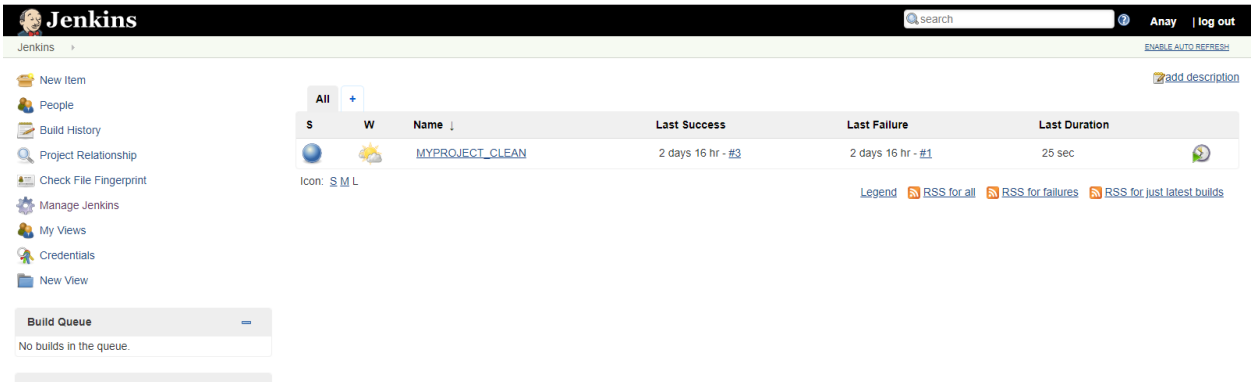
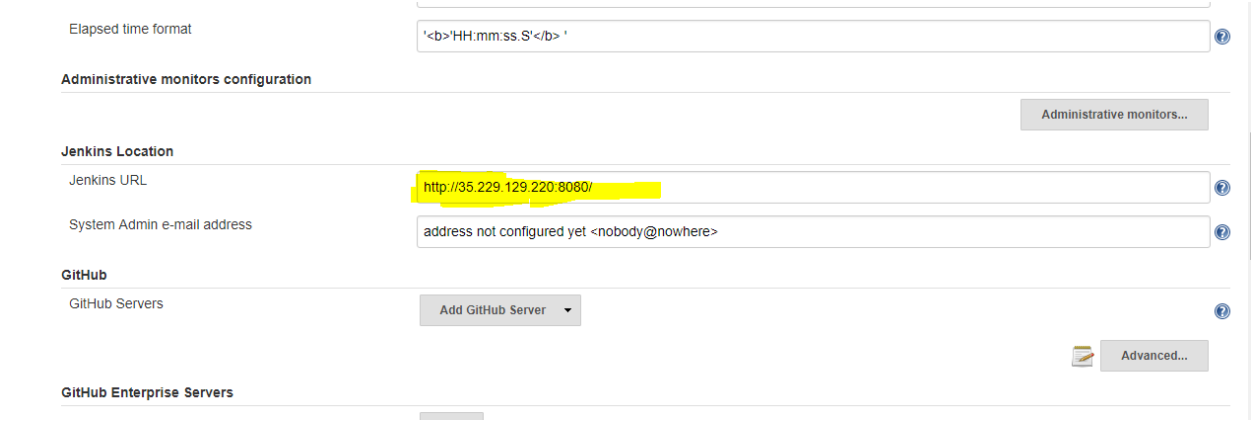
MASTER-SLAVE Configuration for Jenkins.

Step1: Install Jenkins in a host “Master_host”.



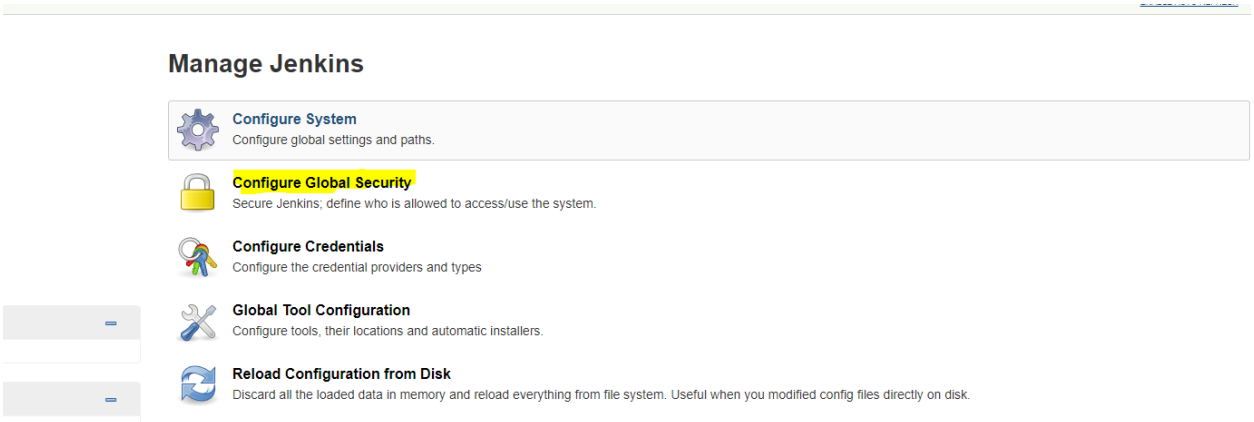
Step2: Navigate to manage Jenkins → configure system and check the configuration on tab Jenkins location.

We should have entered our Jenkins URL

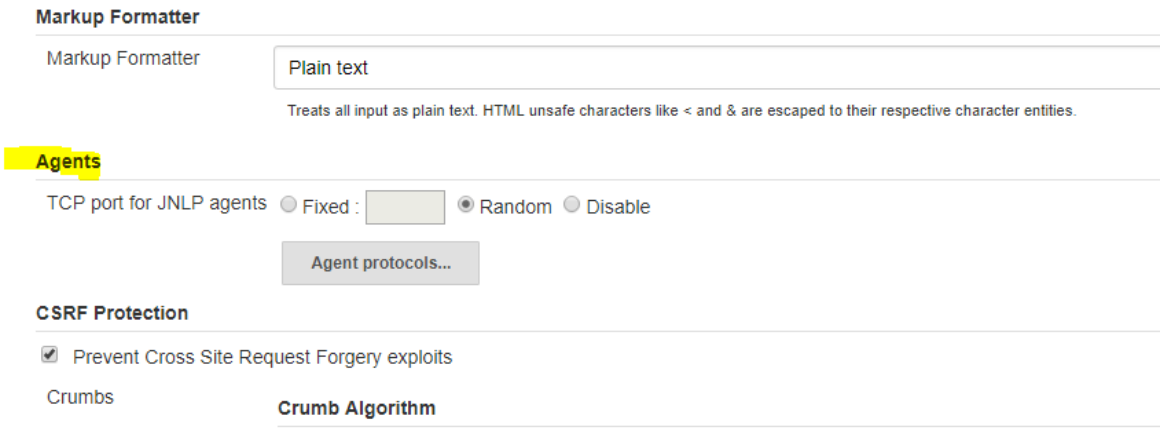


Step3: we will configure or global security settings.

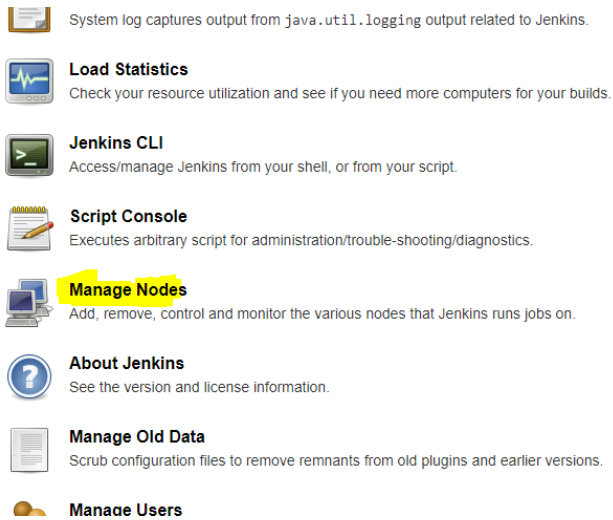
Navigate to manage Jenkins → global security



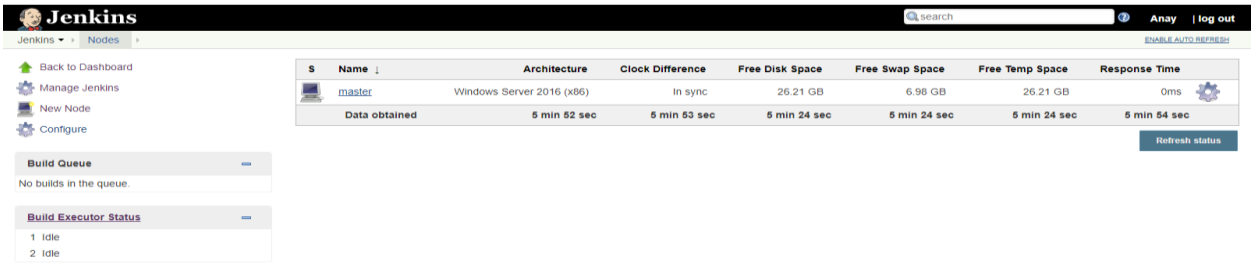
Next, click on this and scroll down to Agent tab and select random if it is disabled.



Step4: Navigate to manage Jenkins → Manage Nodes

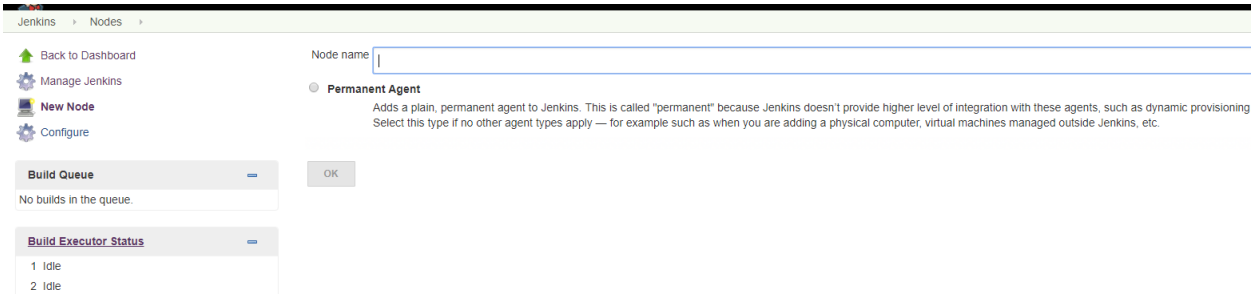


Next, click on this and we will get master node as given below:

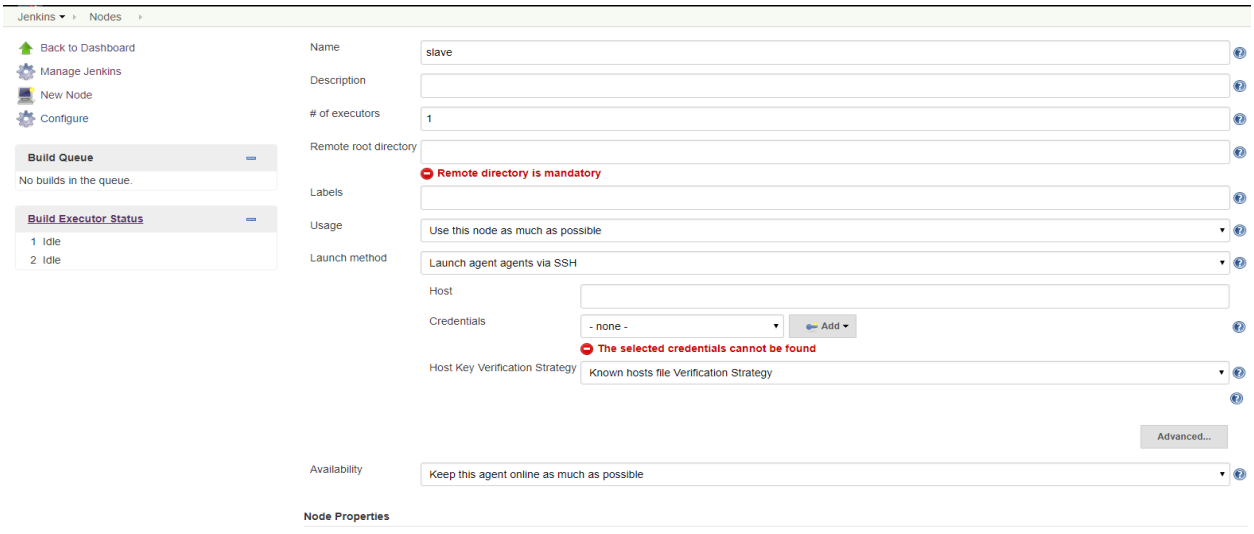


Step5: We will configure slave node and launch it.

Now, click on new node and we will get a page like this:

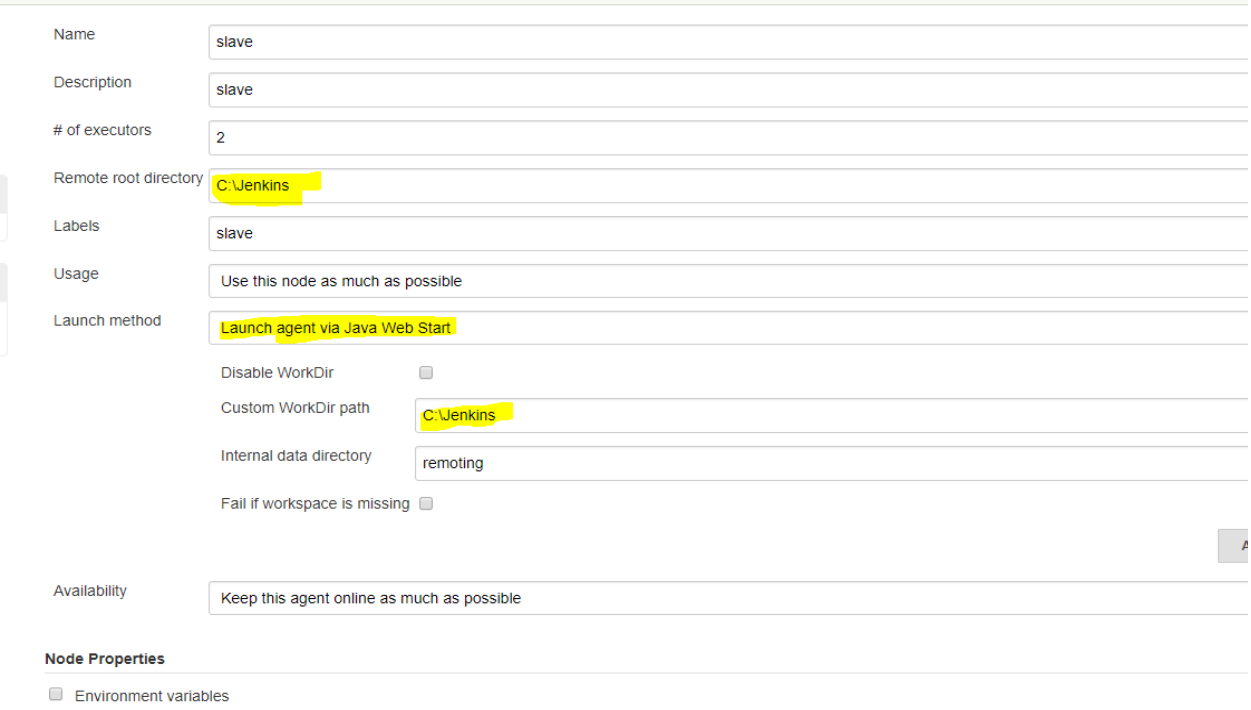


Next, select permanent agent and give a name to agent and click on ok.

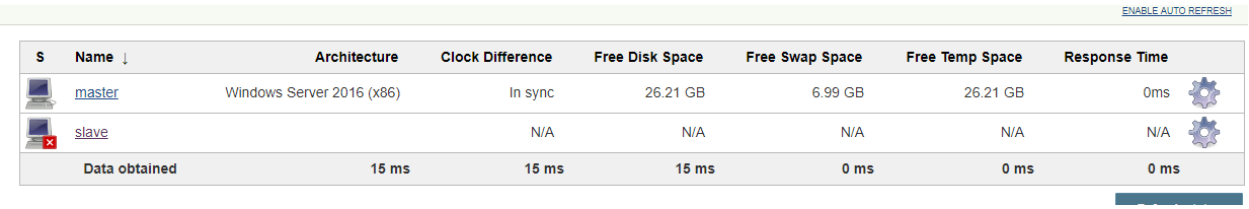


Now, we need to have another virtual machine which we want to configure as node.

1. We must a have a dir in slave node, So create a dir “C:\Jenkins”
2. Make sure we have opened our Jenkins master server in that slave node because later in this tutorial we need to download some software’s.



Fill all the labels as given above and click on save.

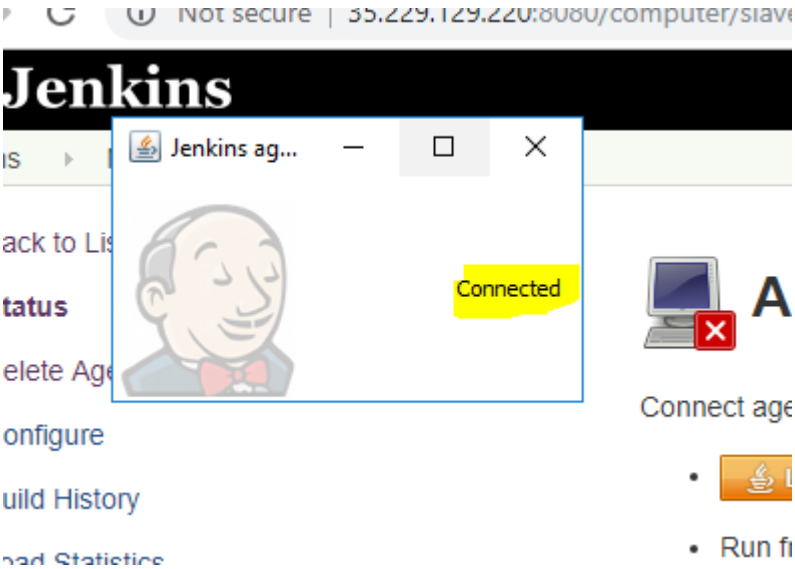


Next, we need to launch this slave node to launch this we need to visit at http://<masterurl>/computer/slave/ and we will get:

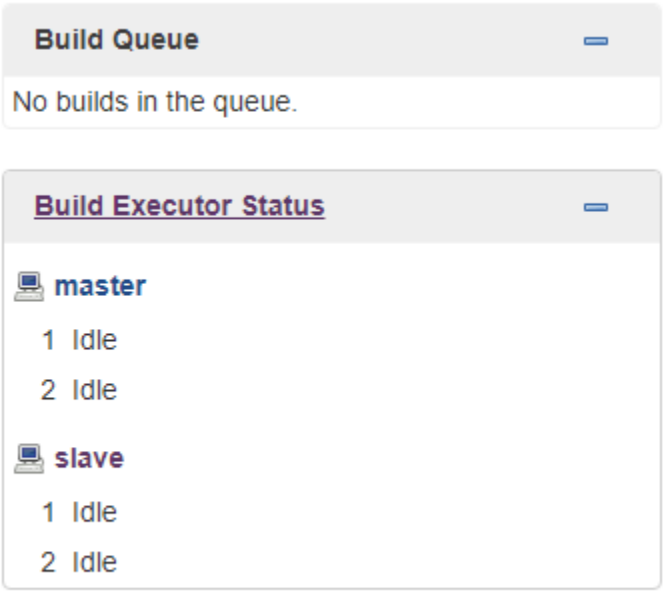
Now, click on launch and it will download a .jnlp file.

Note: The slave node must be having JDK.

Next, double click on that file and if we have jdk and the Dir that we have created previously, we will get the output as connected.



Now, refresh the master url and we can see that slave node is ready.



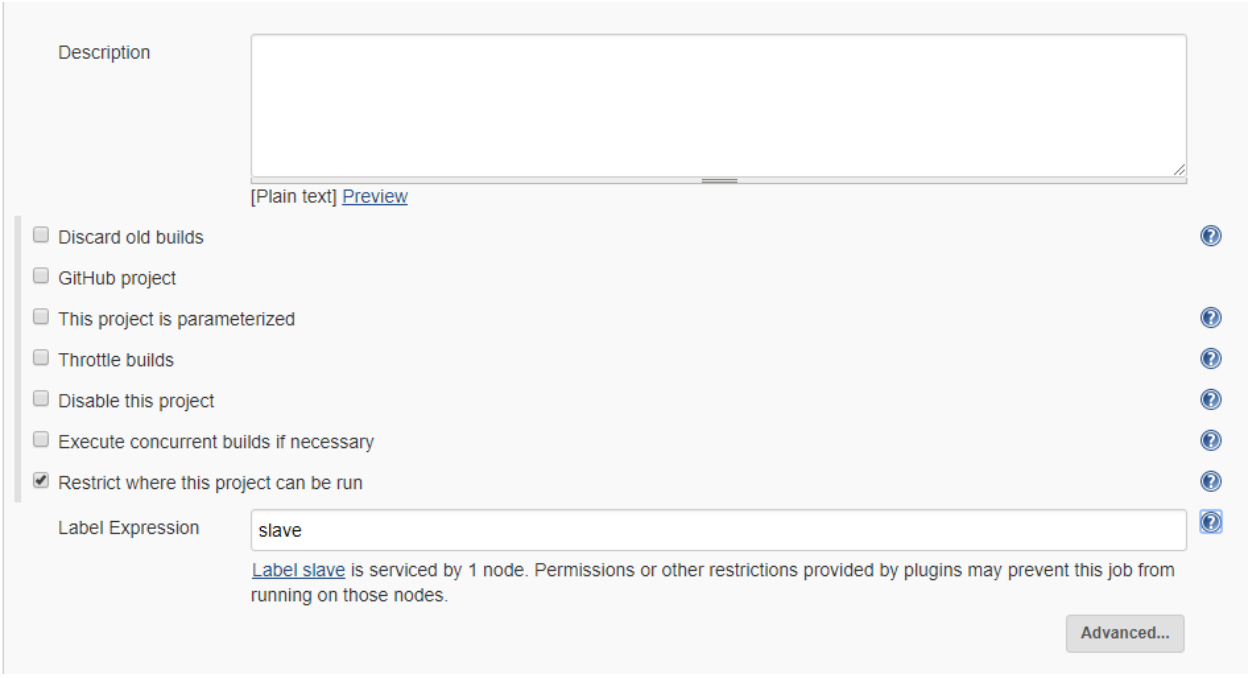
Example:

Now in this example we will restrict our Jenkins server to build a job on slave node only.

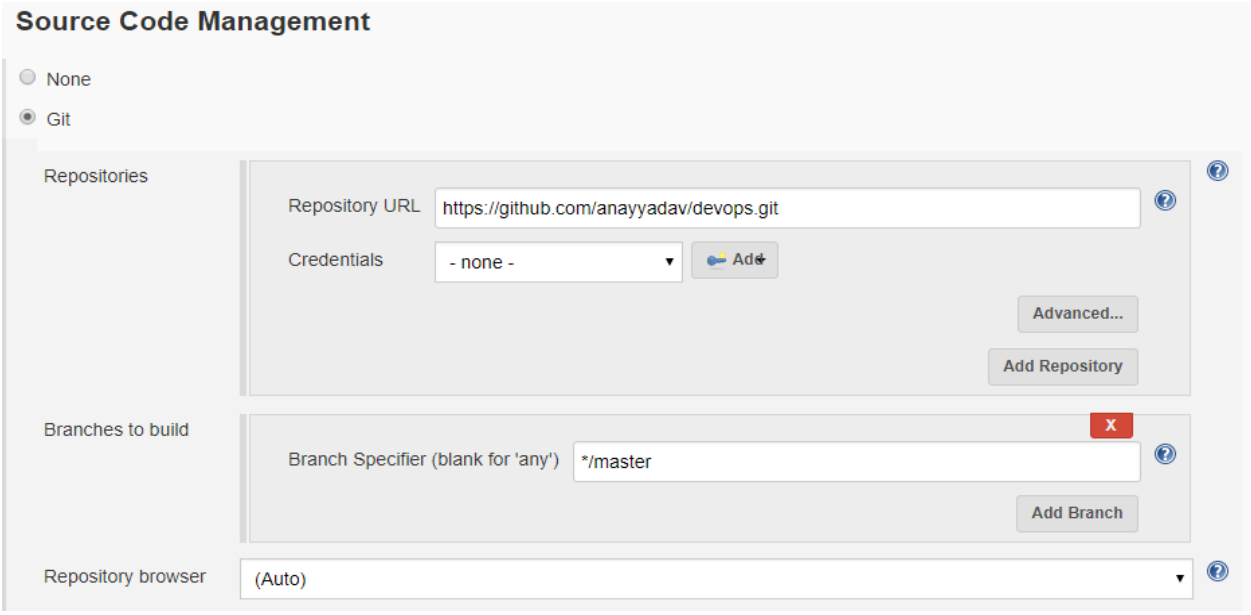
I'm assuming that you have gone through my pervious tutorials. And you are aware about how we can build a maven project in Jenkins.

We will be building a maven project. So, click on new item and configure all the steps.

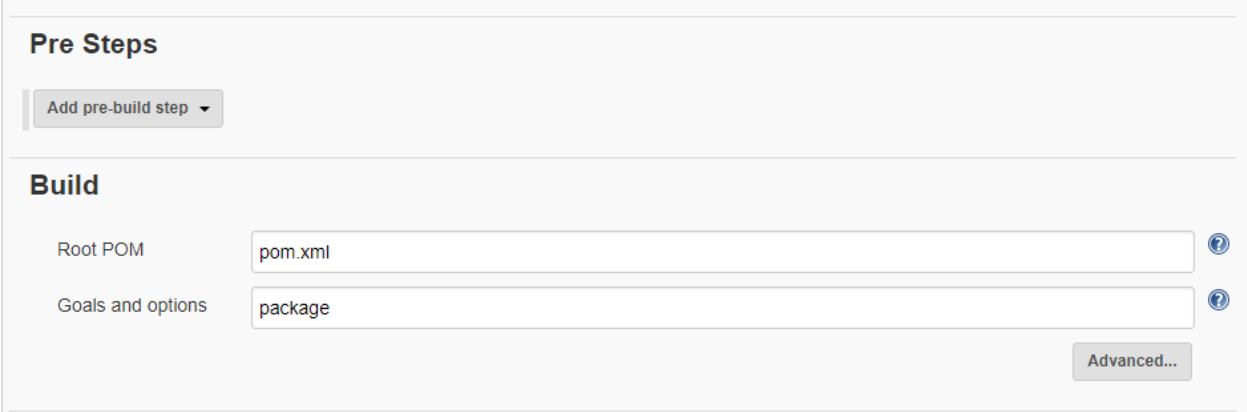
General:



SCM:

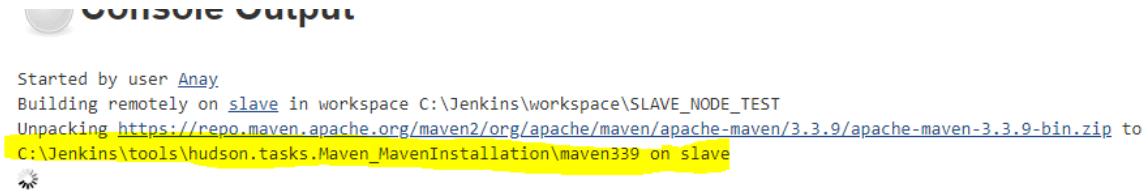


BUILD:



Finally save this job and click on build.

We can see that this process is running on slave.



NOTE: Make sure one must be having Git on their slave node.

Verification:

We can also verify that this job is running on Slave node. To verify we can check the main page of Jenkins server.