












Create a new Jenkins Slave

- create a new node
<https://jenkins.amtrust.asia/computer/new>

Name	<input type="text" value="test"/>	
Description	<input type="text"/>	
# of executors	<input type="text" value="1"/>	
Remote root directory	<input type="text" value="/var/jenkins"/>	
Labels	<input type="text"/>	
Usage	<input type="text" value="Use this node as much as possible"/>	
Launch method	<input type="text" value="Launch agent via Java Web Start"/>	
Disable WorkDir	<input type="checkbox"/>	
Custom WorkDir path	<input type="text"/>	
Internal data directory	<input type="text" value="remoting"/>	
Fail if workspace is missing	<input type="checkbox"/>	

- Remote root directory :

```
/var/jenkins
```

- download the agent.jar
- ssh to the server
- upload the agent.jar

```
• sudo mkdir /var/jenkins
```

- copy agent.jar to /var/jenkins/

```
sudo cp agent.jar /var/jenkins/agent.jar
```

- create a new script and change the variables according to the node

```
sudo nano /usr/bin/slave.sh
```

- change the Secret and the name

```
secret=f232e02b801d6e7f4c751da4a9c09345f6db070ddd9e7ee48f737766802ee768
master=https://jenkins.amtrust.asia/
name=Flowable
java -jar /var/jenkins/agent.jar -jnlpUrl $master/computer/$name/slave-agent.jnlp -secret $secret -workDir "/var/jenkins"
```

- make the script executable

```
sudo chmod +x /usr/bin/slave.sh
```

- create a new service in /etc/systemd

```
sudo nano /etc/systemd/system/jenkins-agent.service
```

```
[Unit]
Description=Jenkins slave

[Service]
Type=simple
ExecStart=/bin/bash /usr/bin/slave.sh

[Install]
WantedBy=multi-user.target

AmbientCapabilities=CAP_SYS_RAWIO
User=nobody
```

reload the services

```
sudo systemctl daemon-reload
```

start the service

```
sudo systemctl start jenkins-agent
```

check the status

```
sudo systemctl status jenkins-agent
```

if java not installed

```
ubuntu  
sudo apt-get install default-jre  
  
amazon linux 2  
sudo amazon-linux-extras install java-openjdk11
```

to start docker

```
sudo systemctl start docker  
sudo systemctl status docker
```

if npm is needed

```
curl -sL https://rpm.nodesource.com/setup_10.x | sudo bash -  
sudo yum install nodejs  
npm --v
```