# **JENKINS MODULE**

**Submitted by: Adesh Arun Adhav** 

Submitted to: Mr. Vikul sir

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L1: Create Jenkins Master-Slave Configurations and Create a workspace in Jenkins Slave Node using Jenkins Free-style project

#### **STEP 1: LAUNCH AN EC2 INSTANCE**

- Configuration of instance
  - 1. T3 medium
  - 2. Port no. 8080
  - 3. All traffic
- Launch second ec2 instance for node
- Same configuration

#### STEP 2: INSTALL JENKINS

INSTALL JENKINS IN FIRST EC2 INSTANCE

```
[#!/bin/bash
sudo apt update -y
sudo apt install openjdk-17-jdk -y
sudo apt update -y
sudo apt install maven -y
  curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-
  2023.key | sudo tee \
/usr/share/keyrings/jenkins-keyring.asc > /dev/null
echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
sudo apt update -y
sudo apt install jenkins -y
service jenkins start
cat /var/lib/jenkins/secrets/initialAdminPassword
#chmod 777 jenkins.sh
#./jenkins.sh]
```

Copy the above command and Jenkins get installed

#### **STEP 3: CREATE THE NODE**

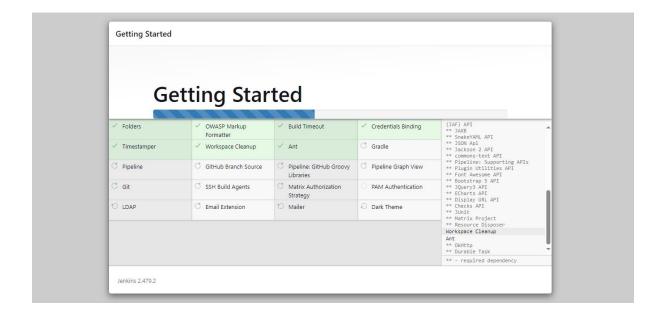
## STEP 4: CONNECT THE NODE TO THE MASTER

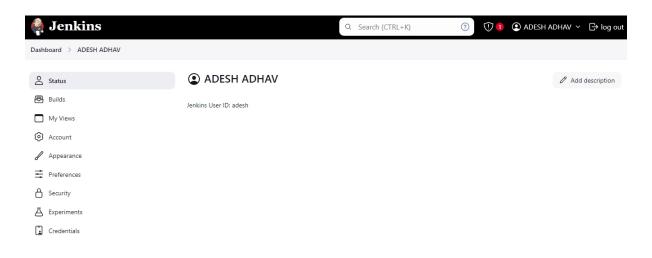
 After node creation copy the url of node to the node machine then u will get connect to the master machine.

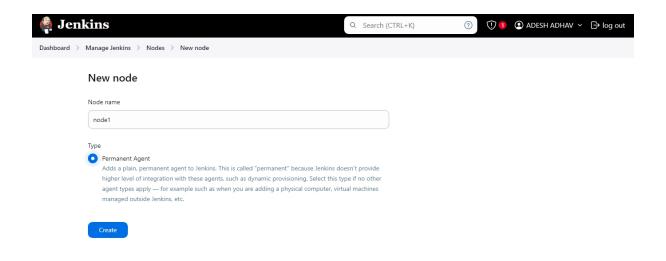
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## **STEP 5: MAKE WORKSPACE**

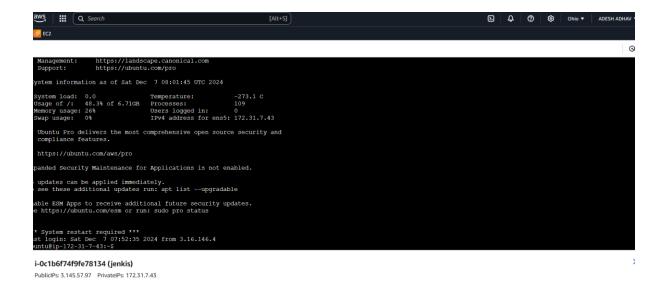
• After making connection, workspace will apper on the node also

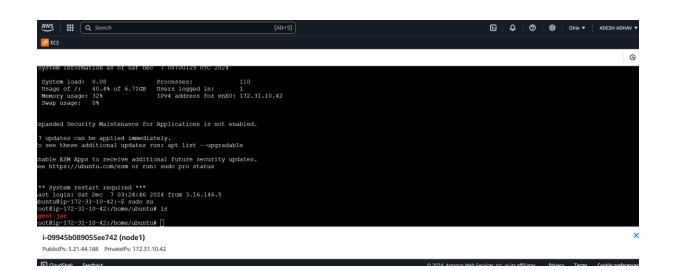


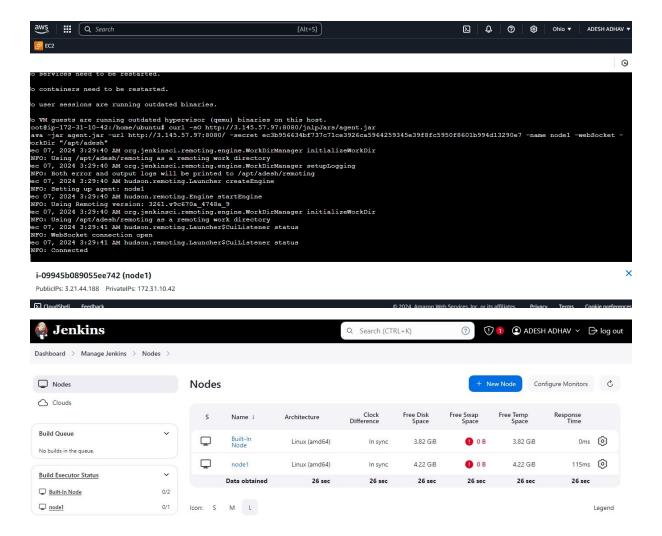


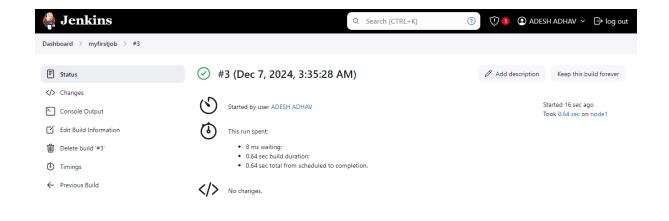


REST API Jenkins 2.479.2









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