Module 4: Continuous Integration With Jenkins

Demo Document - 2

edureka



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Demo 2: Add a slave node in your Jenkins.

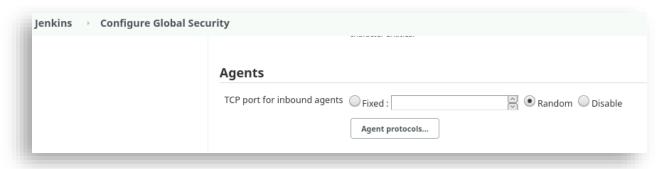
Step 1: Open Jenkins Dashboard and click on manage Jenkins.



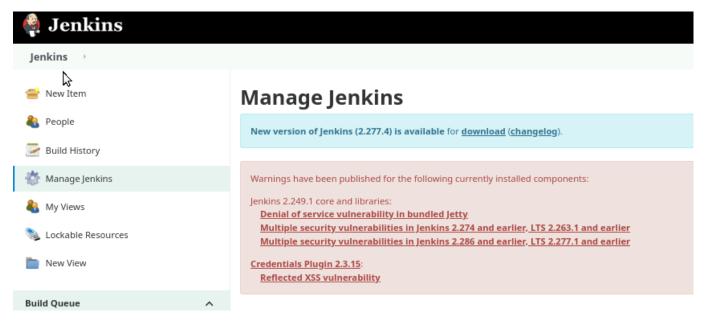
Step 2: Click on configure global security.



Step 3: Select random option for TCP ports for JLNP agents



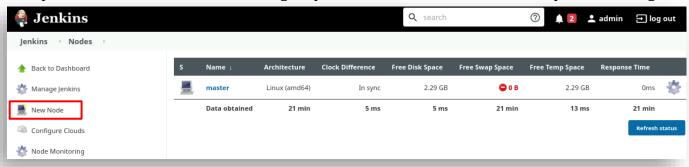
Step 4: Click on manage Jenkins.

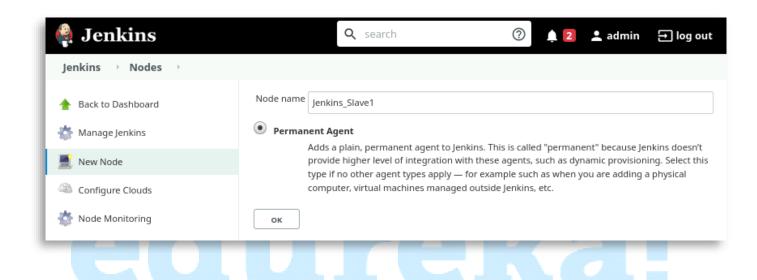


Step 5: Click on the Manage Nodes option.

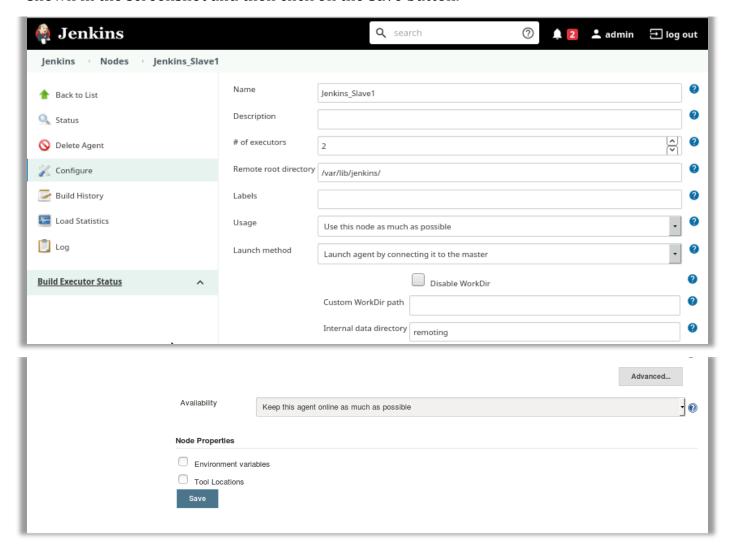


Step 6: Click on new node and then give your node a name and make it a permanent agent.





Step 7: Select the launch method as shown in the screenshot, and then set the availability as shown in the screenshot and then click on the Save button.



Step 8: Click on the name you have given to your slave node.



Step 9: Click on the agent.jar and download the file, and it should be present on the node which you want to add as a slave node.



Step 10: Copy the whole link and run it on the slave node which you want to add.



Step 11: Go to the slave node and download that agent.jar file on this node. Change the permission of that file.

Then the copied link from Jenkins master should be pasted here and replace the localhost with the IP address of the Jenkins master node. You will get the below output.

```
edureka@kslave1:~/Downloads$ cd /home/edureka/Downloads/
edureka@kslave1:~/Downloads$ ls
agent.jar
edureka@kslave1:~/Downloads$ sudo chmod 777 agent.jar
edureka@kslave1:~/Downloads$ sudo java -jar agent.jar -jnlpUrl http://localhost:8080/computer/Jenki
ns_Slave1/slave-agent.jnlp -secret 5b547bb5c5bc55b8563cd7c1958df8041c0fc11a2b0029130ee1b2634d3be78a
-workDir "/var/lib/jenkins/"
May 17, 2021 11:01:44 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /var/lib/jenkins/remoting as a remoting work directory
May 17, 2021 11:01:44 AM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /var/lib/jenkins/remoting
May 17, 2021 10:51:00 AM hudson.remoting.jnlp.Main createEngine
INFO: Setting up agent: Jenkins_Slave1
May 17, 2021 10:51:00 AM hudson.remoting.jnlp.Main$CuiListener <init>
INFO: Jenkins agent is running in headless mode.
May 17, 2021 10:51:00 AM hudson.remoting.Engine startEngine
INFO: Using Remoting version: 4.5
May 17, 2021 10:51:00 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /var/lib/jenkins/remoting as a remoting work directory
May 17, 2021 10:51:00 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Locating server among [http://localhost:8080/]
May 17, 2021 10:51:00 AM org.jenkinsci.remoting.engine.JnlpAgentEndpointResolver resolve
INFO: Remoting server accepts the following protocols: [JNLP4-connect, Ping]
May 17, 2021 10:51:00 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Agent discovery successful
  Agent address: localhost
  Agent port:
                   34855
  Identity:
                   23:a0:be:1a:4b:77:01:7d:60:7a:ce:14:26:d7:24:bc
May 17, 2021 10:51:00 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Handshaking
May 17, 2021 10:51:00 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to localhost:34855
May 17, 2021 10:51:00 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP4-connect
May 17, 2021 10:51:00 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Remote identity confirmed: 23:a0:be:la:4b:77:01:7d:60:7a:ce:14:26:d7:24:bc
May 17, 2021 10:51:01 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connected
```

Step 12: Go to your Jenkins master and check if your slave node is connected or not.

