Jenkins Node

JENKINS

Network Nuts
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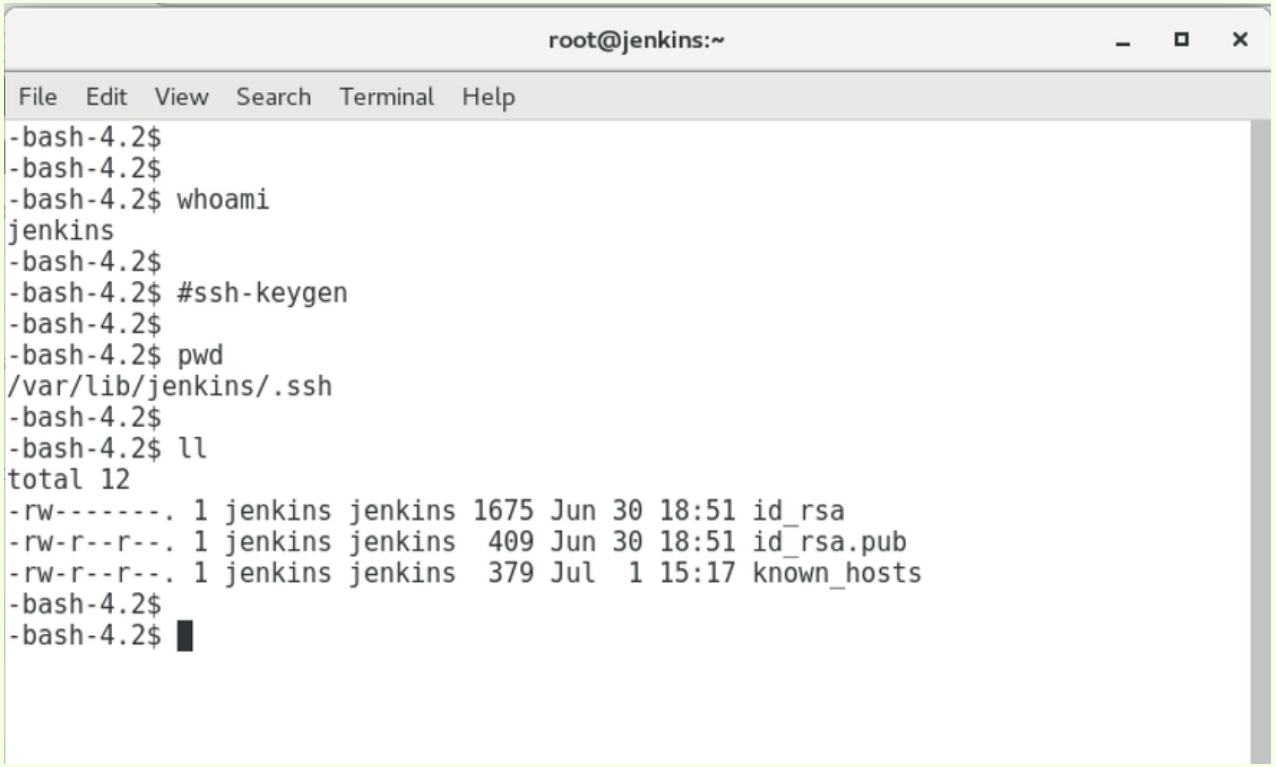
JENKINS NODE

Jenkins master/slave architecture is used for distributed build environments, where the workload of building projects is distributed to multiple agent nodes, and we can use different environments for each build.

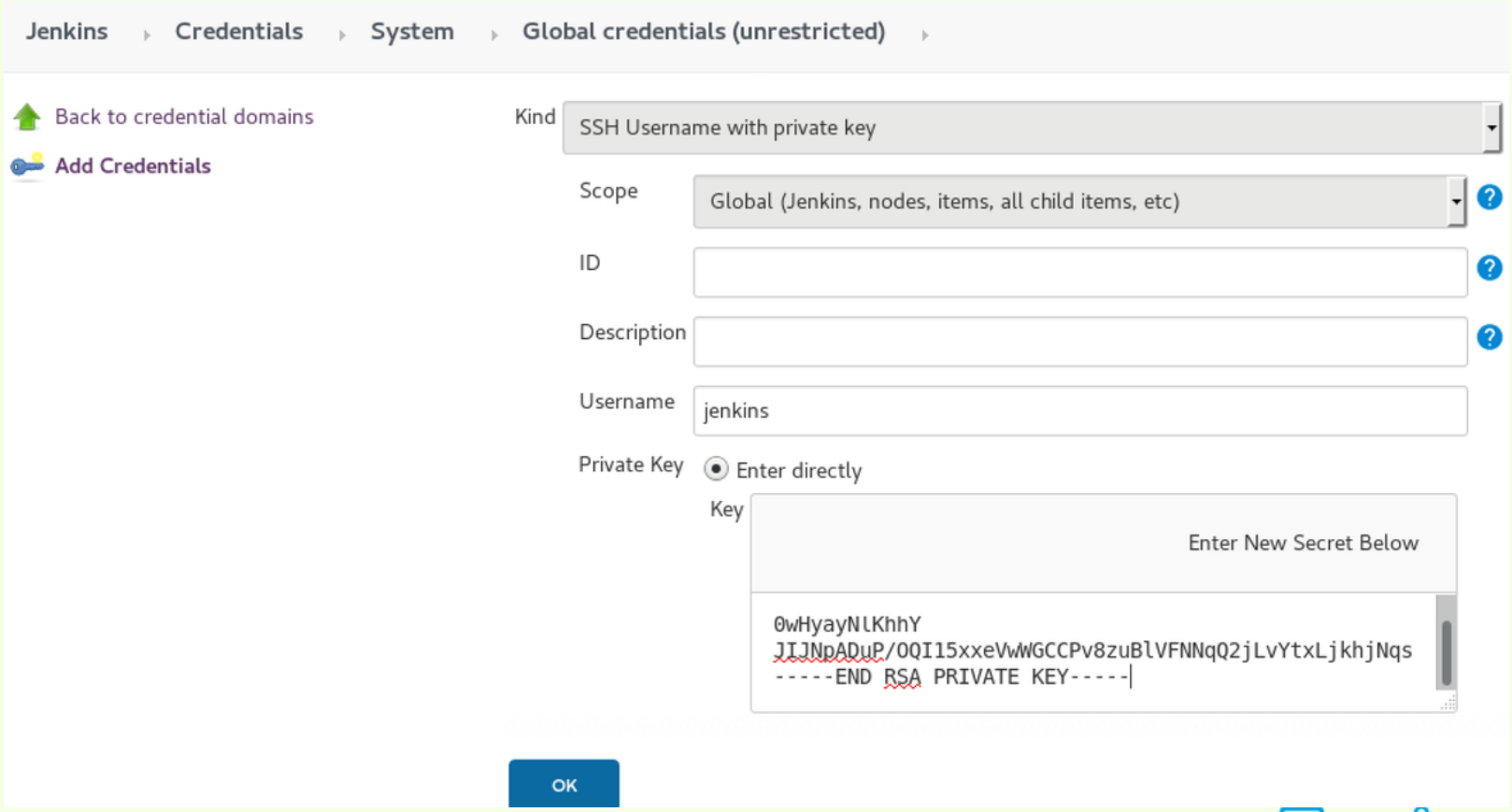
STEP #1

Create ssh keys for "jenkins" user on Jenkins master.



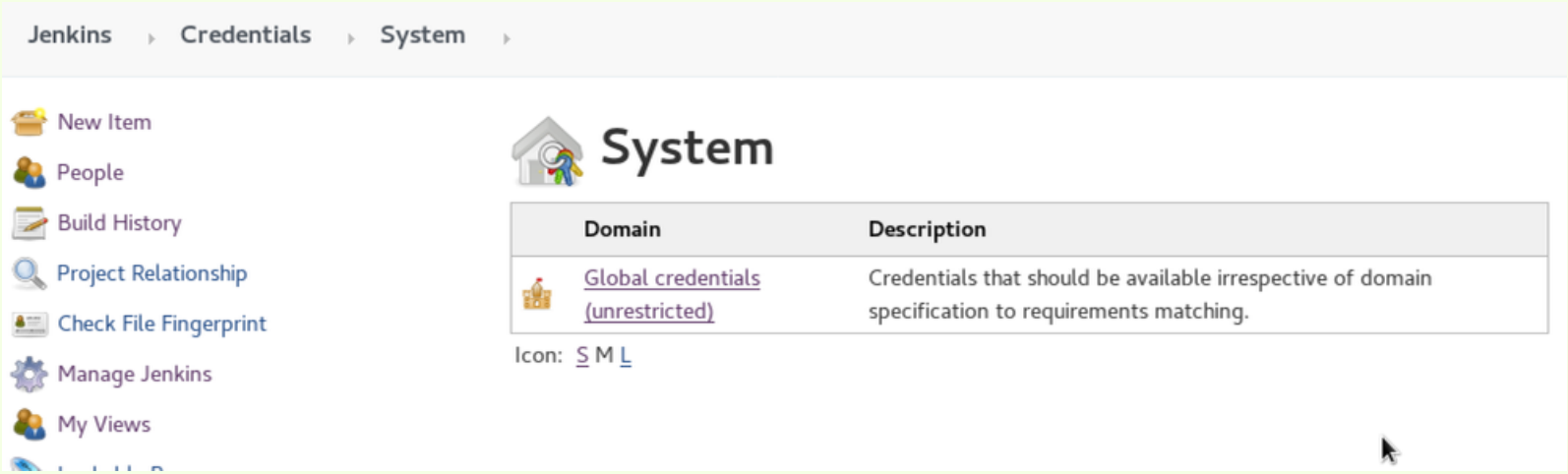
STEP #2

Configure jenkins user credentials to Jenkins dashboard. Select "credentials -> global -> add". Supply the "id_rsa" for user jenkins.



STEP #3

Confirm that jenkins user credential has been created.



STEP #4

Go to the slave node (10.0.0.101) and install the packages.

yum -y install java-1.8.0-openjdk git

Create a user "jenkins" on the slave node

useradd -d /var/lib/jenkins jenkins
#passwd jenkins

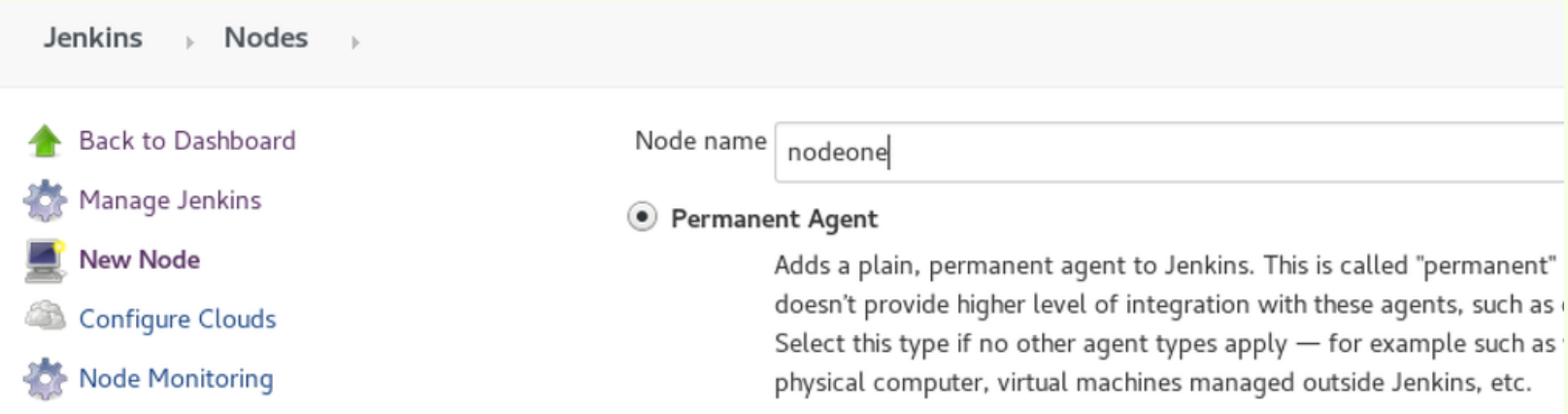
STEP #5

Copy the id_rsa.pub from jenkins master's "jenkins" user to "jenkins" user on node

```
-bash-4.2$
-bash-4.2$
-bash-4.2$ pwd
/var/lib/jenkins/.ssh
-bash-4.2$
-bash-4.2$ ll
total 12
-rw-------. 1 jenkins jenkins 1675 Jun 30 18:51 id_rsa
-rw-r--r--. 1 jenkins jenkins  409 Jun 30 18:51 id_rsa.pub
-rw-r--r--. 1 jenkins jenkins  379 Jul  1 15:17 known_hosts
-bash-4.2$
-bash-4.2$ ssh-copy-id jenkins@server.example.com
```

STEP #6

Add the slave node on jenkins master dashboard. Go to "manage jenkins -> manage node and cloud". Select "New Node"



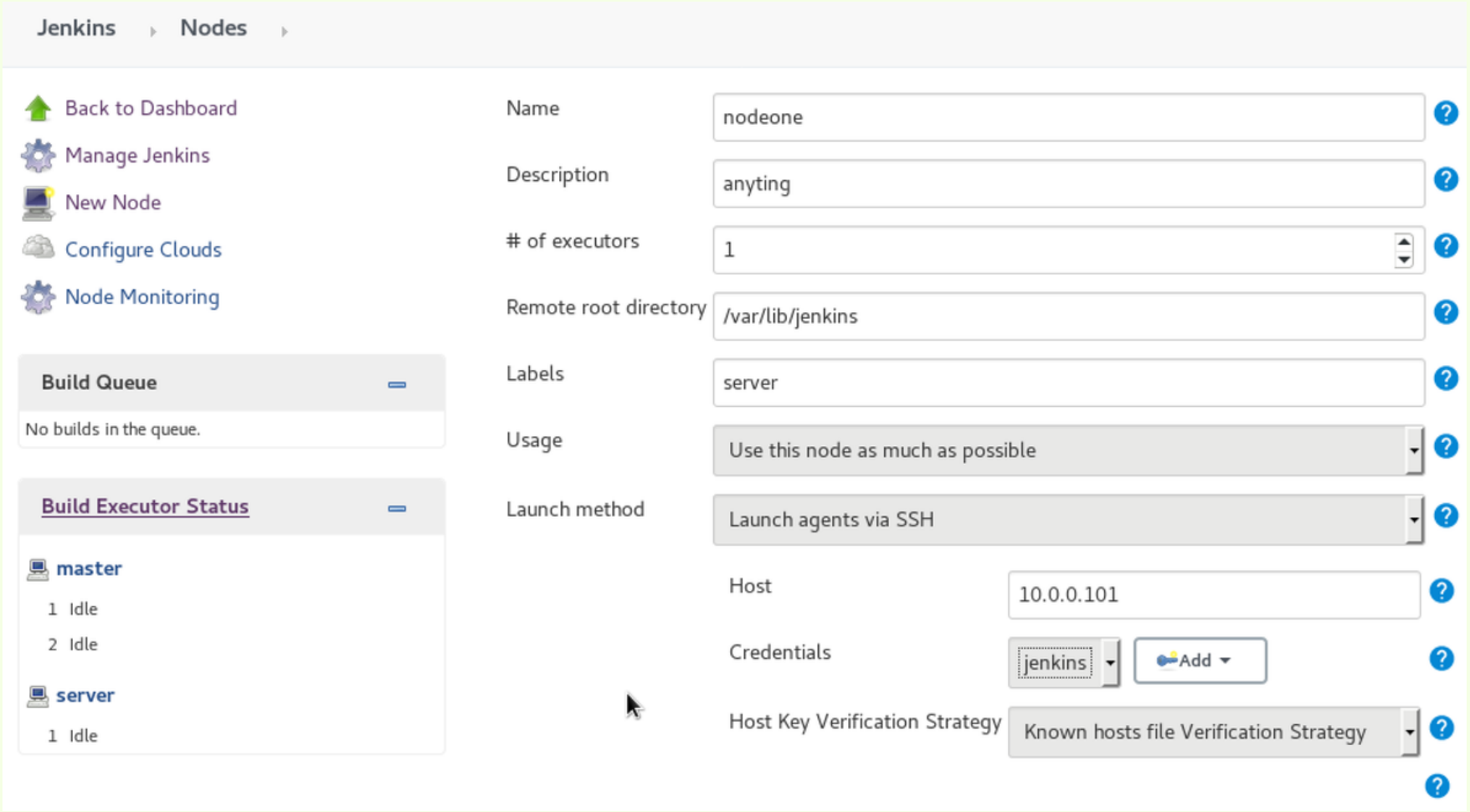
STEP #7

Supply node information details.

Description: anything
Remote root directory: /var/lib/jenkins
Labels: server
Launch method: Launch slave agent via SSH, type the host ip address '10.0.0.101', choose the authentication using 'Jenkins' credential.

STEP #8

Select Save.



STEP #9

Within few moment your slave jenkins server will be ready for builds.