Jenkins Windows Slave Setup

From pitawiki

Deploying a Jenkins Slave as a Windows Service

It is advisable to make sure that the build environment is prepared on the slave machine and that all needed environment variables are set. The slave machine will definitely need to have Java installed. Anything environment requirements that the master machine uses for builds will be needed on the slave machines as well, assuming they are meant to build the same projects. The following are steps to set up a Jenkins slave machine to communicate and work with an already working master machine:

1. Log into the machine intended to be a slave
2. Run "Windows Services" as an Administrator
   1. Check that the "Remote Registry" service is running and listed as "automatic"
   2. Ensure that any previous Jenkins services are removed
3. Navigate to "Control Panel," "System and Security," "Windows Firewall," "Advanced Settings," and enter administrative credentials if prompted
   1. Select "Inbound Rules" on the left pane, then click "New Rule"
   2. Select the "Port" radio button and click next
   3. Make sure "TCP" is selected and enter 135 for the "Specific local port," then click "Next"
   4. Make sure that "Allow the connection" is checked and click "Next," then "Next" again
   5. Enter a name for the exception
   6. Repeat steps 3.1 through 3.5 for ports 139 and 145
   7. Create a "New Rule" and select the "Program" radio button, then click "Next"
   8. Select "This program path" and enter in the path "C:\WINDOWS\system32\dllhost.exe"
   9. Repeat steps 3.4 through 3.5 and then repeat steps 3.7 through 3.9 for the path "C:\Windows\system32\javaw.exe"
4. Open a browser from within the intended slave machine and log in with administrative privileges to the Master Jenkins machine
   1. Navigate to "Manage Jenkins," "Manage Nodes," "New Node"
   2. Enter a name for the slave machine (typically the name of the slave computer)
   3. Select the "Dumb Slave" radio button and press "Ok"
   4. Enter a "# of executors" value along with a local workspace path within "Remote FS Root." Good examples are 1 executor and a workspace directory of "C:\.jenkins"
   5. For "Launch method" select "Launch slave agents via Java Web Start"
   6. Select the desired slave machine availability and then press "Save"
5. Navigate to the main Jenkins page, and then select the newly created slave node on the left
   1. Click the orange "Launch" button and allow the Java execution to run
   2. When the created pop-up window reads "Connected" click "File" and then "Install as a Windows Service." Supply administrative credentials as necessary.
   3. Hopefully a message will pop up saying that the service started successfully. Check "Windows Services" for a service called "Jenkins Slave" to verify that it started

For additional help and troubleshooting visit Jenkins Slave Troubleshooting (https://wiki.jenkins-ci.org/display/JENKINS/Windows+slaves+fail+to+start+via+DCOM)

Retrieved from "https://pitawiki/wiki/index.php/Jenkins_Windows_Slave_Setup"

Category: Development Support

- This page was last modified on 2 November 2011, at 17:11.