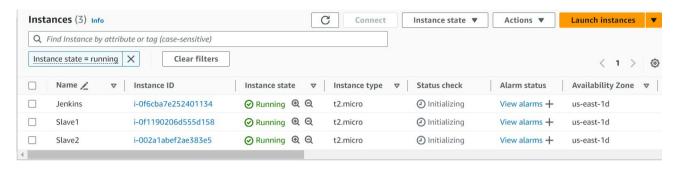
Master-Slave Architecture

Create 3 new instances, 1 for Master and 2 for Slaves.



Install Java in all 3 instances.

sudo dnf install java-17-amazon-corretto -y

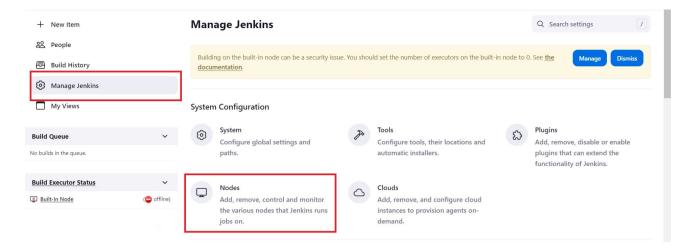
Install Jenkins in master server

```
sudo yum update –y
sudo wget -O /etc/yum.repos.d/jenkins.repo \
https://pkg.jenkins.io/redhat-stable/jenkins.repo
sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key
sudo yum install jenkins -y
sudo systemctl enable jenkins
sudo systemctl start jenkins
```

Connect to Slave1 and create a new directory.

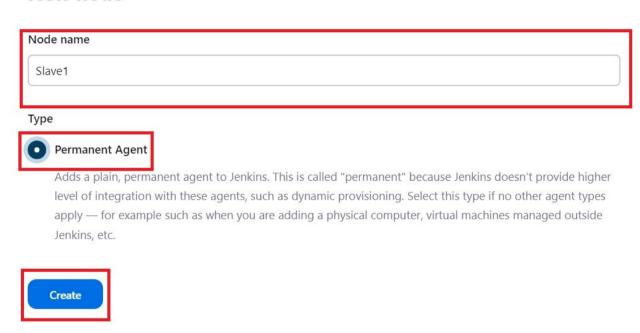
```
[ec2-user@ip-172-31-36-105 ~]$ ls
surya
```

- Connect to Jenkins server using the instance IP with :8080.
- On Jenkins server, go to manage jenkins, go to nodes.



 Add a new node and provide a node name and enable permanent agent and create.

New node



 Go to slave1 and inside the created directory, give pwd and copy the directory path.

[root@ip-172-31-36-105 surya]# pwd
/home/ec2-user/surya

• In new node, Give the path in remote root directory.



• Enable webScoket and create node.



• Now, we'll get command for both Unix and Windows, Copy the Unix command and run in our created directory in Slave1 instance.



• Agent.jar file will be build inside our directory and the agent is now connected.

```
[root@ip-172-31-36-105 surya]# ls
agent.jar remoting
```

 Now, we can create a freestyle project and connect it to SCM(GIT) and run any file and create builds.

