Setting up Master Slave

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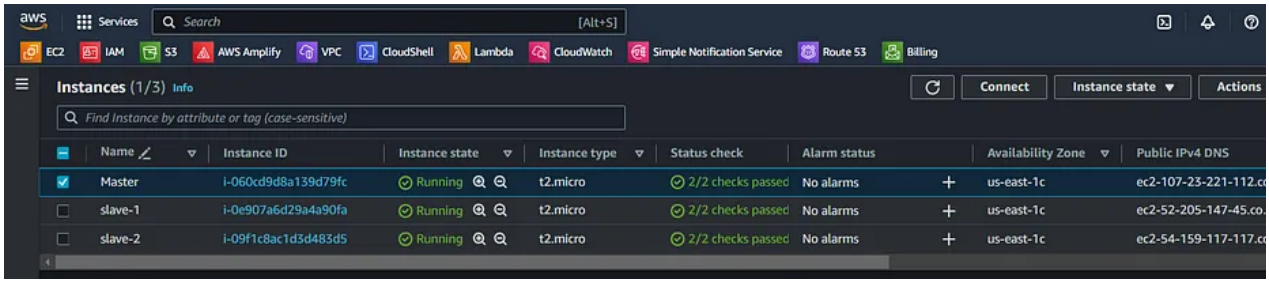
3 min read · Just now

first we need to create 3 VM using amazon linux

```
1 EC2 Instance -- master
2 EC2 Instacne -- slave-1
3 EC2 Instacne -- slave-2
```



Install Java — Master

```
sudo yum install java-17-amazon-corretto-devel -y
```

Install Jenkins

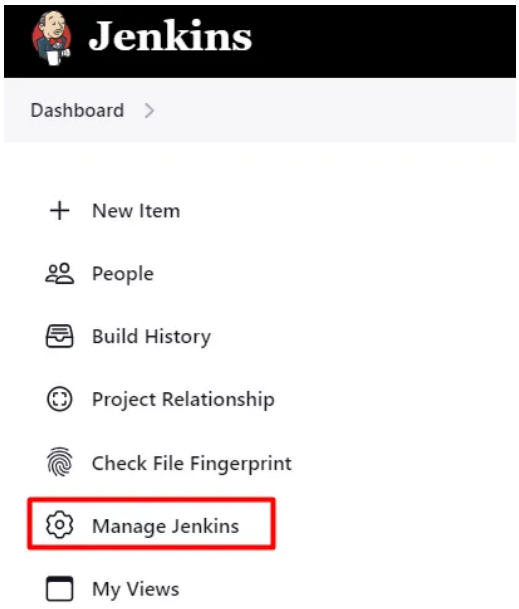
```
sudo yum update -y
sudo wget -O /etc/yum.repos.d/jenkins.repo http://pkg.jenkins.io/redhat/jenkins.
sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io-2023.key
sudo yum install jenkins -y
systemctl daemon-reload
sudo systemctl start jenkins
systemctl status jenkins
```

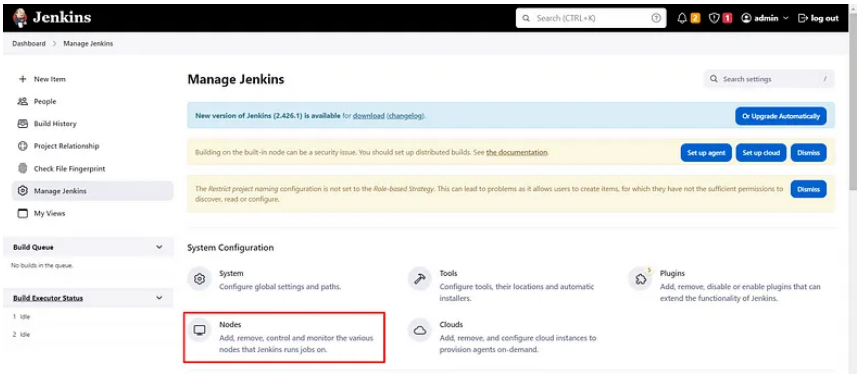
connect to slave — 1

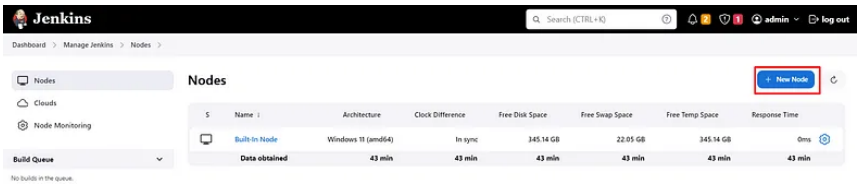
after connecting to the slave -1 install java and git (depends on your project install those applications). Then create a Directory and enter the command and copy the path.

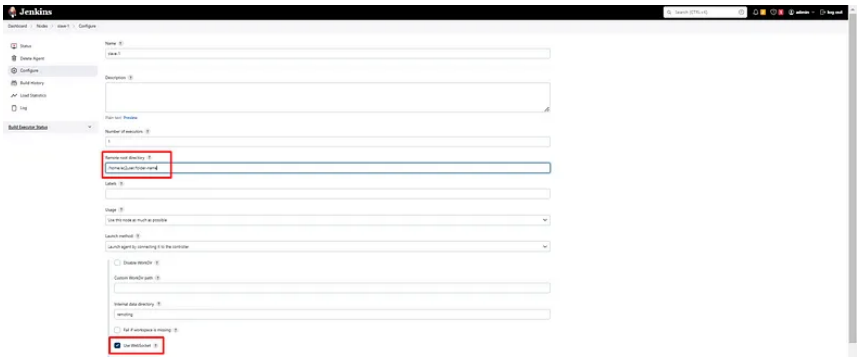
```
pwd
```

Connect to Jenkins and Create 2 — Node (slave-1 & slave-2)

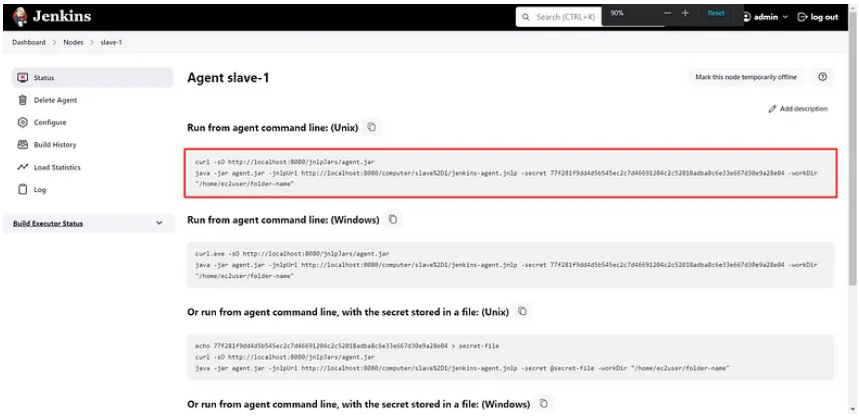








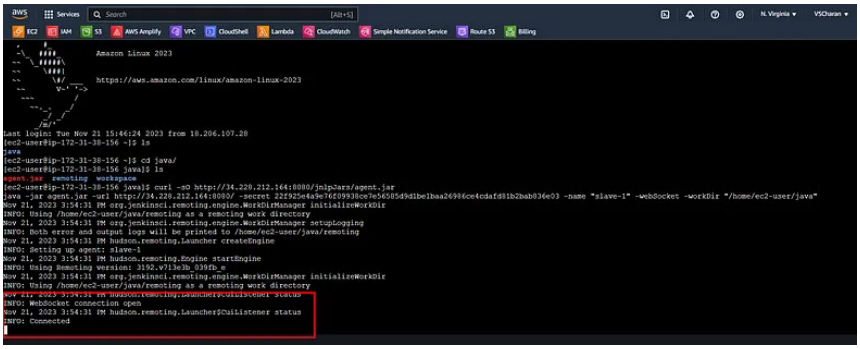
you have to paste the path in remote root diectory that u copied from the slave -1



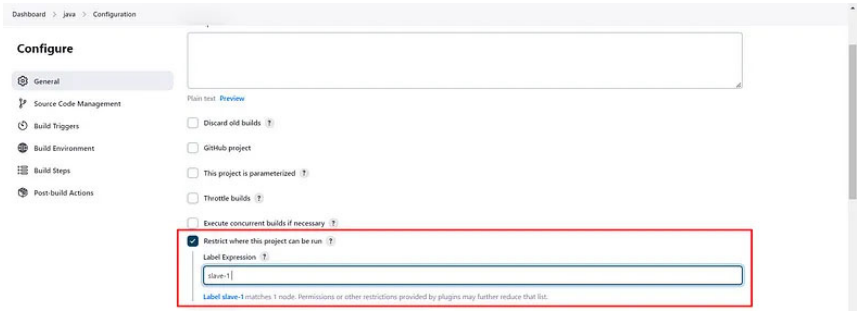
> *Repeat the same steps to create another node (slave-2)*

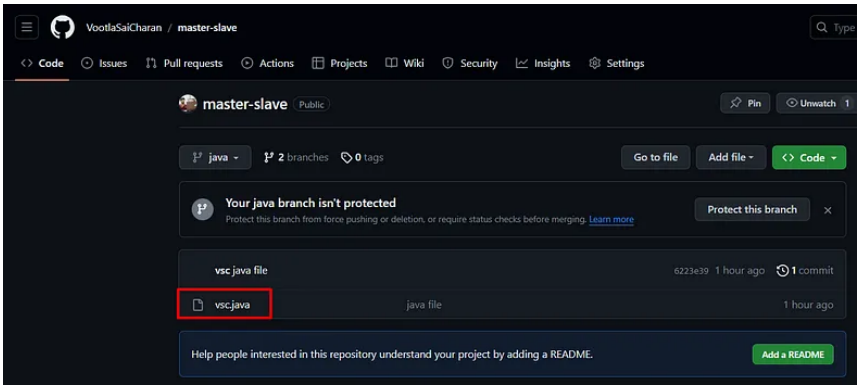
Now connect to slave — 1 instance in new console and enter to your folder that u have created and paste the agent command line.

> *Note: — after enter you will get to see info connected just leave it don't type or press any commands.*



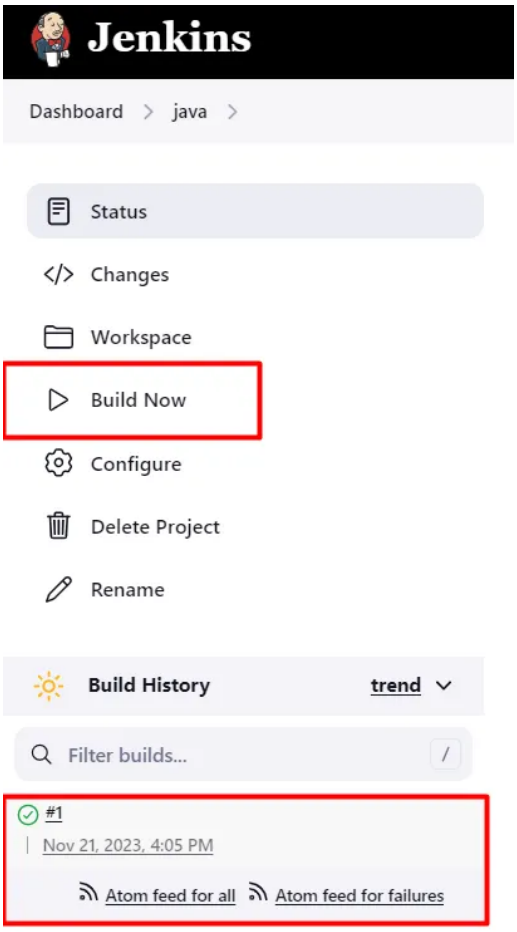
Create a free style job and click on Restrict where this project can be run and add the node name there (slave-1). In SCM and Git repo and branch



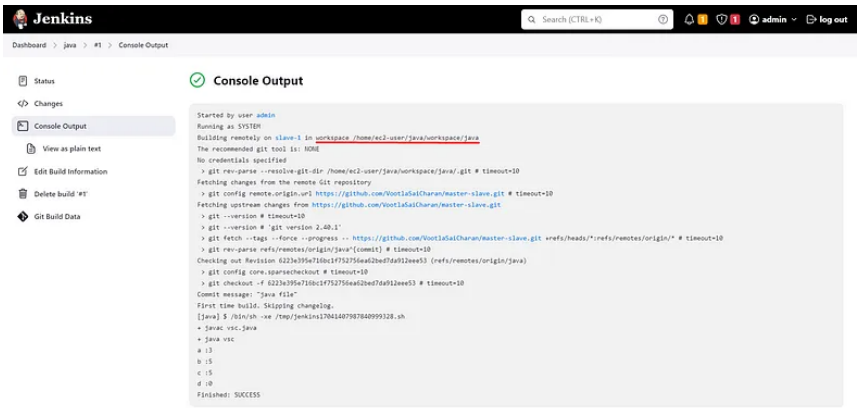


In Build environment → add build step → Execute shell → save → **Build Now**

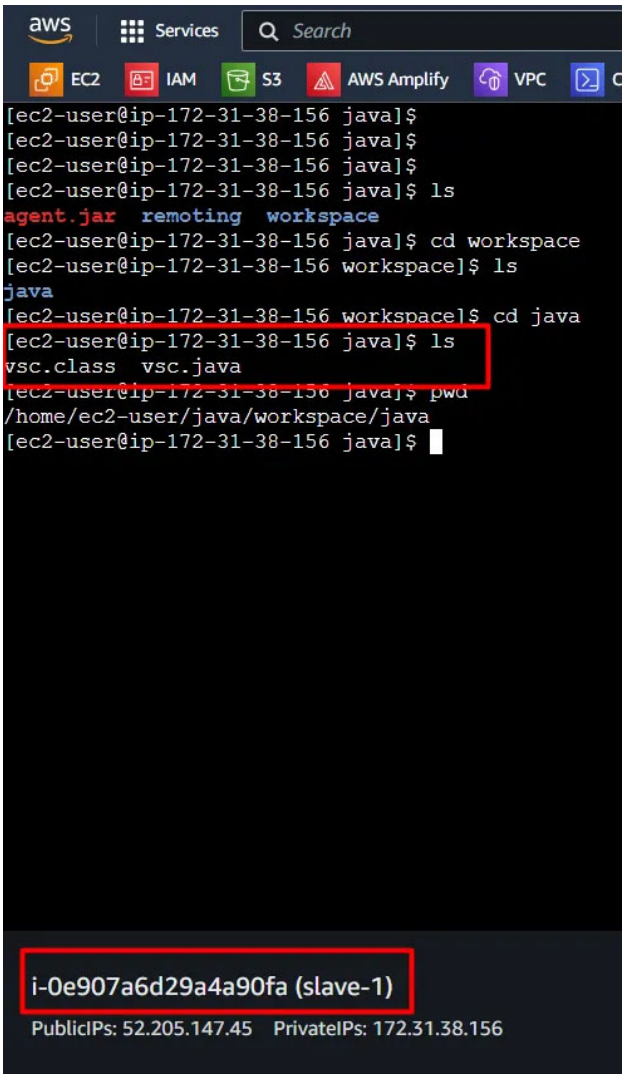
```
javac filename.java
java filename
```



build Console Output

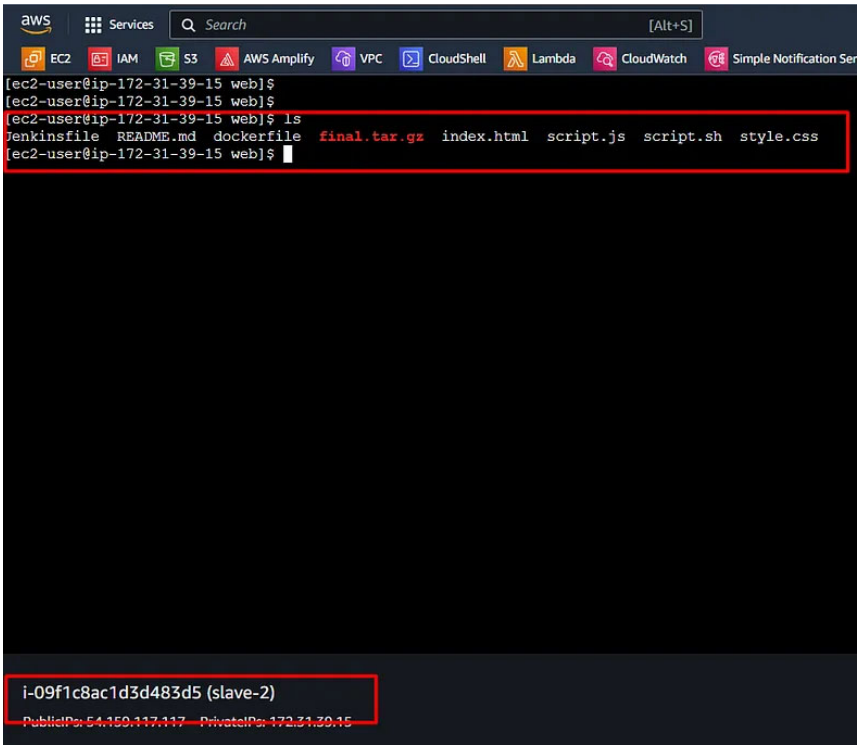


we can also see .class files in slave — 1



Now Connect to slave — 2

connect the node (slave-2) in slace-2 (EC2) then create a Jenkins free style project and change slave — 2 in Restrict where this project can be run and add git repo url in SCM change branch name to web save and build. you can also check the files in slave — 2 (EC2)


aws
Services
Search
[Alt+S]
EC2
IAM
S3
AWS Amplify
VPC
CloudShell
Lambda
CloudWatch
Simple Notification Ser
[ec2-user@ip-172-31-39-15 web]$
[ec2-user@ip-172-31-39-15 web]$
[ec2-user@ip-172-31-39-15 web]$ ls
Jenkinsfile README.md dockerfile final.tar.gz index.html script.js script.sh style.css
[ec2-user@ip-172-31-39-15 web]$
i-09f1c8ac1d3d483d5 (slave-2)