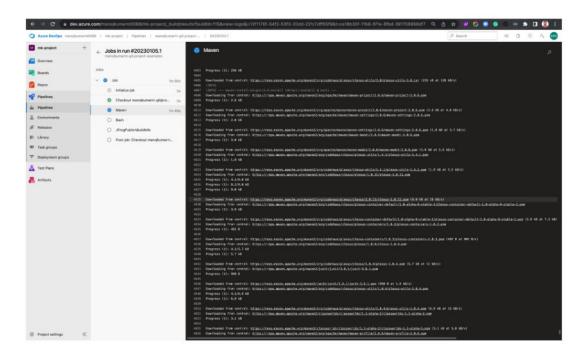
#### **OUTPUT**

## EX NO:1 Create Maven Build Pipeline in Azure



## EXP 2: Run Regression Tests using Maven Build Pipeline in Azure

EXP 3: Install Jenkins in Cloud

## EXP 4: Create a CI Pipeline Using Jenkins

```
penkinsuser@Jenkinsdemo123: $ sudo apt install default-jdk

Reading package lists... Done

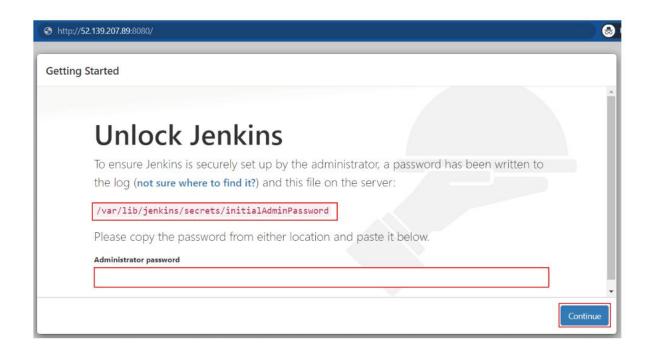
Building dependency tree

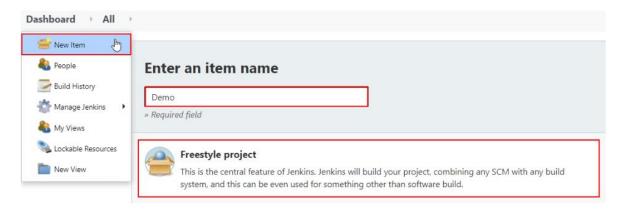
Reading state information... Done

default-jdk is already the newest version (2:1.11-72).

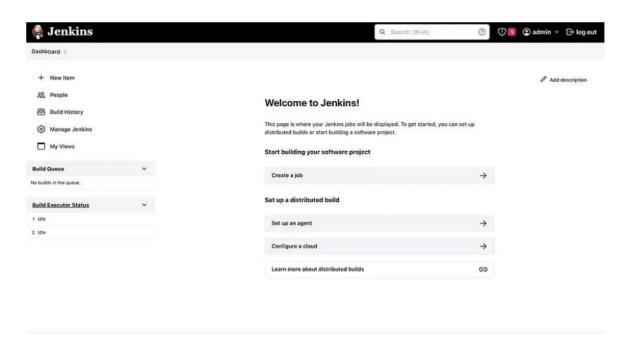
0 upgraded, 0 newly installed, 0 to remove and 11 not upgraded.
jenkinsuser@Jenkinsdemo123: $ wget -q -0 - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -

OK
jenkinsuser@Jenkinsdemo123: $ sudo apt-get update
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease
Reading package lists... Done
jenkinsuser@Jenkinsdemo123: $ sudo apt-get install jenkins
```





EXP 5: CI/CD Pipeline with Jenkins and Cloud Deployment



## EXP 6: Ansible Playbook for Simple Web Application Infrastructure

```
ubuntu@ip-172-31-4-36:~/playbooks$ ansible-playbook nginx_install.yml
TASK [Gathering Facts] ******************
MASK [Start Nginx] ******
ASK [Deploy website]
LAY RECAP ****
                                 unreachable=0
unreachable=0
unreachable=0
                                                    skipped=0
skipped=0
← → C ▲ Not secure | 3.111.41.48
                                                                        ☆ * □ (4) :
By Vishal
Task of the Day
Pages (HTML)
Style Sheets (CSS)
Live Data (Files and Databases)
← → C A Not secure | 65.0.122.202
                                                                        e a * 1 (1) :
By Vishal
Task of the Day
Pages (HTML)
Style Sheets (CSS)
Computer Code (JavaScript)
Live Data (Files and Databases)
```

# EXP 7: Build a Simple Application using Gradle

```
C:\Users\HiMaNshU\Java_application>gradlew run

> Task :run
Hello world.

BUILD SUCCESSFUL in 3s
2 actionable tasks: 1 executed, 1 up-to-date
C:\Users\HiMaNshU\Java_application>
```

## EXP 8: Ansible Installation, Roles, and Playbooks

```
didier@lab:~/ms:Mils ansible-playbook -i inventory.yaml dynamic_motd_playbook.yml

PLAY [Configure Dynamic motd]

TASK [GatherIng Facts]

TASK [dynamic_motd : Copy dynamic motd template]

TASK [dynamic_motd : Copy dynamic motd template]

PLAY RCAP

Server1 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```

```
didier@lab: $ ssh didier@server1
Linux blackhawk 6.1.0-11-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.38-4 (2023-08-08) x86_64
Welcome to blackhawk!

System information:
05: Debian 12
Hostname: blackhawk
IP Address: 192.168.100.57

Last login: Tue Oct 3 00:15:19 2023 from 192.168.100.28
```