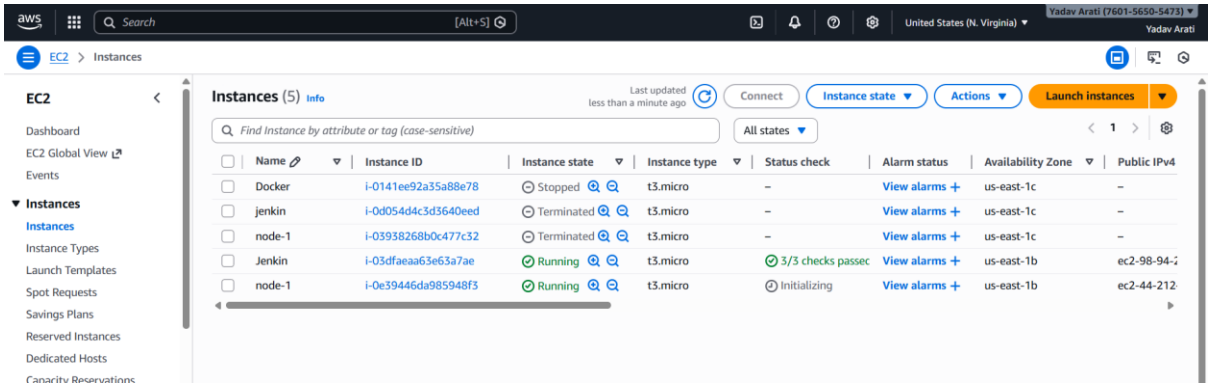
Master Slave Node

Create EC2 instance named as jenkin



Note: Make sure your security group is open for port 8080

Install java on both instance

sudo apt update

sudo apt install fontconfig openjdk-21-jre

java -version

Install jenkin on instance

sudo wget -O /etc/apt/keyrings/jenkins-keyring.asc \

  https://pkg.jenkins.io/debian-stable/jenkins.io-2026.key

echo "deb [signed-by=/etc/apt/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

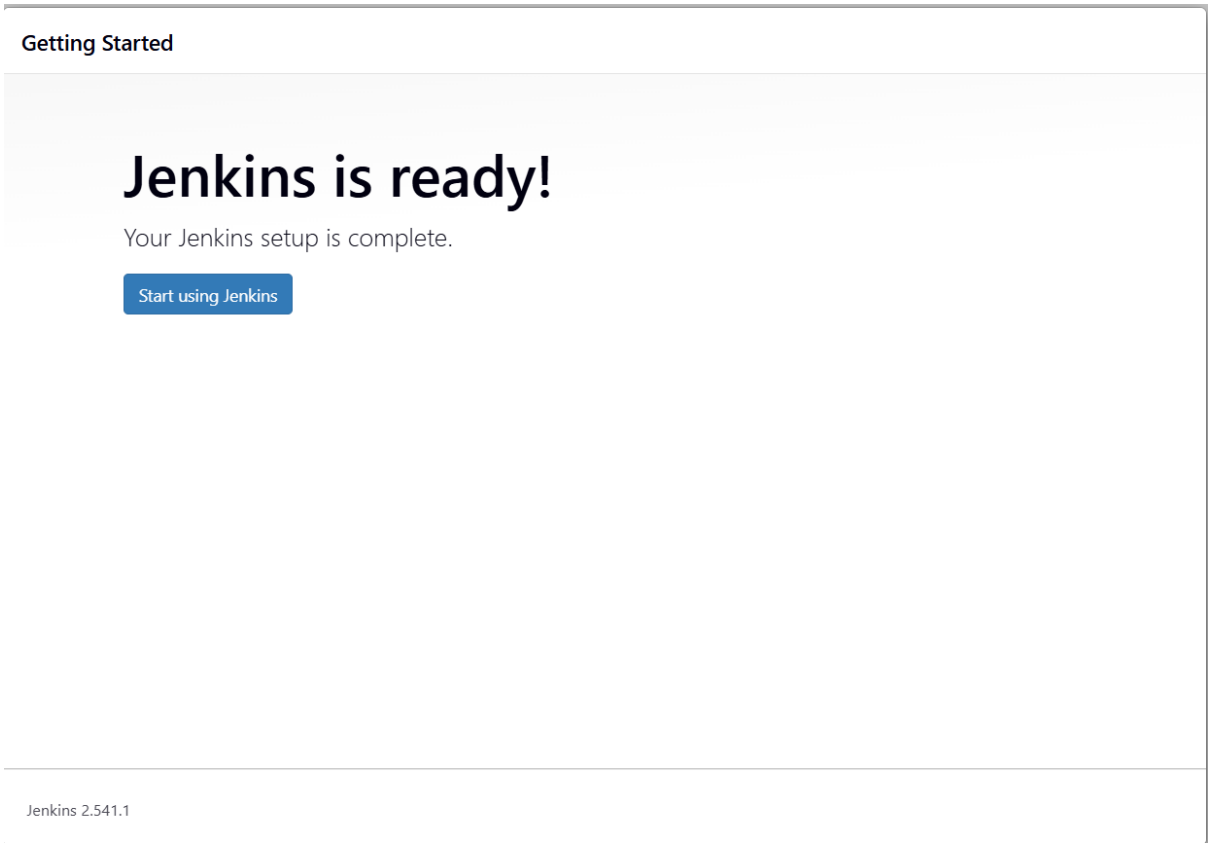
sudo apt install Jenkins

change host name

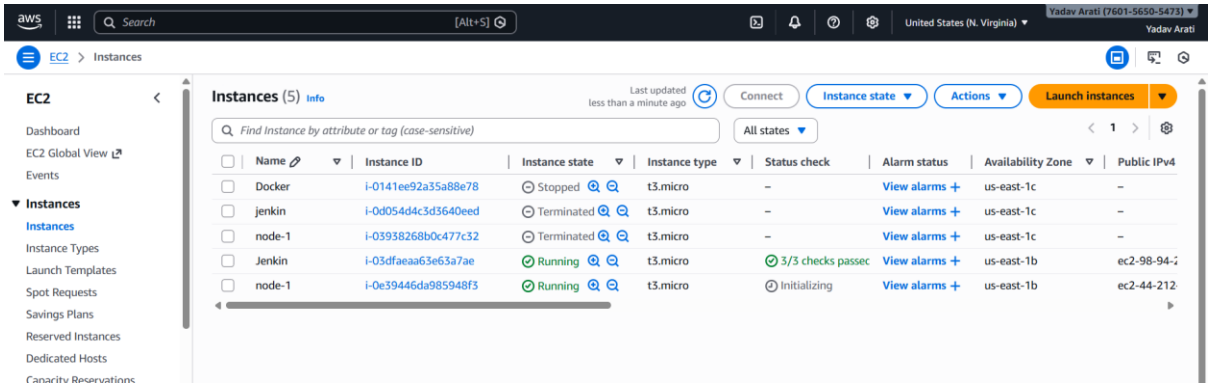
sudo hostnamectl set-hostname masternode-1

```
ubuntu@ip-172-31-89-24:~$ sudo hostnamectl set-hostname masternode-1
ubuntu@ip-172-31-89-24:~$ bash
ubuntu@masternode-1:~$
```

Install jenkin



Create EC2 instance named as node-1



Note: Make sure your security group is open for port 8080

Install java on node-1 instance

sudo apt update

sudo apt install fontconfig openjdk-21-jre

java -version

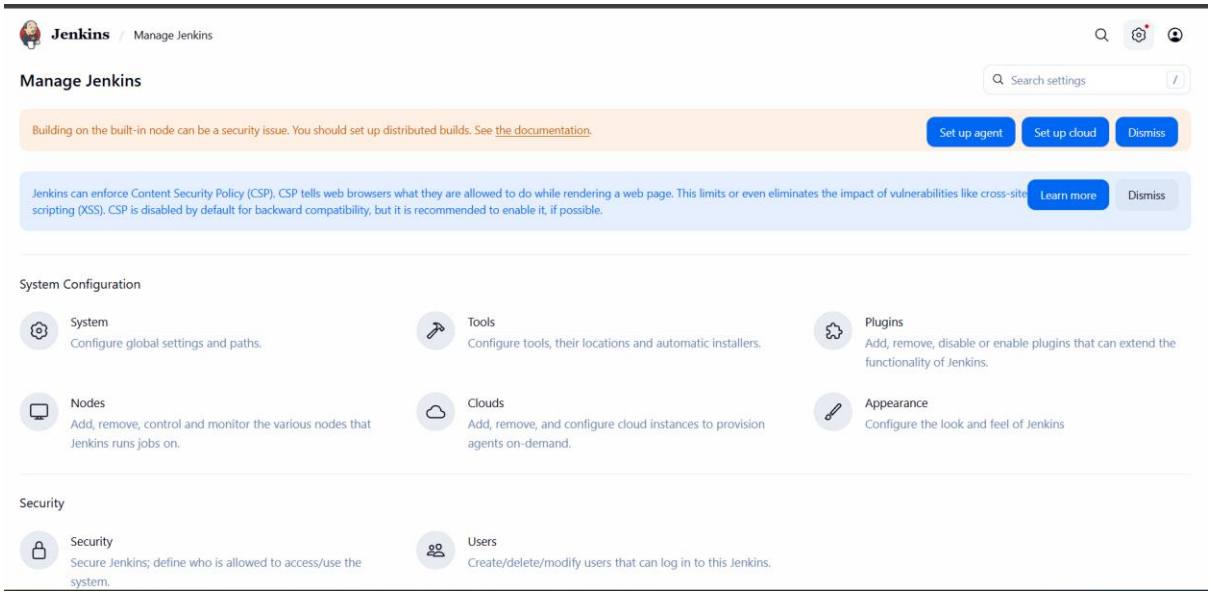
change hostename as a node-1

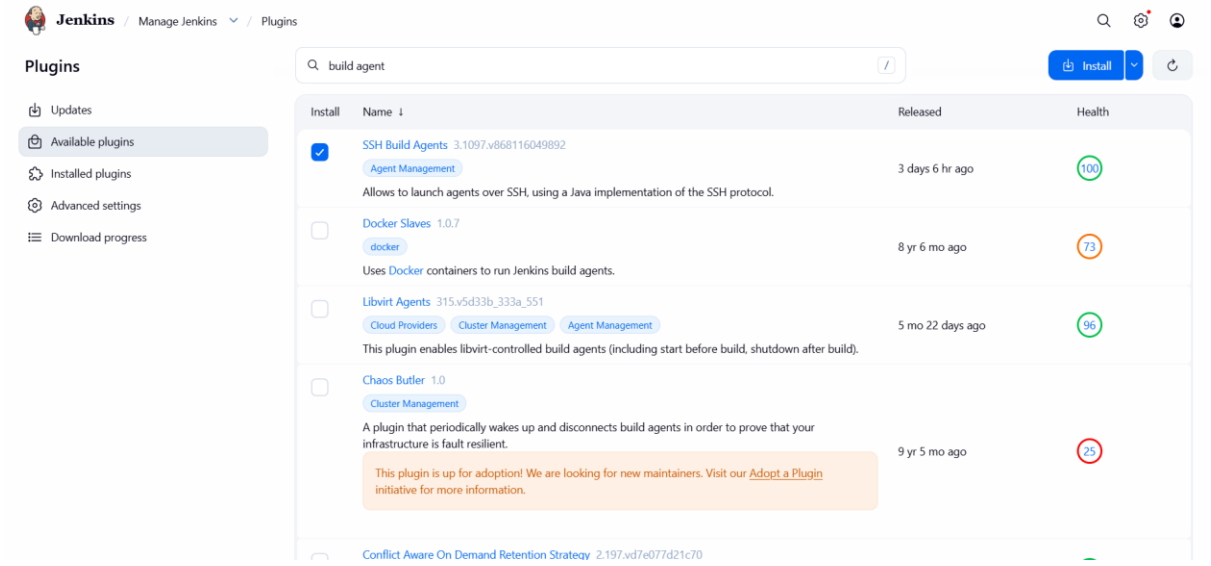
sudo hostnaamectl set-hostname node-1

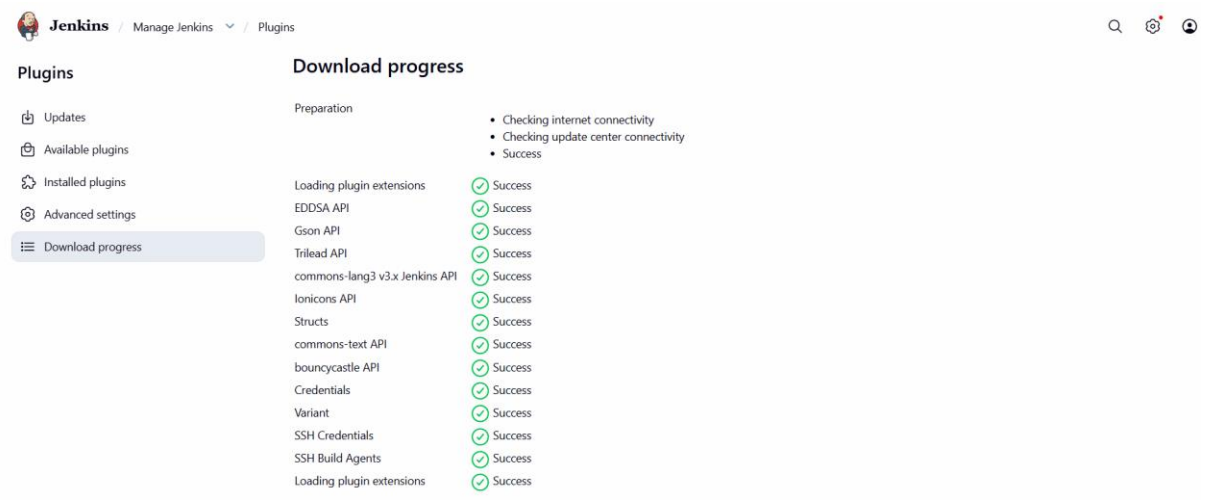
bash

```
ubuntu@ip-172-31-80-23:~$ sudo hostnamectl set-hostname node-1
ubuntu@ip-172-31-80-23:~$ bash
```

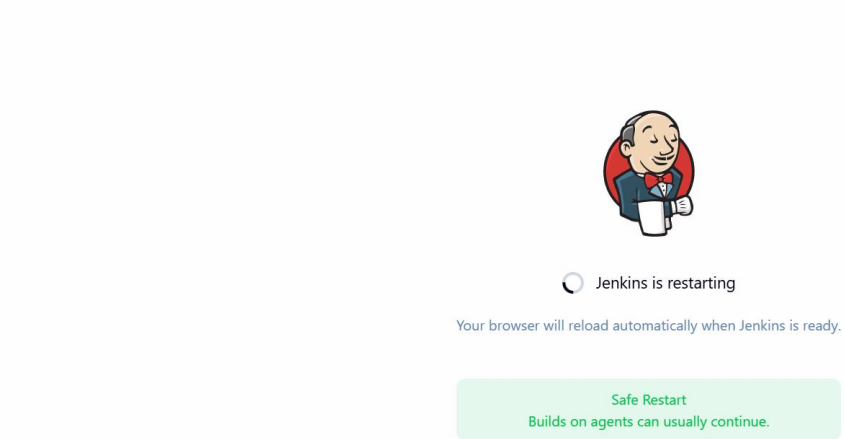
Setting – Nodes – Available plugins – build agent - install



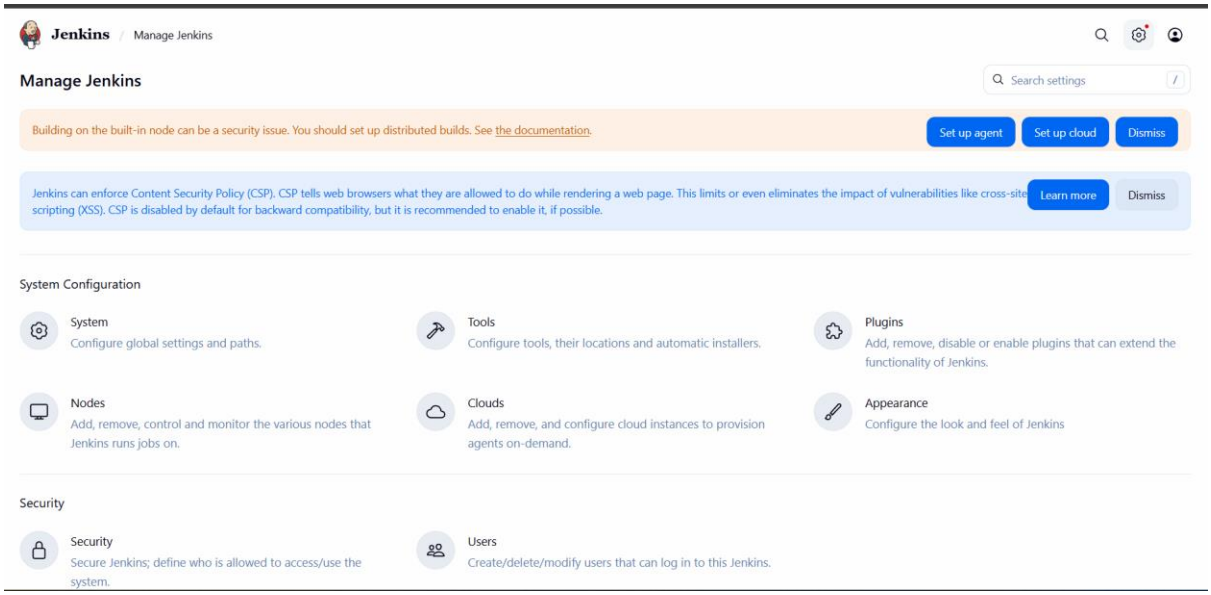




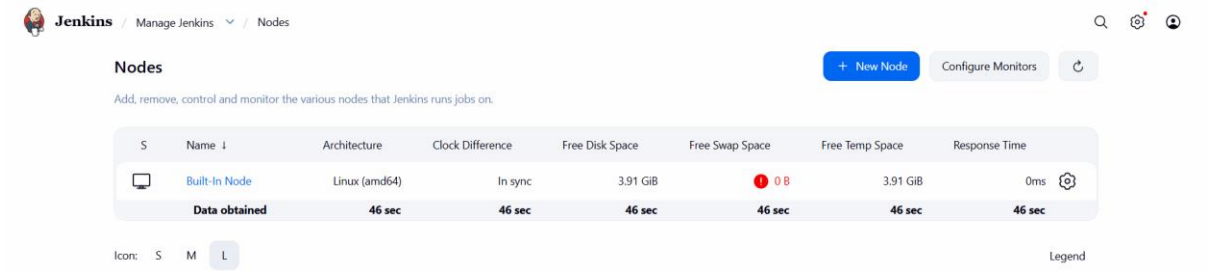
Restart jenkins



Setting – Nodes



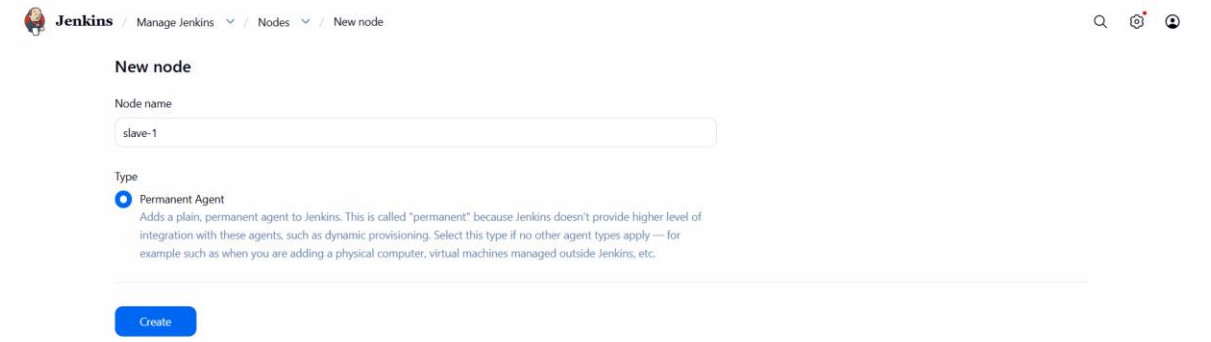
Create new node named as slave-1



Node name: slave-1

Select: ✅ Permanent Agent

Click: Create



Name: slave-1

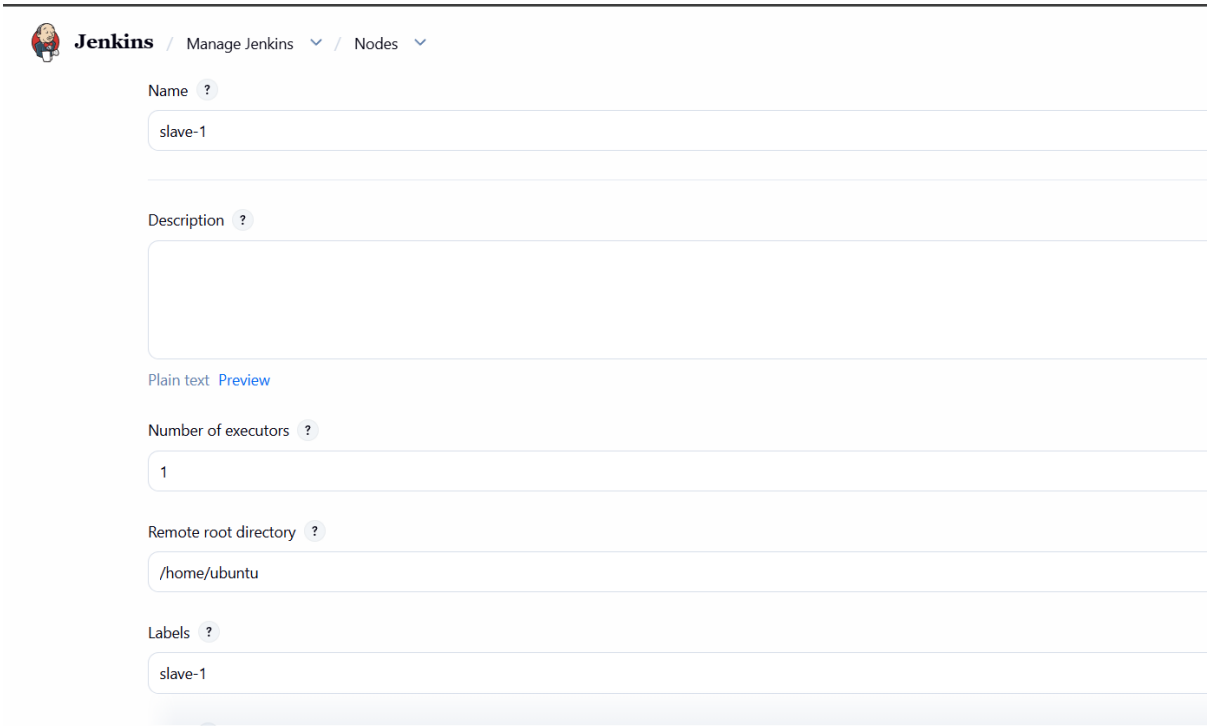
Number of executors: 1

Remote root directory: /home/ubuntu

Labels:

slave-1

Scroll down 👇

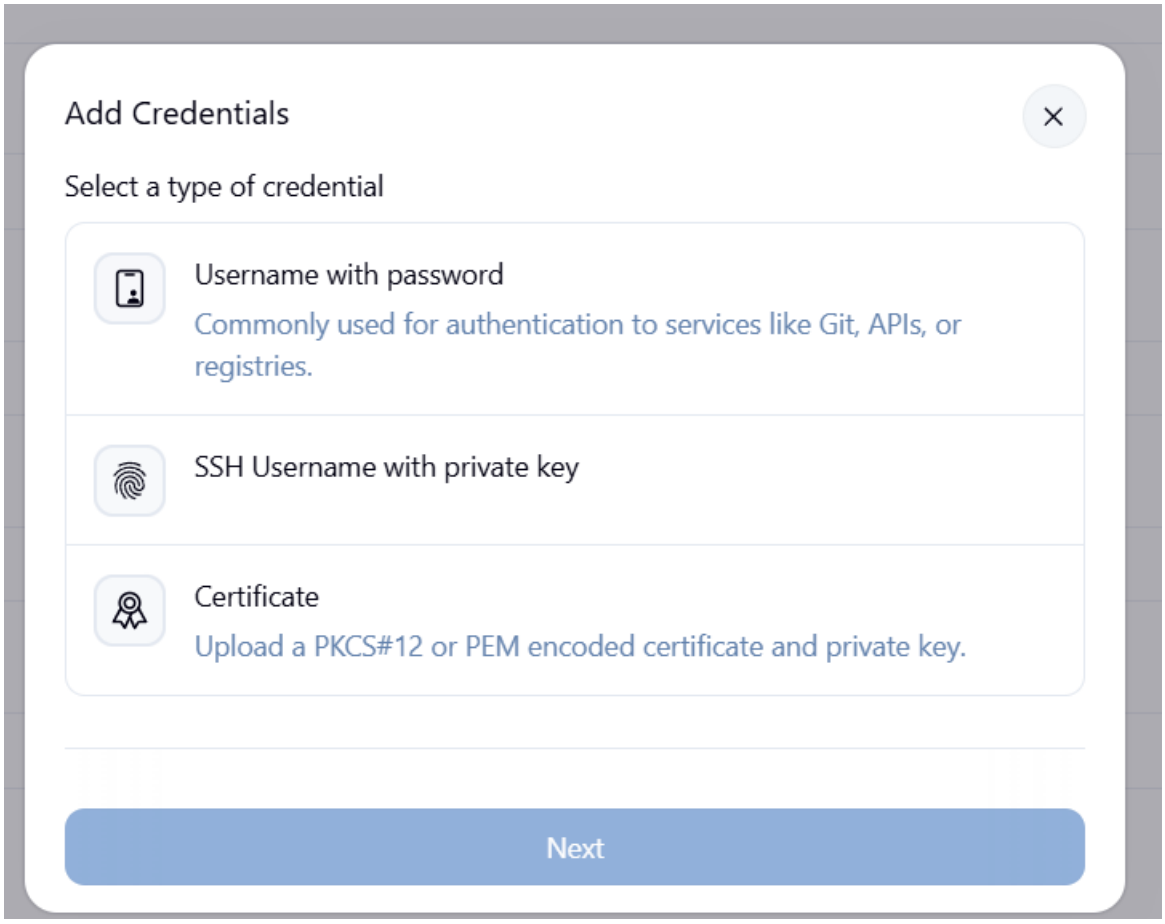


Launch Method

Launch agents via SSH

✅ Host

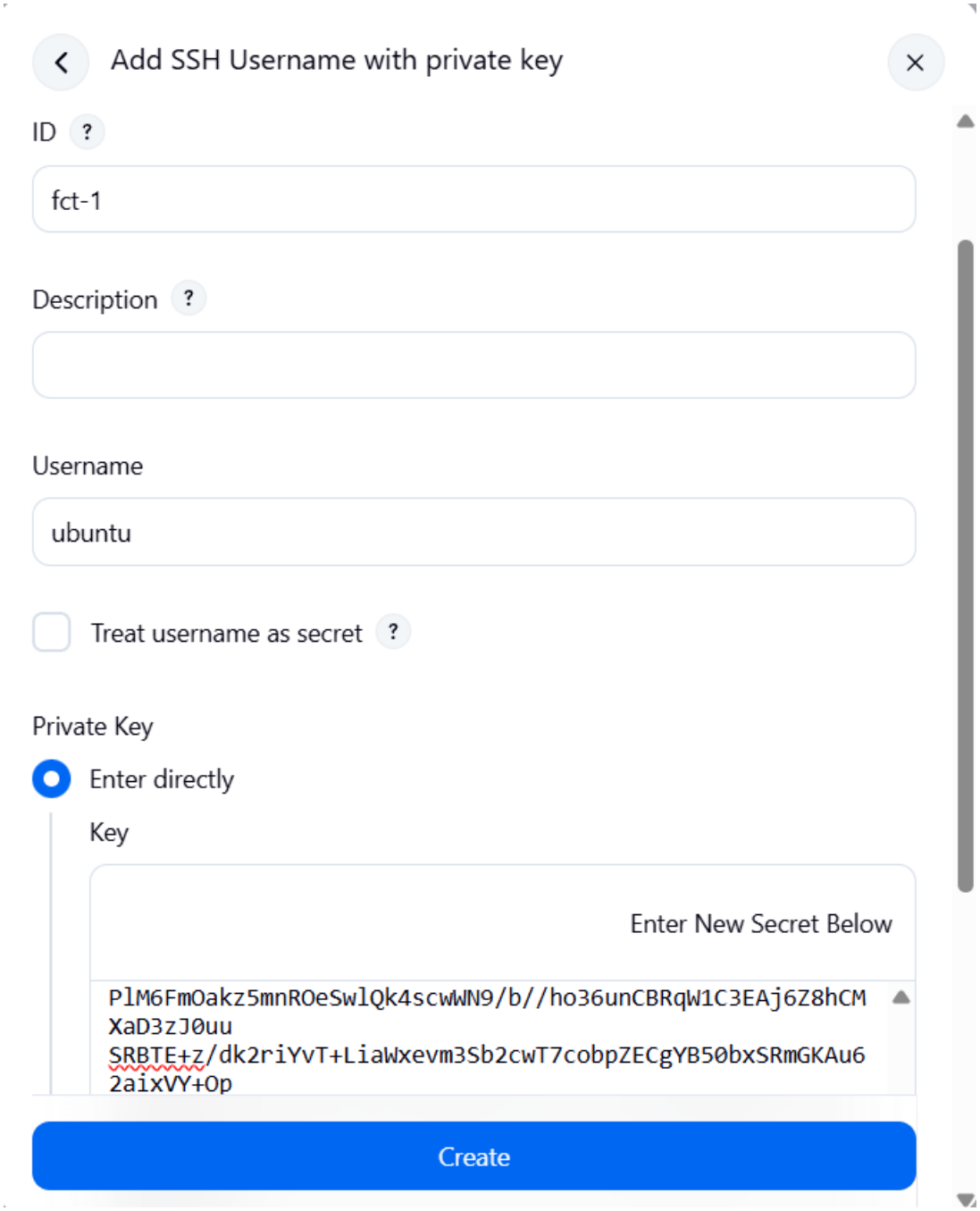
Put your EC2 node-1 private IP(172.31.80.23)



Credentials : SSH Username with private key

- ID: fct-1
- Username: ubuntu
- Private Key: Paste your EC2 .pem file content

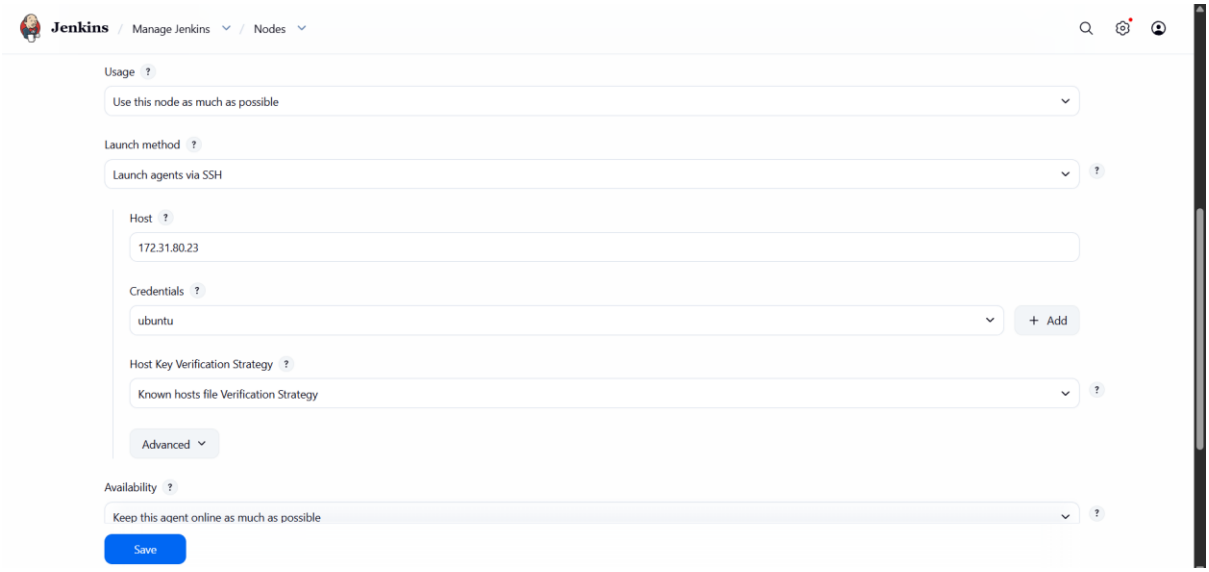
Click: **Create**

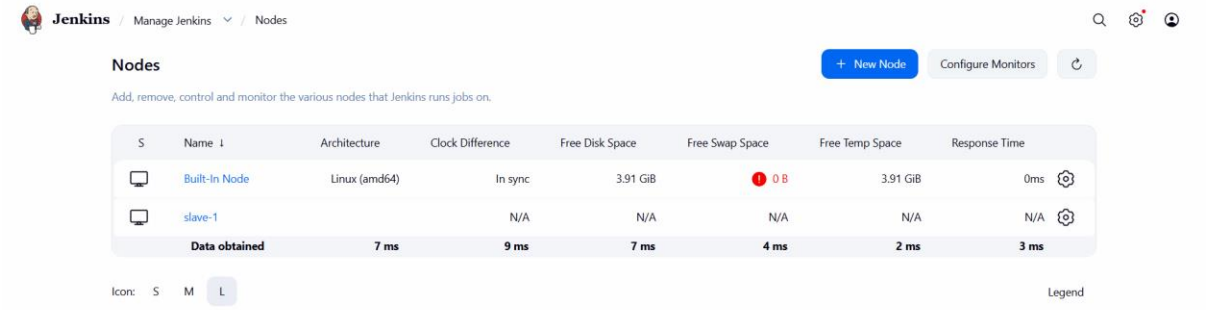


Host Key Verification Strategy : Non verifying Verification Strategy

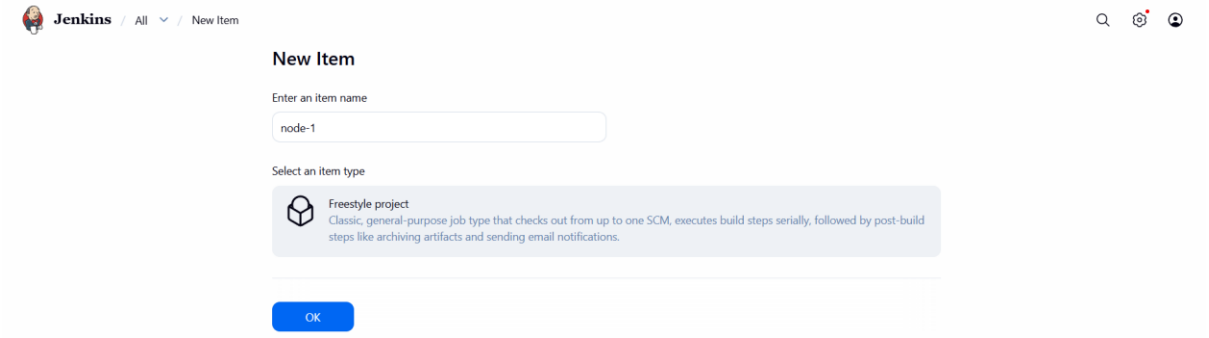
✅ Availability : Keep this agent online as much as possible

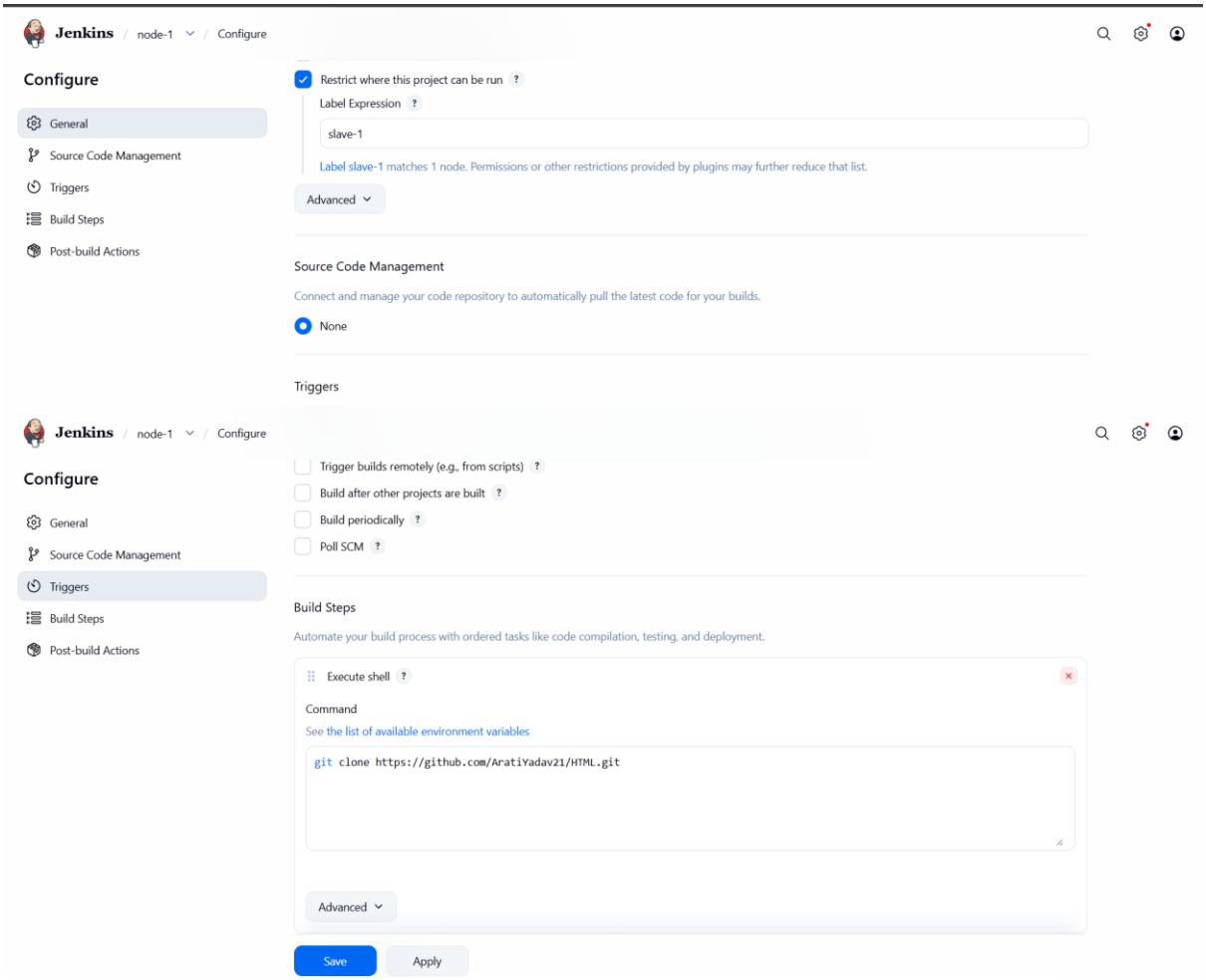
🔵 SAVE





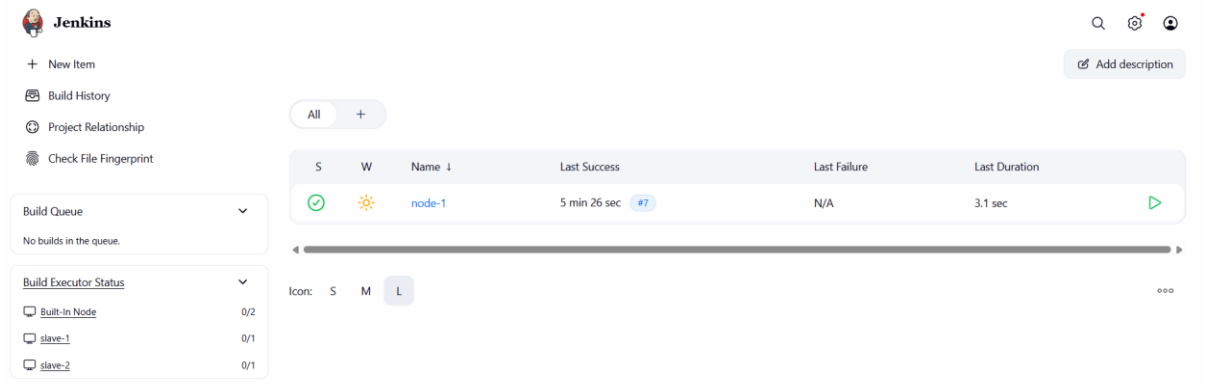
Create a new job





git clone https://github.com/AratiYadav21/HTML.git

Build Now



Note : Same steps for slave-2