Jenkins

Nodes

Back to Dashboard
Manage Jenkins
New Node
Configure Clouds
Node Monitoring

Node name: newslave

Permanent Agent

Adds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide a higher level of integration with these agents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical computer, virtual machines managed outside Jenkins, etc.

Build Queue

No builds in the queue.

Build Executor Status

1. Idle
2. Idle
Back on main jenkins node
Back on main jenkins node

Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ubuntu/.ssh/id_rsa.
Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:2b7hW3qtkqCDHRccz3q/ZbpYzYGra1nnt789hdWhjMQ
The key's randomart image is:

+----[RSA 2048]-----+
    . E .
    +. o . o
    o oo + o
    So... o
    . + . + o .
    o + oo==++ .
    +.==0o+o.o
    . 0==+ +B
+-----[SHA256]-----+
$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQD7TVGU/572LKcZo5opg1r84aTDMAa/mB+e/ZGQiur4Kvn0ytjMxLzkWYSxVbJJZx8VryPyhkbGkxYFEpEUD7Tx6yLNIAB1wDw2VL3fi0PUTdGfs4T+2O+Yz4uMA87L2+TnKGWc1lkU51BujjJo/wJb9gYg25boYxPl7KInLPQSd+ltyN5Y9YVR+26JfJEp7dpCR7tL98/Ab07whunQxu7lmQ+aQvRnR/9NC40PRo6gSYT6kNu0c5KNxWus7abq0nyWZjHQB1CPGEZpdRAEx5Ew4ZtmanEGhQdJlWYmpYqVFw1C9erj6o9wFwf1qGF10Ny7wPvv20qrJJ3aB

$ echo "Copy to clipboard"
Copy to clipboard
$
$ echo "on slave"
on slave
$ sudo su - jenkins
$
on slave

sudo su - jenkins

mkdir .ssh
cat >> .ssh/authorized_keys

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAABQD4F7EGfYx7Cn8GvODvDXy1Tm9p4/7xJ...

ubuntu@ip-172-31-71-47:
ubuntu@ip-172-31-71-47:~$ echo "ssh test from jenkins to slave"
ssh test from jenkins to slave
ubuntu@ip-172-31-71-47:~$ ssh jenkins@35.172.195.32
The authenticity of host '35.172.195.32 (35.172.195.32)' can't be established.
ECDSA key fingerprint is SHA256:0oWojhLiJJTEEE2+d3YIdkxWvLVrnVjyHaH7nfcq+zo.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '35.172.195.32' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 5.3.0-1034-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/advantage

System information as of Wed Sep 9 17:45:05 UTC 2020

System load: 0.0 Processes: 100
Usage of /: 23.3% of 7.69GB Users logged in: 0
Memory usage: 5% IP address for eth0: 172.31.72.182
Swap usage: 0%

7 packages can be updated.
7 updates are security updates.

The programs included with the Ubuntu system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

jenkins@ip-172-31-72-182:~$
If it didn't work, you cannot continue
$ sudo su - jenkins
$ ls
$ mkdir jenkins_slave
$
sudo su - jenkins
ls
mkdir jenkins_slave
ls
pwd
/home/jenkins
Now connect things through the jenkins web interface
<table>
<thead>
<tr>
<th>Name</th>
<th>newslave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>a slave node</td>
</tr>
<tr>
<td># of executors</td>
<td>1</td>
</tr>
<tr>
<td>Remote root directory</td>
<td>/home/jenkins/jenkins_slave</td>
</tr>
<tr>
<td>Labels</td>
<td></td>
</tr>
<tr>
<td>Usage</td>
<td>Only build jobs with label expressions matching this node</td>
</tr>
<tr>
<td>Launch method</td>
<td>Launch agents via SSH</td>
</tr>
</tbody>
</table>

**Node Properties**
- Keep this agent online as much as possible
**Jenkins**

**Nodes > newslave**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Host</td>
<td>35.172.195.32</td>
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<tr>
<td>Credentials</td>
<td>- none -</td>
</tr>
<tr>
<td>Host Key Verification</td>
<td>Known hosts file verification</td>
</tr>
<tr>
<td>Availability</td>
<td>Keep this agent online as much as possible</td>
</tr>
</tbody>
</table>

**Node Properties**

- Disable deferred wipeout on this node
- Environment variables
- Tool Locations

**Save**
Jenkins Credentials Provider: Jenkins

Add Credentials

Domain
- Global credentials (unrestricted)

Kind
- SSH Username with private key

Scope
- Global (Jenkins, nodes, items, all child items, etc)

ID

Description

Username

Private Key
- Enter directly

Passphrase

Add  Cancel

Save
ubuntu@ip-172-31-71-47:$ cat .ssh/id_rsa
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEA01RLP+e9iyGa0aKYNa/OGkwzAGv5gfnvR2kIrq+Cr5zsrYzMS85FmEsWySwcfFa8j8oZGxpMWBRKRF+08esizSAAdcA8NLS934tD1E3Rn8LOE/ttPmM+LjAP0y9vk4jShlNZZFOdQbo4yaP/8IyW8PYGINuW6GM5eyiJyz0EnfpbcjeWPWFUftuiXyRKe3YqQke7S/fPwG9O8IbpOMbu5ZpkPmkL0Z0f/TQguNDoao0EEmE+PDbjnOSjcVr02m6jpy8fMx0AdQjxhGaXUQBMeRMOGbZpxBoUHSSFmJsaWKLRc9NQxq4+qPbCch9ahhNYDcu8D779tKqySd2gQIDAQABIoIAc7its2znZ243Wnt/qaIytStOgsao1eXBOVMn+8sRSc6yhCm72EmH3ApHd/oq4RqZIITLiDcvwZ1aiz6BROZCaBUZ4LZWyqJW3VxKLSSTMk94SBVEHE+3xh9h6Rc6BA7sIVTdh233Wazdc9tsYdBXDPVtgDQ4PY3SqCnIEZ34DNLzVL6bM9URodV479pRUE1px48yiSoH5L/doZNXAT/oo0F60KeGawTMeF EVHHTGKuQpVK3gdqd6eEeBZGRKB0SKPK5lALkJvWiWuSnGpbkxlWLe1gNMGpJhW1Ua/LpWLkJpovYrjcy+03bdxvZMxn/gNjRrqbIB2aVODqECgyEAE8fo0VUyHEe4GIZmgo8o15IC4PHIkBM/Qs3o+U2H68SVY3U2VgSnPXbiamtFL+c2oVQC/pyEALFzfJXF1SWhf0JWwvSypSo+LaxGH0w/2R/okXyK9FrAqrkxhn8nl4GBoaprgPKAR0mXznsnSQ6HHaGcNzTambo8tcLOubecnDKHC8CgYEA35mkOqlMrpUyKva8qTpMj22KTqV4C5dncnd7ekkr8CvxLeYjxRj6CbVe8meuKS1MWeodN4SxZ+vnoNAJNDDXt6CrvYB+LPC6v+V/SKsmZfWZX81f77J7r55WP8+r+C3t95sEXvTd9RPUJegjJ41q2FMxLVmyE50axMtKdcBdCUCgYAPasYJFf2/EPHwFLQ0qa+GLWkpGFHltbPORvPLF65HvgaobW05Au0o7CDTL/amxAu2mI605p5UES0bf3hX8Ve3KwPtYymrHL8Yf3NSEoZvPtBb4ax+k+5j/33nOflXvWIRbYkJs776ss1g9f398mUjXYdpwft5la8nj+ZleLUyqNwQKBqB3d9gURmuTsDOFO8rsLAIMADMnPcR6LQMUb08UdqUrYoGUm2Pfzr0ypM0b3vrYXyamOI/ojtyPAG3mJ8AatpP+0CwUIKgd4AEBbnP9l7SeERX4r0Cgu3Rp3xlm+6+6go/K5ACJ27tb3ptUzC6980LLL+g6LbQanV18QP+OW4rHcJAzGBALhCdbX9EhTKwMBfHveRNCALHo3Kn/8GFFkgNcYc7Ur9zZRaysEpyJYI1Y+g+5RutfLltHtAAov2xeHu6coudM3r328fdhMiU8tw5QRfGCH6j4f3CV4GLrHAb/YNsqaAZQKW2CneLWgvdW6j0e9S8RoZ2d508t4qY/CeRURQyFh
-----END RSA PRIVATE KEY-----
Jenkins Credentials Provider: Jenkins

Add Credentials

Domain: Global credentials (unrestricted)
Kind: SSH Username with private key
Scope: Global (Jenkins, nodes, items, all child items, etc)
ID:
Description:
Username: jenkins
Private Key: Enter directly
Key: [value]
Passphrase:

Add | Cancel

Save
I should have named it something different... oops

I should have named it something different... oops
Agent newslave (a slave node)

This node is being launched. See log for more details

Relaunch agent

Projects tied to newslave

None
Jenkins > Nodes > newslave

OSTYPE=linux-gnu
PATH=/usr/local/sbin:/usr/sbin:/usr/local/bin:/usr/bin:/bin:/usr/games:/usr/local/games:/snap/bin
PIDS=([0=0])
PPID=8889
PS=+*
PWD=/home/jenkins
SHELL=/bin/bash
SHELLOPTS=braceexpand:hashall:interactive-comments
SHLVL=1
SSH_CLIENT='34.239.159.102 59452 22'
SSH_CONNECTION='34.239.159.102 59452 172.31.72.182 22'
TERM=dumb
UID=1001
USER=jenkins
XDG_RUNTIME_DIR=/run/user/1001
XDG_SESSION_ID=22

[09/09/20 17:50:06] [SSH] Checking java version of /home/jenkins/jenkins_slave/jdk/bin/java
Couldn't figure out the Java version of /home/jenkins/jenkins_slave/jdk/bin/java
bash: /home/jenkins/jenkins_slave/jdk/bin/java: No such file or directory

[09/09/20 17:50:06] [SSH] Checking java version of java
[09/09/20 17:50:00] [SSH] java -version returned 11.0.8.
[09/09/20 17:50:00] [SSH] Starting sftp client.
[09/09/20 17:50:00] [SSH] Copying latest remoting.jar...
[09/09/20 17:50:01] [SSH] Copied 1,522,833 bytes.
Expanded the channel window size to 4M
Sep 09, 2020 5:50:01 PM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /home/jenkins/jenkins_slave/remoting as a remoting work directory
Sep 09, 2020 5:50:01 PM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /home/jenkins/jenkins_slave/remoting
==[JENKINS REMOTING CAPACITY]==channel started
Remoting version: 4.3
This is a Unix agent
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by jenkins.slaves.StandardOutputSwapper$ChannelSwapper to constructor java.io.FileDescriptor(int)
WARNING: Please consider reporting this to the maintainers of jenkins.slaves.StandardOutputSwapper$ChannelSwapper
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
Evacuated stdout
Agent successfully connected and online

now configure build job to use slave and test it