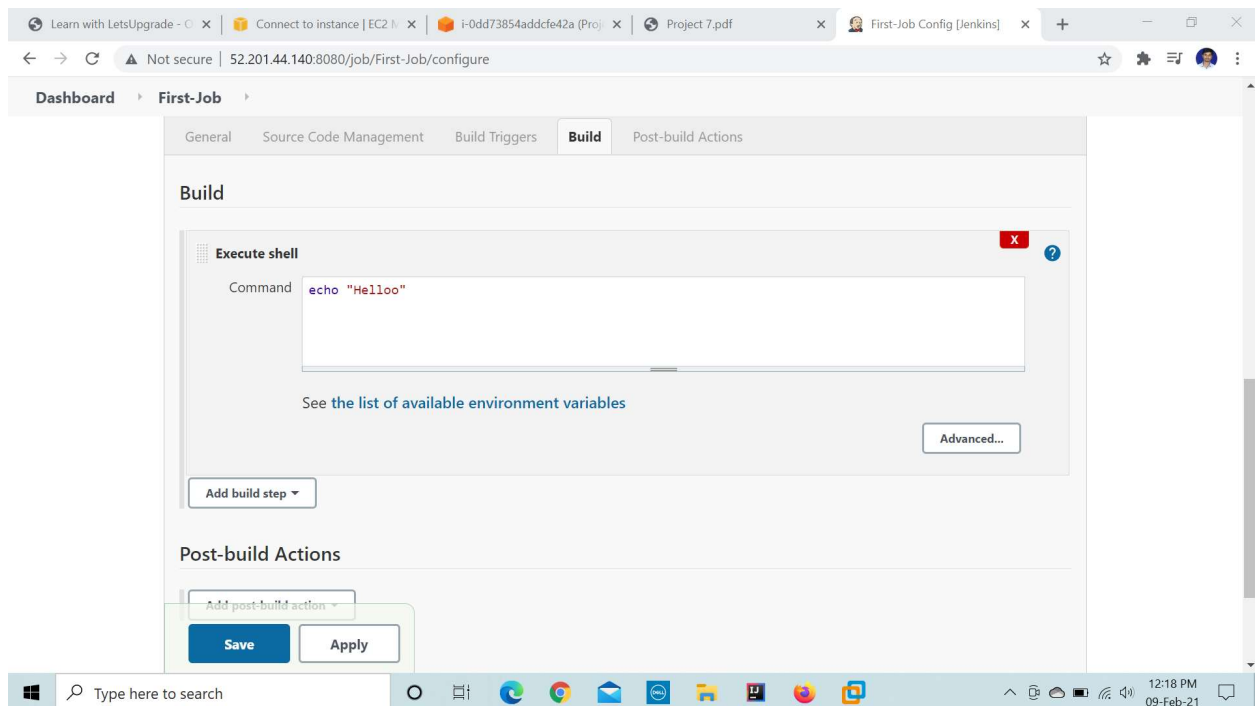
- skip installing plugins



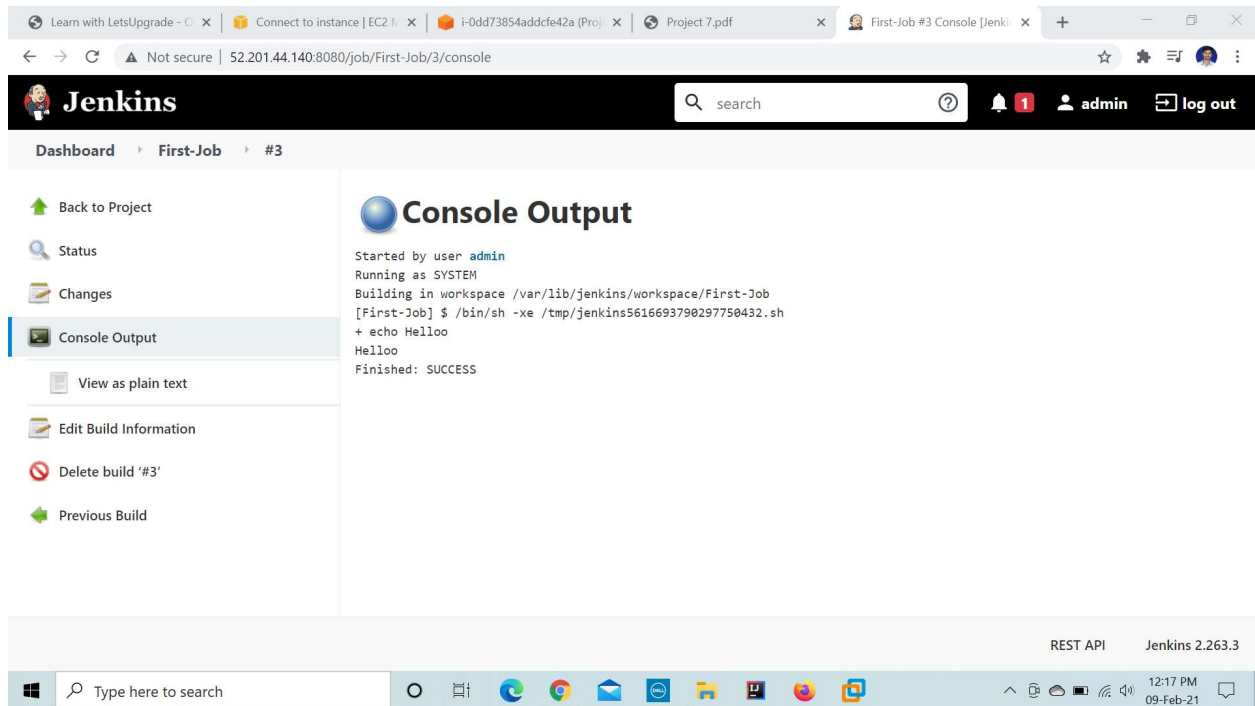
- Start using jenkins



- Change the admin password
- Create a new job
- Build step:execte shell



- echo "hello"
- build the job



Learn with LetsUpgrade - C x | Connect to instance | EC2 I x | i-0dd73854addcf42a [Proj] x | Project 7.pdf x | First-Job #3 Console [Jenki] x

Not secure | 52.201.44.140:8080/job/First-Job/3/console

Jenkins

search

admin log out

Dashboard > First-Job > #3

Back to Project

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#3'

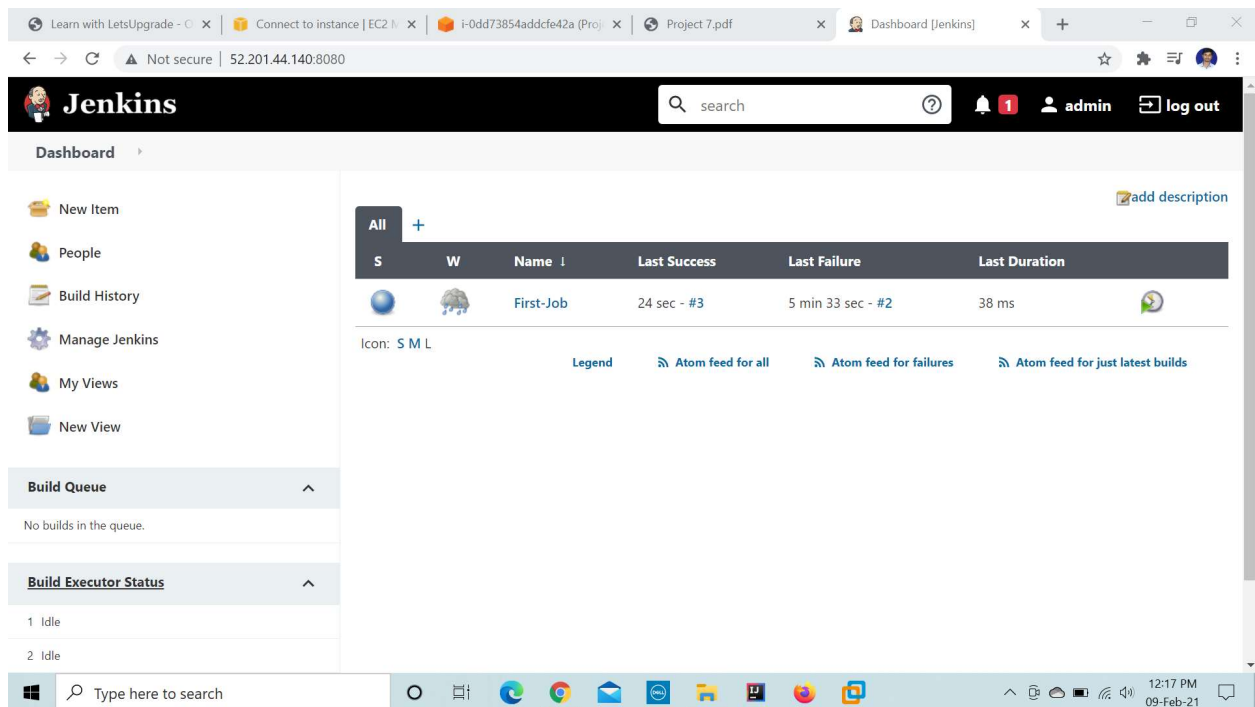
Previous Build

Console Output

Started by user [admin](#)
 Running as SYSTEM
 Building in workspace /var/lib/jenkins/workspace/First-Job
 [First-Job] \$ /bin/sh -xe /tmp/jenkins5616693790297750432.sh
 + echo Hello
 Hello
 Finished: SUCCESS

REST API Jenkins 2.263.3

Type here to search



Learn with LetsUpgrade - C x | Connect to instance | EC2 I x | i-0dd73854addcf42a [Proj] x | Project 7.pdf x | Dashboard [Jenkins] x

Not secure | 52.201.44.140:8080

Jenkins

search

admin log out

Dashboard >

New Item

People

Build History

Manage Jenkins

My Views

New View

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

add description

S	W	Name	Last Success	Last Failure	Last Duration
		First-Job	24 sec - #3	5 min 33 sec - #2	38 ms

Icon: S M L

Legend

Atom feed for all

Atom feed for failures

Atom feed for just latest builds

Type here to search