MASTER – SLAVE ARCHITECTURE

TASK ON MASTER - SLAVE:

- **1.** Create 1st instance named master and install Jenkins and JDK in the instance.
- **2.** Create 2nd instance named as slaveA and install JDK and GIT in the instance.
- **3.** Create 3nd instance named as slaveB and install JDK and GIT in the instance.
- **4.** After connecting the Jenkins to web browser create 2 free style projects with 2 different git repositories in each free style project.
- **5.** Goto nodes and create 2 nodes for slaveA and slaveB.
- **6.** Connect one node to slaveA and another node to slaveB.
- 7. Install jar file to each instance.

Steps followed:

Instance – 1 : [MASTER]

Jenkins installation:

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

JDK Installation:

sudo yum install java-11 -y

Instance -2: [slaveA]

• Create a empty directory with the name slaveA

JDK Installation:

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

GIT Installation:

sudo yum install git -y

• Copy the path of the directory

Instance – 3 : [slaveB]

• Create a empty directory with the name slaveB

JDK Installation:

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

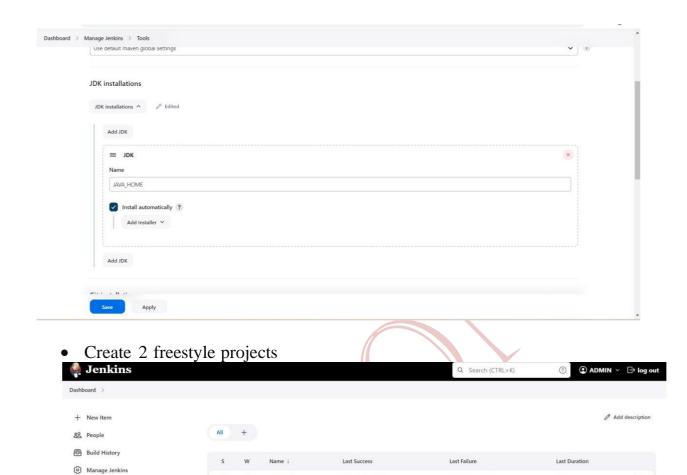
GIT Installation:

sudo yum install git -y

• Copy the path of the directory

JENKINS:

Add path of jdk



2 hr 4 min #12

1 hr 55 min #1

N/A

• Create 2 nodes

My Views

Build Executor Status

Built-In Node

Build Queue

0 0

Icon: S M L

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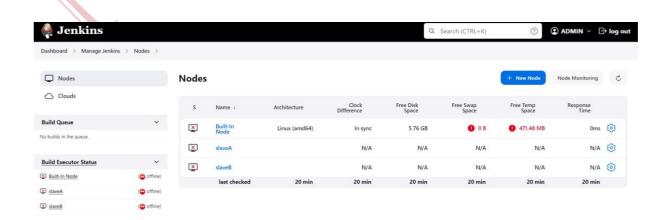
(offline)

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project1

project2

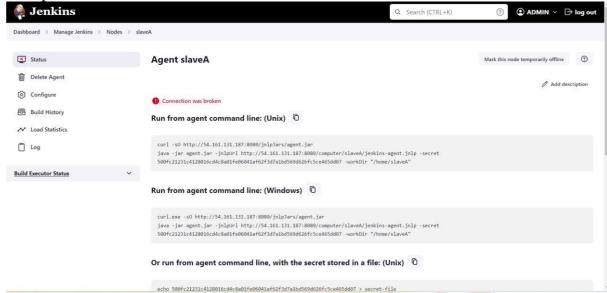


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8.5 sec

Icon legend 🔊 Atom feed for all 🔊 Atom feed for failures 🦒 Atom feed for just latest builds

Open slaveA

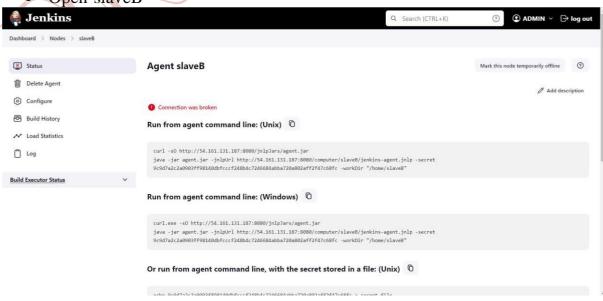


Copy the unix command to linux slaveA instance and to the directory of

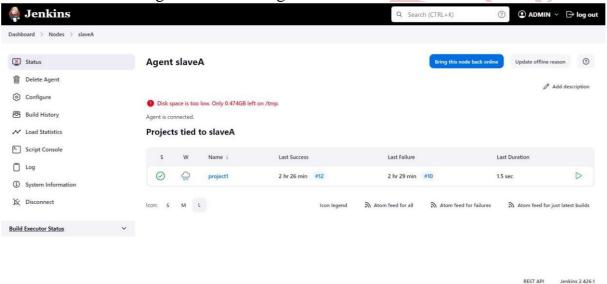
```
Last login: Wed Nov 22 08:09:05 2023 from 18:206.107.29
[ec2-user8jp-172-31-37-64 -]5 sudo su
[root8jp-172-31-37-64 -]5 sudo su
[root8jp-172-31-37-64 home] # cd ...
[root8jp-172-31-37-64 home] # cd ...
[root8jp-172-31-37-64 home] # cd slaveA
[root8jp-172-31-37-64 slaveA] # curl -so http://54.161.131.187:8080/jnlpJars/agent.jar
java -jar agent.jar -jnlpUrl http://54.161.131.187:8080/jnlpJars/agent.jar
java-jar agent.jar -jnlpUrl http://54.161.131.187:8080/jnlpJars/agent.jar
java-jar agent.jar -jnlpUrl http://54.161.131.187:8080/computer/slaveA/jenkins-agent.jnlp -secret 500fc21231c4128016cd4c8a01fe06041af62f3d7albd569d626fc5ce465dd07 -workD
ir "/home/slaveA/remoting as a remoting work directory
Nov 22, 2023 10:21:38 AM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
Nnv0: Both error and output logs will be printed to /home/slaveA/remoting
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Nnv0: Both yagent slaveA
Nnv0: 22, 2023 10:21:38 AM hudson.remoting.jnlp.Main createRagine
Nnv0: 22, 2023 10:21:38 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
Nnv0: Using Nemoting version: 3160.vd76b 9ddd10cc
Nnv0: 22, 2023 10:21:38 AM hudson.semoting.jnlp.MainScilistener status
Nnv0: WebSocket connection open
Nnv0: 22, 2023 10:21:38 AM hudson.remoting.jnlp.MainScilistener status
Nnv0: Connected
```

slaveA

Open slaveB



NOTE: If the slave goes offline bring the slave back to online



• After the slave is created, create build

