

Jenkins installation and configuration on Linux(Ubuntu 14.04)

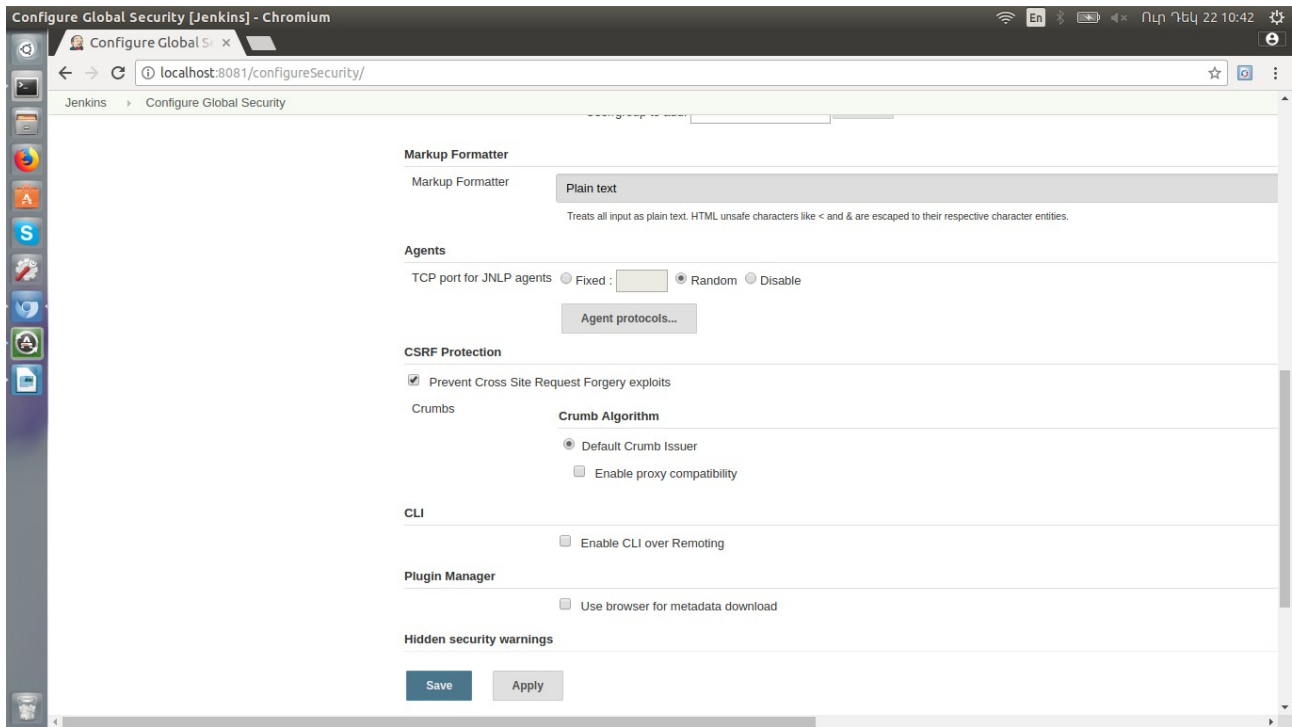
Jenkins has been installed on Ubuntu 14.14 using the following command:

```
sudo apt-get install jenkins
```

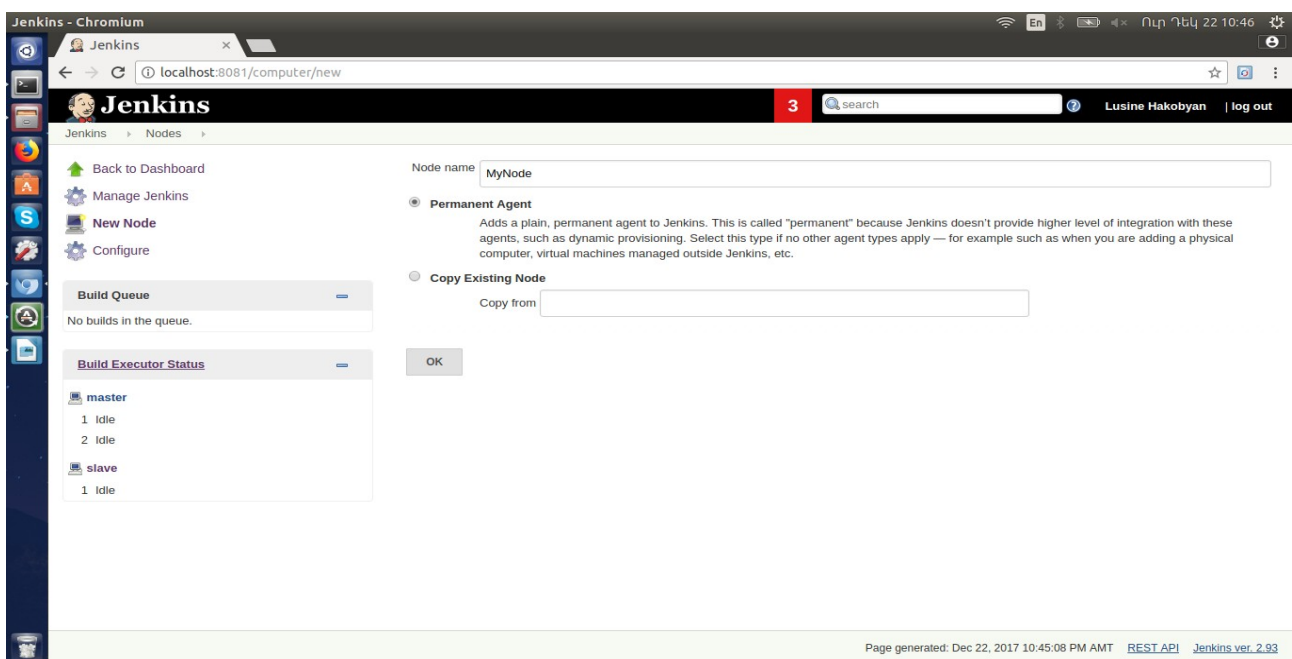
Port has been changed from the '/etc/default/jenkins' file, setting the value of HTTP_PORT=8081

For slave nodes creation there is need to do the same steps as in windows OS.

Go to Manage Jenkins → Configure Global security → set Agents to Random



Create slave node from → Manage Jenkins → manage Nodes → new Nodes . In the opened window specify node name, choose Permanent Agent and clock on 'OK' button.



Specify 'Remote directory name', Label, Launch method'

Jenkins - Chromium

localhost:8081/computer/createnode

Jenkins 3 search Lusine Hakobyan | log out

Jenkins > Nodes >

Back to Dashboard
Manage Jenkins
New Node
Configure

Build Queue
No builds in the queue.

Build Executor Status

master
1 Idle
2 Idle

slave
1 Idle

Name: MyNode

Description:

of executors: 1

Remote root directory: /home/lusine/myNode

Labels: ubuntu14.04

Usage: Only build jobs with label expressions matching this node

Launch method: Launch agent via Java Web Start

Disable WorkDir: ☐

Custom WorkDir path:

Internal data directory: remoting

Fail if workspace is missing: ☐

Advanced...

Availability: Keep this agent online as much as possible

Node Properties

Then there is need to download agent.jar and run the provided command from Linux terminal:

Nodes [Jenkins] - Chromium

localhost:8081/computer/

Jenkins 3 search Lusine Hakobyan | log out

Jenkins > Nodes >

Back to Dashboard
Manage Jenkins
New Node
Configure

Build Queue
No builds in the queue.

Build Executor Status

master
1 Idle
2 Idle

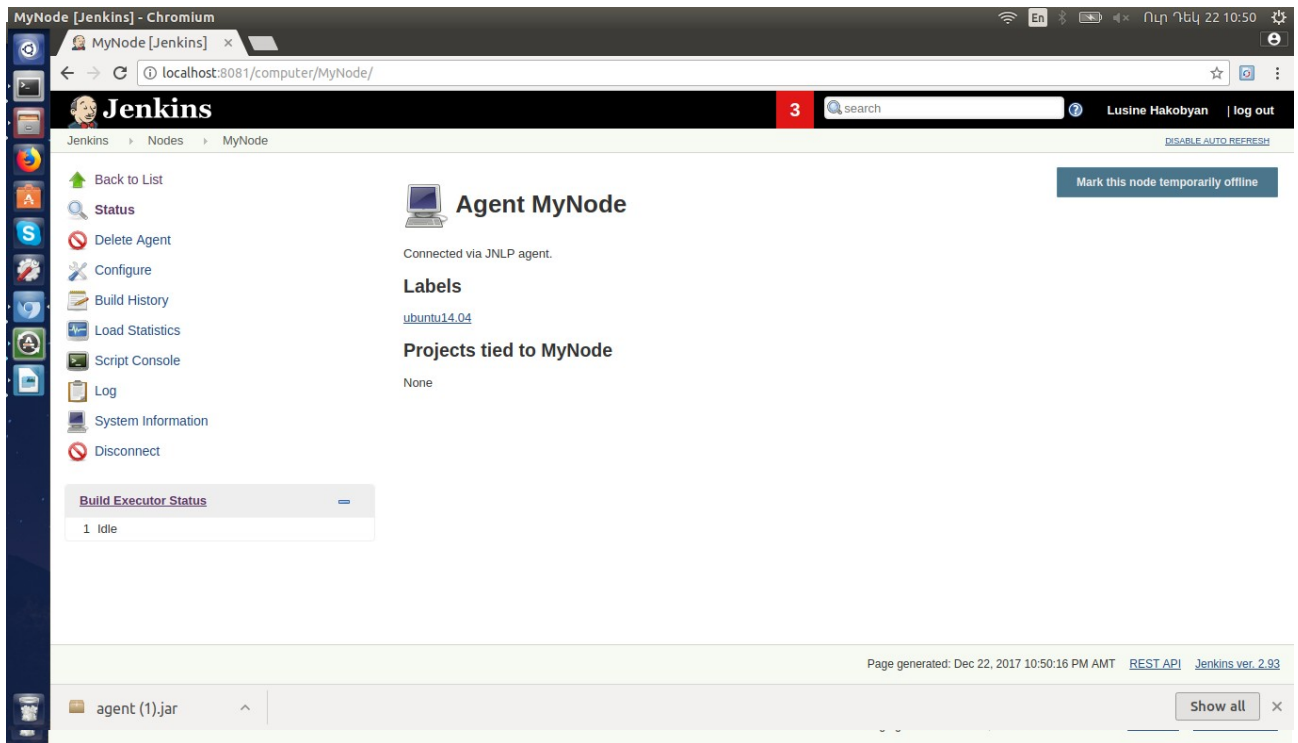
MyNode (offline)

slave
1 Idle

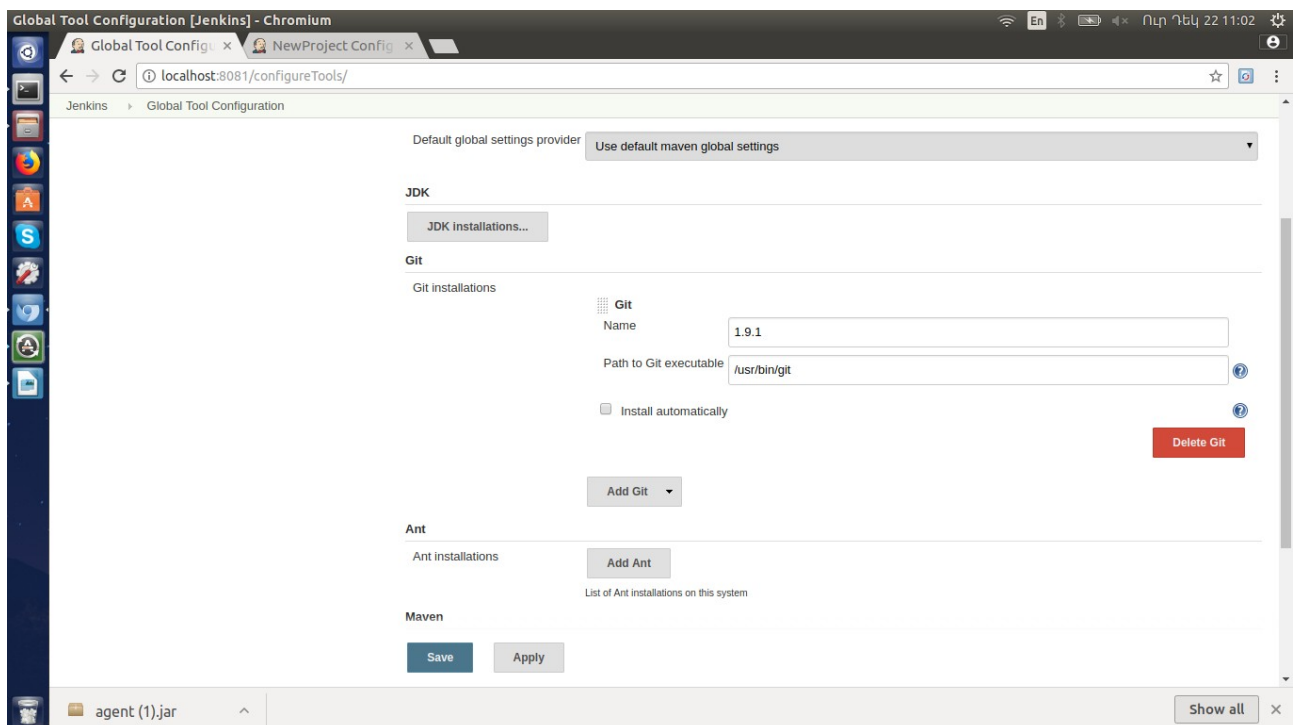
S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	master	Linux (amd64)	In sync	1.51 GB	1.81 GB	1.51 GB	0ms
	MyNode		N/A	N/A	N/A	N/A	N/A
	slave	Linux (amd64)	In sync	1.51 GB	1.81 GB	1.51 GB	1034ms
Data obtained			32 min	32 min	32 min	32 min	32 min

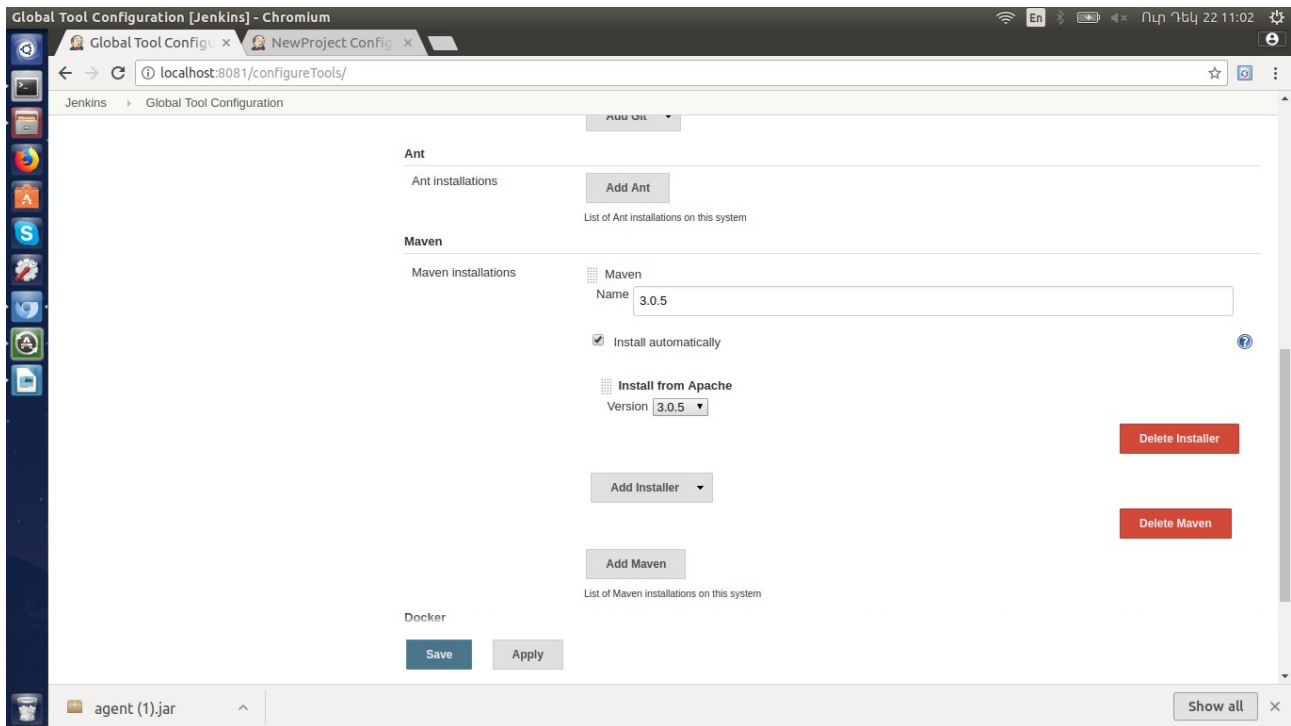
Refresh status

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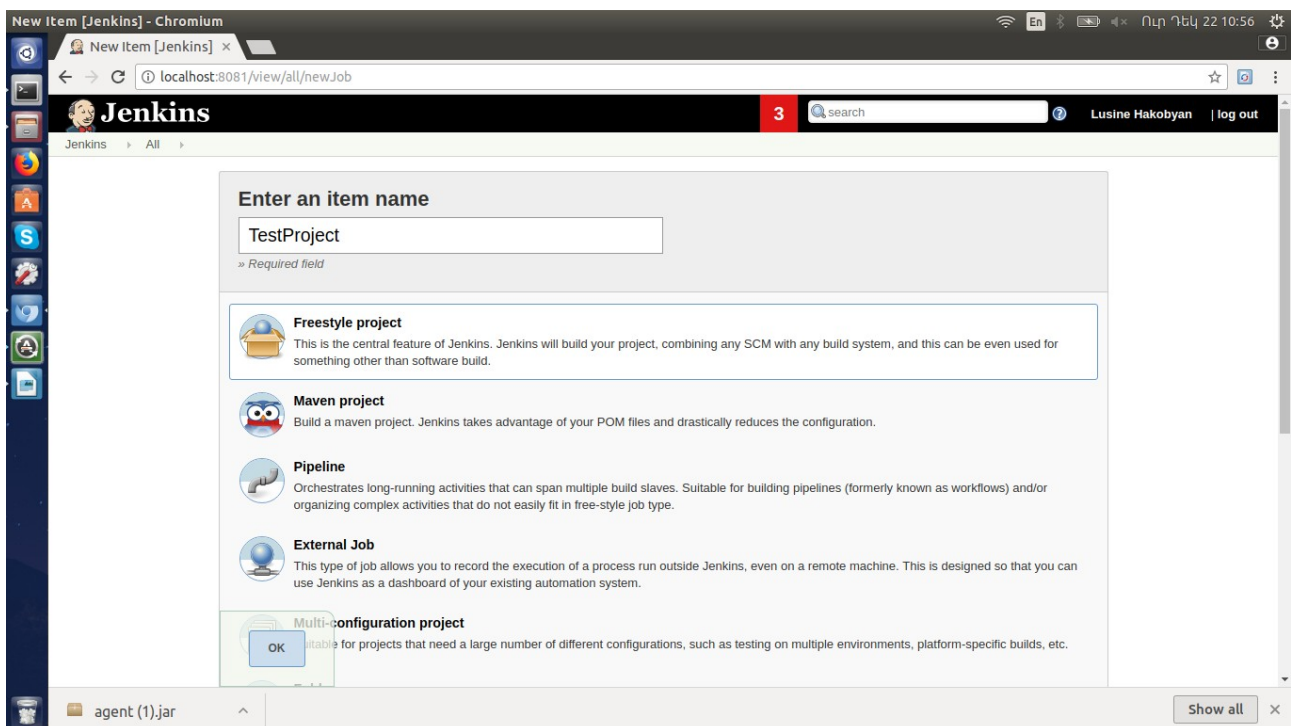


There is need to specify git and Maven paths and version from Manage Jenkins → Global Tool Configuration:

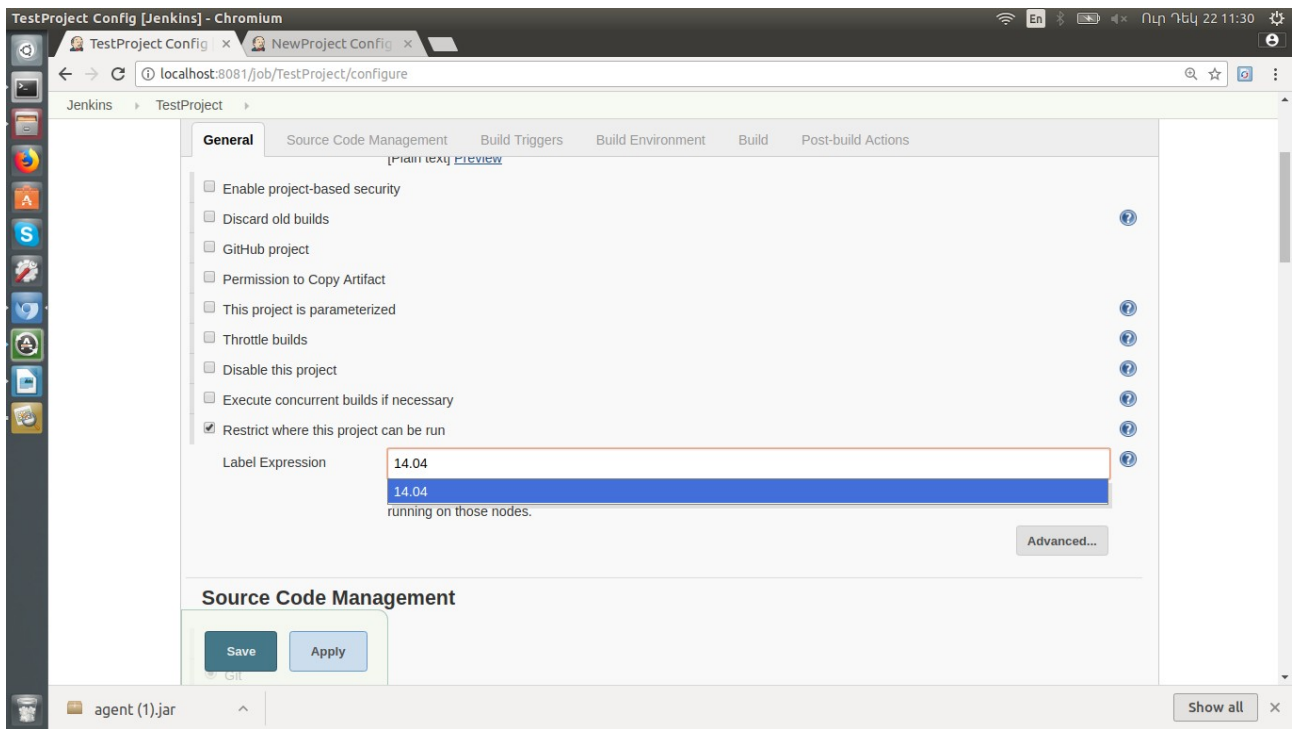




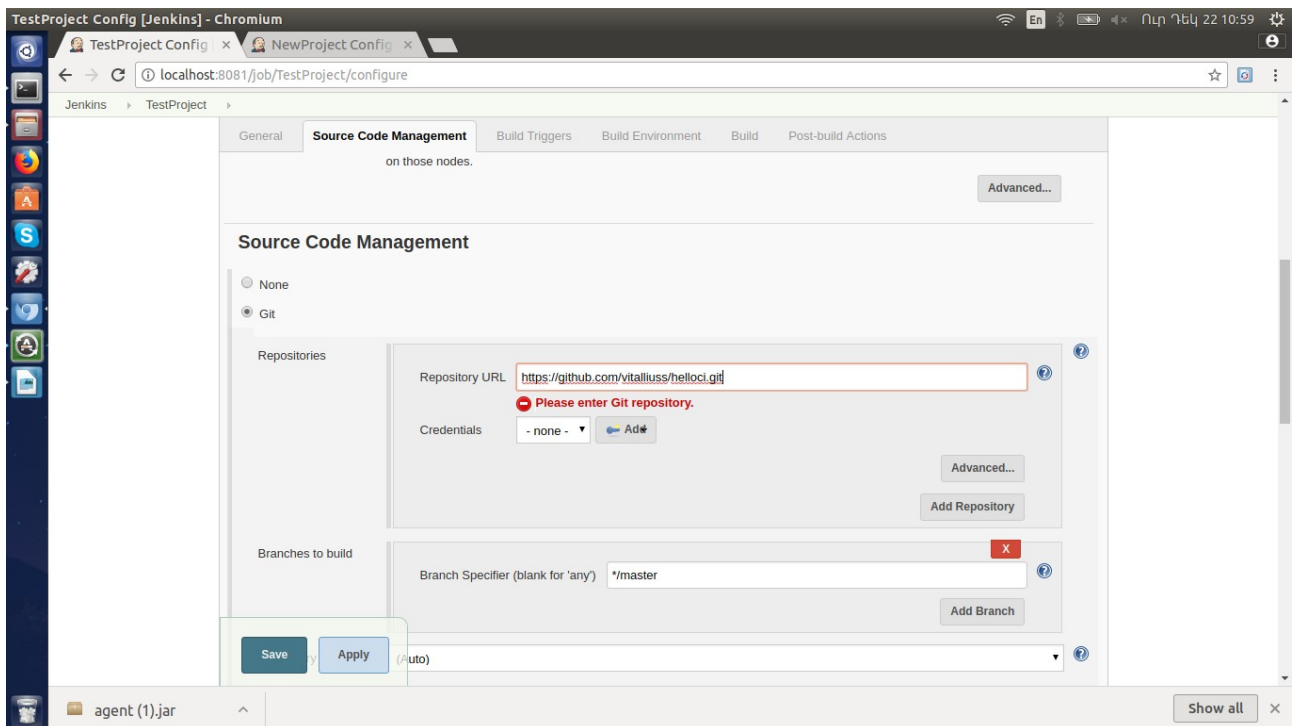
Create new project and configure jenkins to run only on slave node:. Go to Add Item, specify name of the project and select the type:



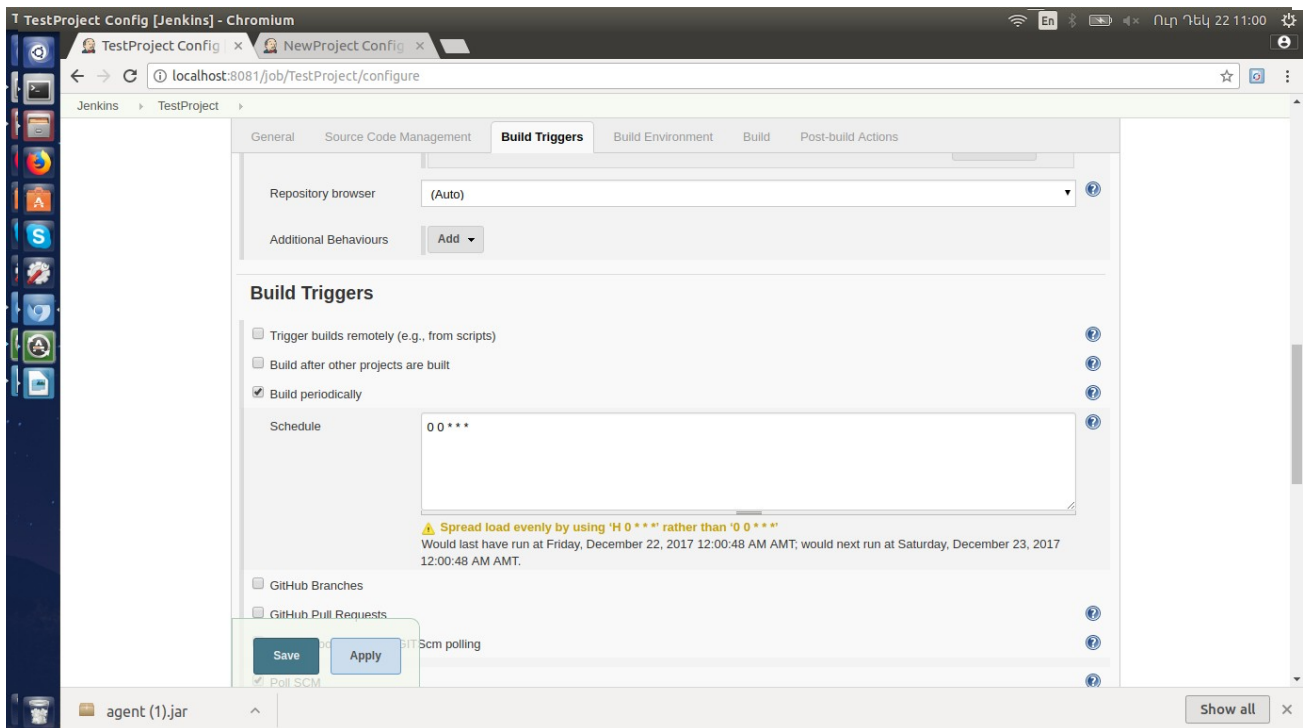
Configure the project to run only on slave node:



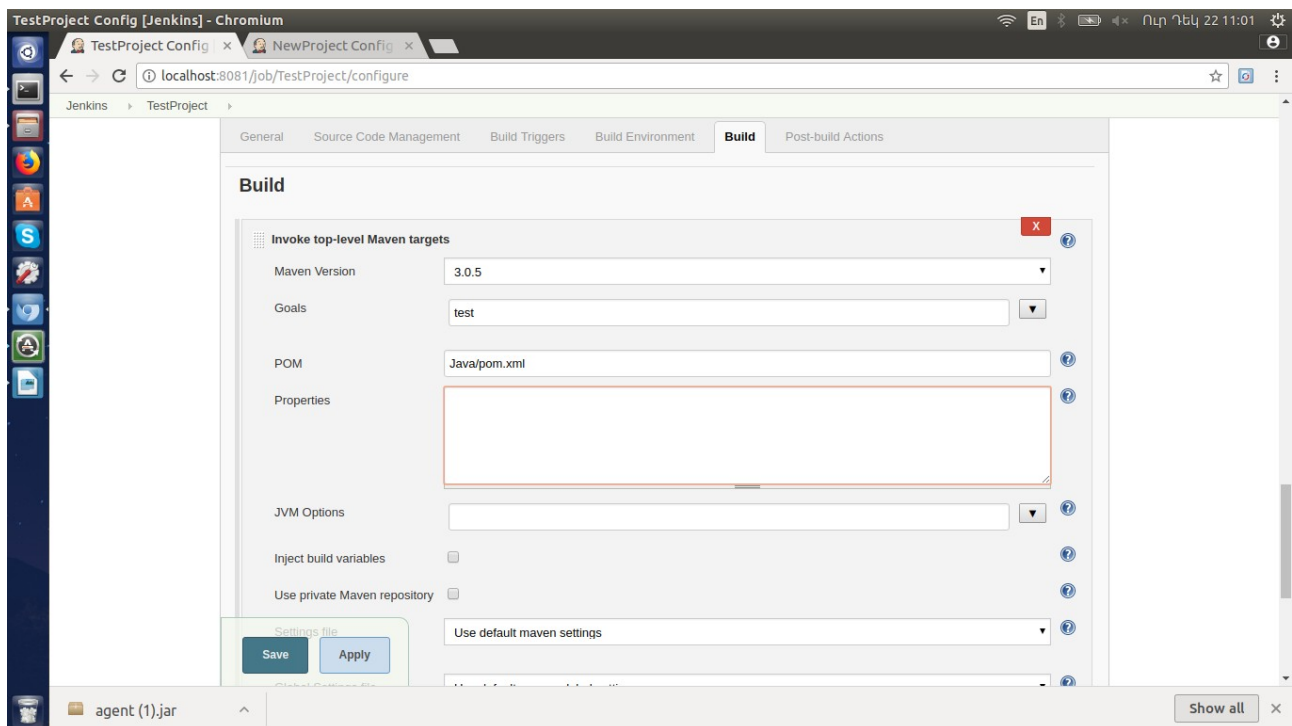
Specify path to GitHub project:



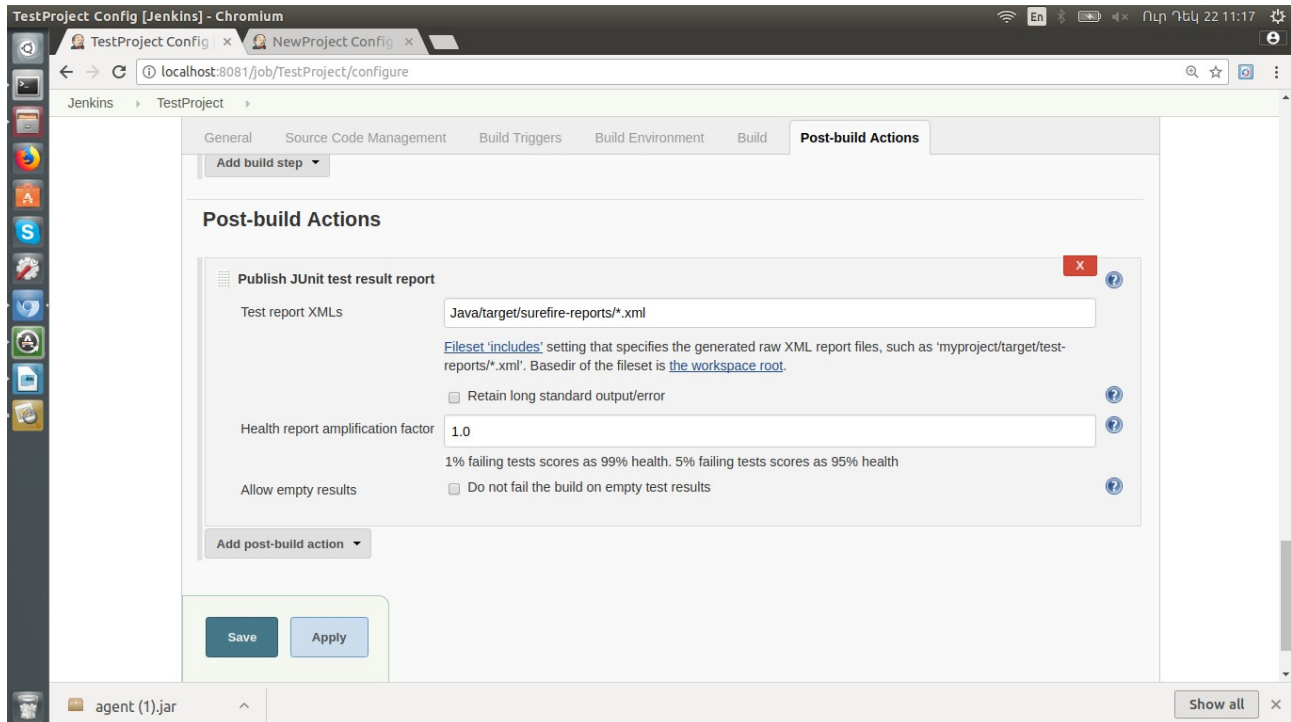
Configure build schedule:



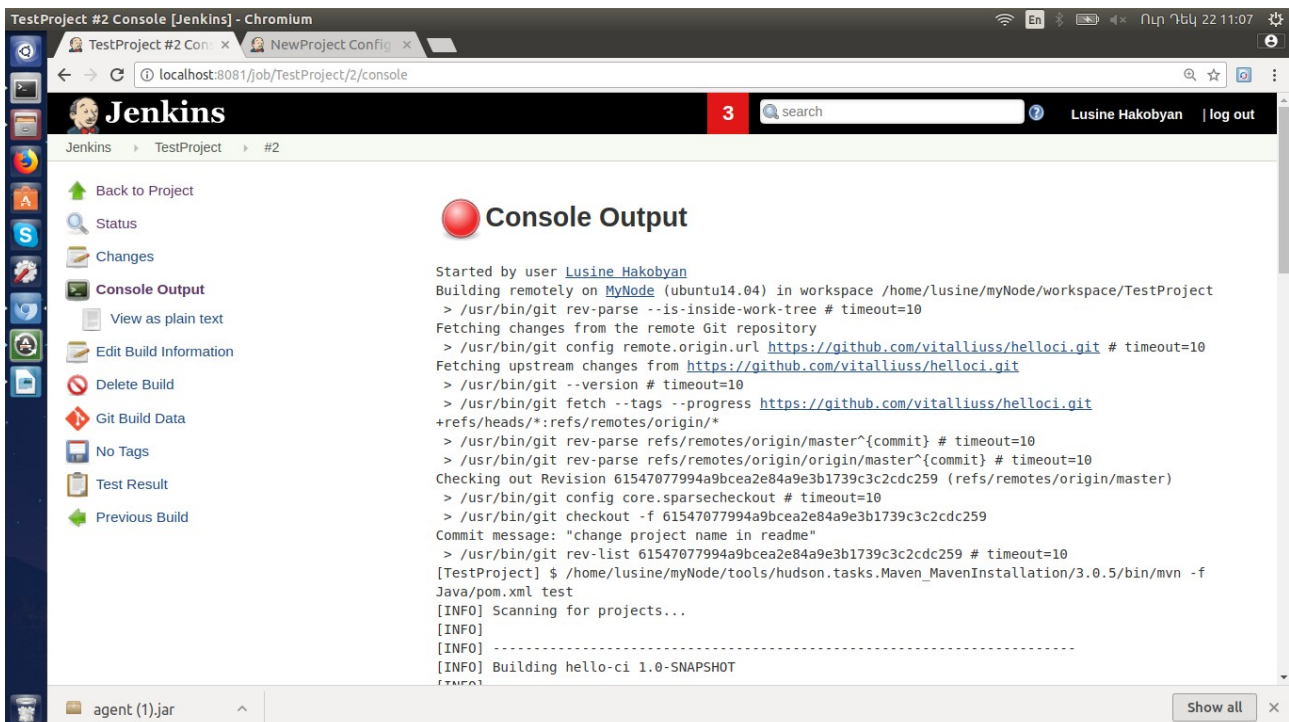
From Build choose 'Invoke top-level Maven Targets' . Set the goal 'test', and for the POM path to pom.xml(Java/pom.xml for this case):



For Junit reports generation



Build Project:



TestProject #2 Test Results [Jenkins] - Chromium

TestProject #2 Test x NewProject Config x

localhost:8081/job/TestProject/2/testReport/

Jenkins

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Jenkins > TestProject > #2 > Test Results

Back to Project
Status
Changes
Console Output
Edit Build Information
History
Git Build Data
No Tags
Test Result
Previous Build

Test Result

1 failures (±0) , 1 skipped (±0)

5 tests (±0)
Took 54 ms
[add description](#)

All Failed Tests

Test Name	Duration	Age
com.github.vitaliuss.helloci.AppTest.testShouldBeFailed	47 ms	2

All Tests

Package	Duration	Fail (diff)	Skip (diff)	Pass (diff)	Total (diff)
com.github.vitaliuss.helloci	53 ms	1	1	3	5

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agent (1).jar Show all

master [Jenkins] - Chromium

master [Jenkins] x NewProject Config x

localhost:8081/computer/(master)/

Jenkins

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Jenkins > Nodes > master

Back to List
Status
Configure
Build History
Load Statistics
Script Console

Master (the master Jenkins node)

Projects tied to master

None

Build Executor Status

- Idle
- Idle

Mark this node temporarily offline

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agent (1).jar Show all

14.04 [Jenkins] - Chromium

14.04 [Jenkins] x NewProject Config x

localhost:8081/label/14.04/

Jenkins

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Jenkins > 14.04

Back to Dashboard
Overview
Configure
Load Statistics

14.04

[add description](#)

Nodes

[MyNode](#)

Projects

S	W	Name	Last Success	Last Failure	Last Duration
		TestProject	N/A	25 min - #2	7.9 sec

Icon: [S](#) [M](#) [L](#)

[Legend](#) [RSS for all](#) [RSS for failures](#) [RSS for just latest builds](#)

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agent (1).jar Show all