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» Configure Jenkins Slave and Connect to Master

July 26, 2016   izel   1 Comment
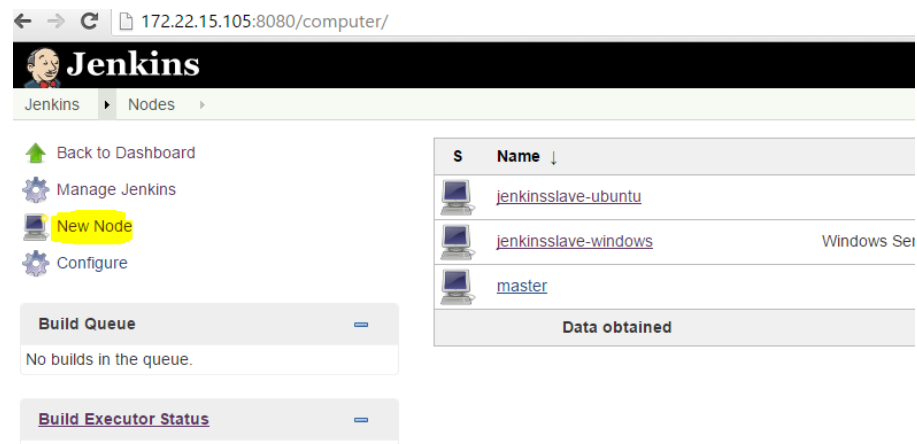
Configure Jenkins Slave and Connect to Master

For understanding and installing refer previous blog of Jenkins Server.

For adding a node as a slave to Jenkins master, follow following steps.

Step 1: On Jenkins master go to `Manage Jenkins > Manage Nodes`.

Step 2: Select `New Node` and enter node name.

Step 3: select `Permanent Agent -> Press OK`.

Node name | Jenkins Demo Slave

◉ **Permanent Agent**
Adds a plain, permanent agent to Jenkins. This is called
for example such as when you are adding a physical con

○ **Copy Existing Node**
Copy from

OK

Step 4: On the next page, fill in the following fields:

- Set a number of executors (one or more) as needed. Default is 1.
- Set a Remote FS Root, a home directory for the master on the slave machine. i.e Linux Slave: "/opt/jenkins/" or Windows Slave: "E:/jenkins/".
- Set Usage to "Use this node as much as possible".
- Choose Launch method as "Launch agent via Java Web Start".
- Set Availability, –> Keep this slave online as much as possible.
- Press Save.

Name | Jenkins Demo Slave
Description |
# of executors | 1
Remote root directory | /opt/jenkins/
Labels |
Usage | Use this node as much as possible
Launch method | Launch agent via Java Web Start
Advanced...
Availability | Keep this agent online as much as possible

Node Properties
☐ Environment variables
☐ Tool Locations

Save

Step 5: Now for connecting to slave to the master by

- Open a browser on the slave machine and go to the Jenkins master server url (http://yourjenkinsmaster:8080).
- Go to Manage Jenkins > Manage Nodes, click on the newly created slave machine.
- Connect agent to Jenkins by one of these ways.

  - Launch Agent from Browser.

  - Run from agent command line.

- We have chosen second option, login to agent node -> download the slave.jar file from Jenkins Master UI to slave machine then while executing the command, please specify download path of slave.jar file.

Agent Jenkins Demo Slave

Mark this node temporarily offline

⊗ This agent is offline because Jenkins failed to launch the agent process on it. See log for more details

Connect agent to Jenkins one of these ways:

- **Launch**   Launch agent from browser
- Run from agent command line:

java -jar slave.jar -jnlpUrl http://172.22.15.105:8080/computer/Jenkins%20Demo%20Slave/slave-agent.jnlp -secret e78c9bde06ca1ada782b3b222cc19baaece0fc48b1ae7a1d40b2cae716b485de

Projects tied to Jenkins Demo Slave

None

On Linux

```
nohup java -jar /opt/jenkins/slave.jar -jnlpUrl http://jenkins.local.in:8080/computer/ Jenkins%20Demo%20Slave /slave-agent.jnlp -jnlpCredentials jenkins:jenkins@123 &
```

On Windows

```
start /B java -jar c:\jenkins\slave.jar -jnlpUrl http://jenkins.local.in:8080/computer/jenkinsslave-windows/slave-agent.jnlp -jnlpCredentials jenkins:jenkins@12Now slave node will be in Connected state.
```

Now node will be in Connected state.

Tags: Configure Jenkins Slave and Connect to Master, continuous integration, Jenkins master, Jenkins server, jenkins slave