

Run SSH Agent using a command on Master

August 25, 2017 13:08

Issue

I tested several methods to connect an Agent to a Master but none of those works
I would like to use native ssh client to connect to my Agents.
SSH plugin randomly disconnects.

Environment

- Jenkins
- Jenkins LTS
- CloudBees Jenkins Enterprise (CJE)
- SSH Slave plugin
- CloudBees SSH Agents

Resolution

You could launch the agent with a command in the master and use command line SSH to do that. It uses a SSH native command to make the tunnel. It could be a way to move forward while you diagnose the main issue.

Name

testManualLaunch

?

Description

?

of executors

1

?

Remote root directory

/jenkins-home-slave

?

Labels

?

Usage

Utilize this node as much as possible

?

Launch method

Launch slave via execution of command on the Master

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Launch command

ssh -i /ssh/test_rsa @127.0.0.1 "cd /jenkins-home-slave && curl -O http://cje.example.com:8080/jnlpJars/slave.jar && java -jar slave.jar"

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Availability

Keep this slave on-line as much as possible

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Node Properties

☐ Environment variables

☐ Exclude matrix parents from running on this slave.

☐ Node owners

☐ Only accept builds from approved folders

☐ Prepare jobs environment

☐ Tool Locations

☐ Use a custom probe command to determine if the node can take tasks

?

?

Save

Use this command to launch the Agent, you have to replace words in capitals by your own values

```
ssh -i PATH_TO_KEY_WITHOUT_PASSPHRASE USER@HOST "cd AGENT_HOME_DIR && curl -O http://JENKINS_URL/jnlpJars/slave.jar && java -jar slave.jar"
```

You need a RSA key without passphrase and need to add this key as authorised key on each Agent (~/.ssh/authorized_keys)


```
ssh-keygen -t rsa -f $HOME/.ssh/test_rsa
```

Use this command to add the key to authorized keys in Agent, so that you can access the Agent from Master using that key

```
ssh-copy-id -i$HOME/.ssh/test_rsa USER@HOST
```

runSSHAgentFromCommandOnMaster.png-498b123 (200 KB)

Have more questions? [Submit a request](#)

1 Comments		Date	Votes
<div><div>^</div><div>0</div><div>v</div></div>		John Seiberling	August 25, 2017 13:08
	I see that these launch commands have been running on the master for days. It appears they are persistent. Is this the expected behavior or are these threads lingering zombies that should not be present?		
	<div><div>⚙</div><div>▼</div></div>		

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