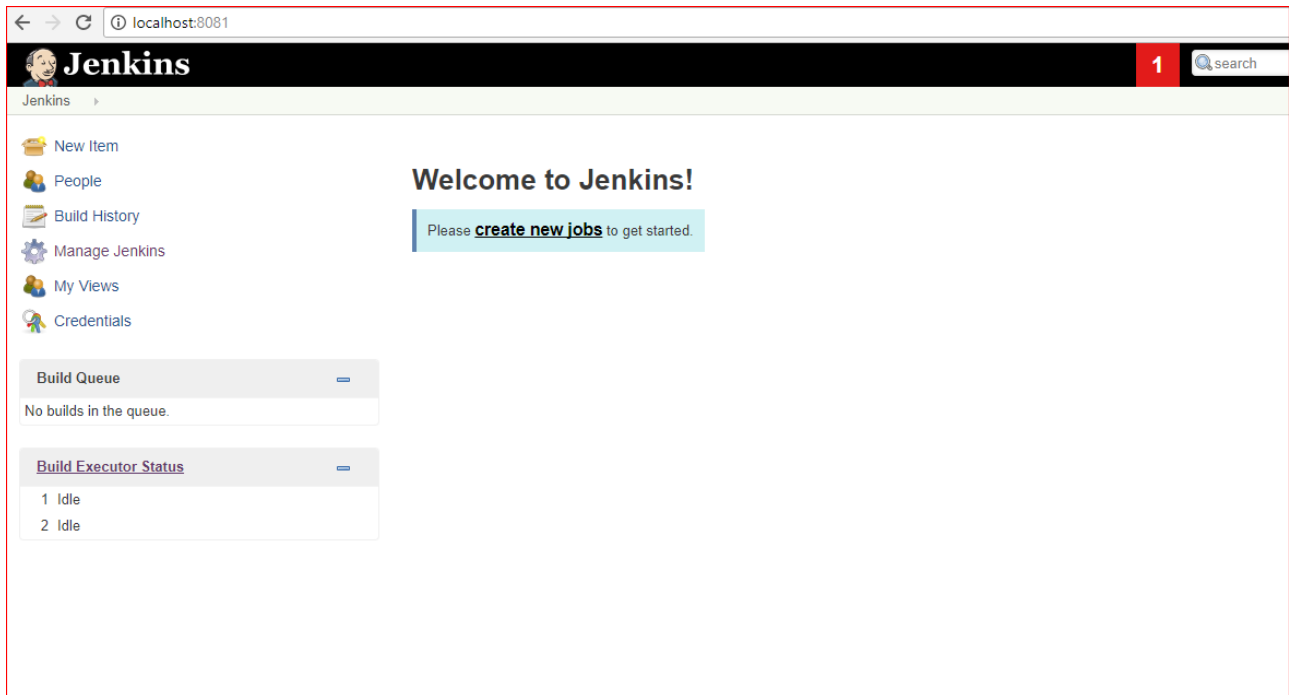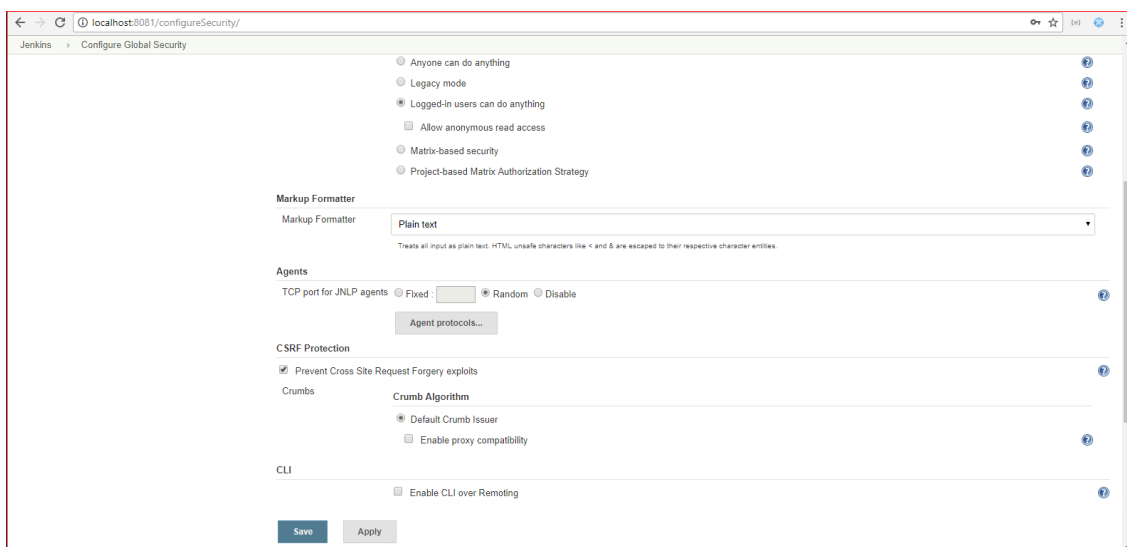*Install Jenkins server on local or remote machine, change port;*

Jenkins has been installed on Windows 10 machine. The port has been changed from the jenkins.xml file :--httpPort=8081
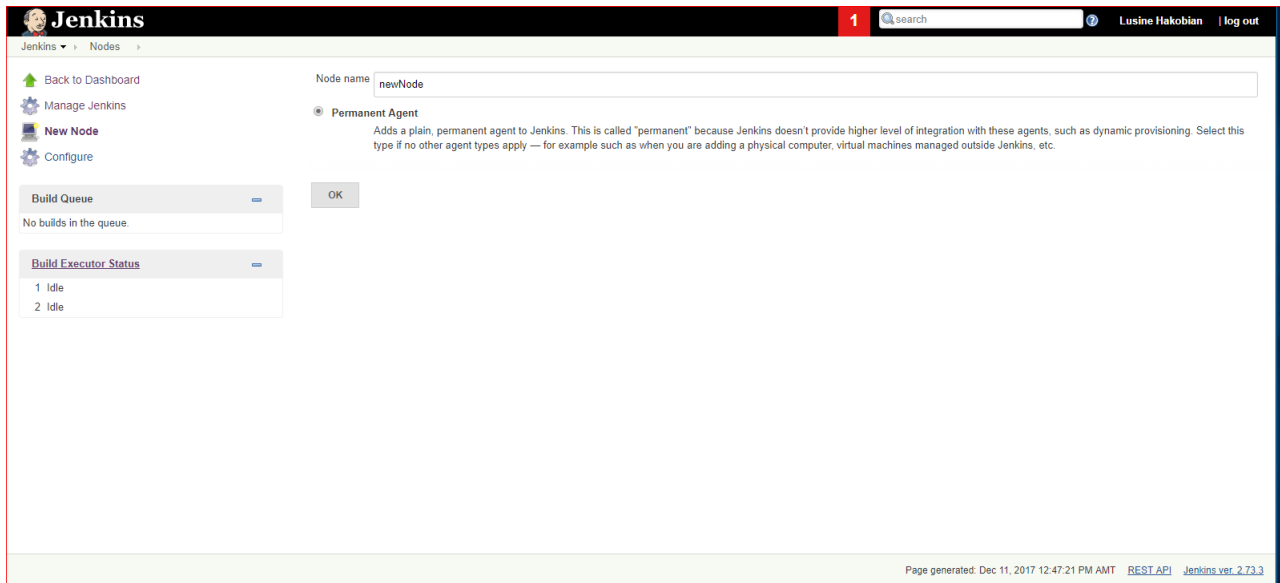

Create slave node on remote or local machine (you may use the same (one) machine for master and slave);

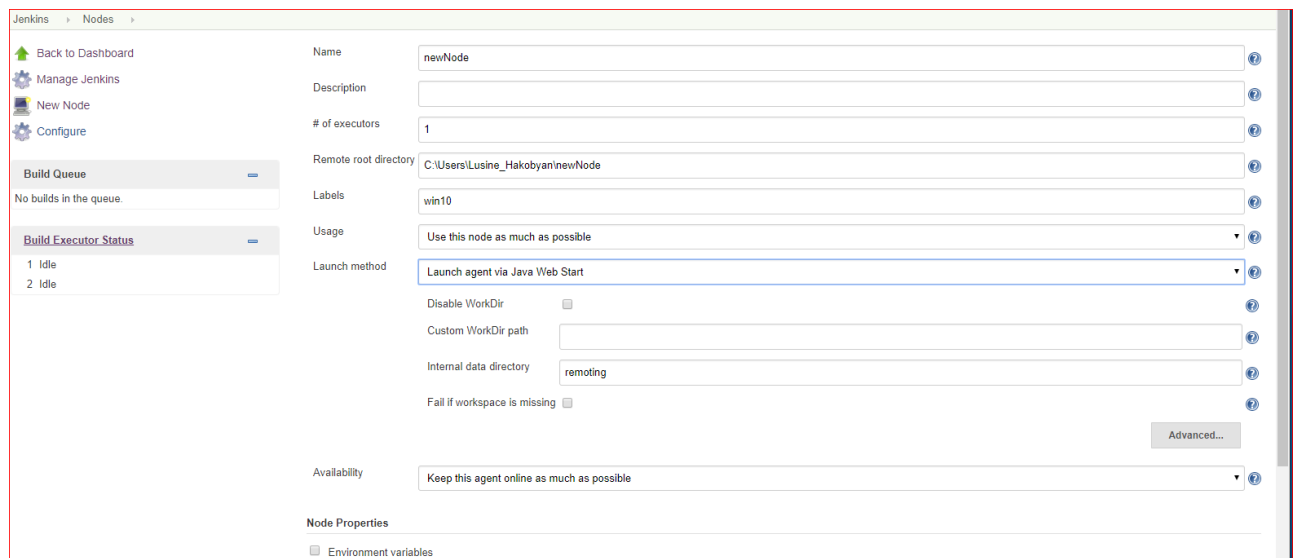- Go to Manage Jenkins → Configure Global Security → set Agents to random

- Create slave node: Go to Manage Jenkins → Manage nodes → New Node →

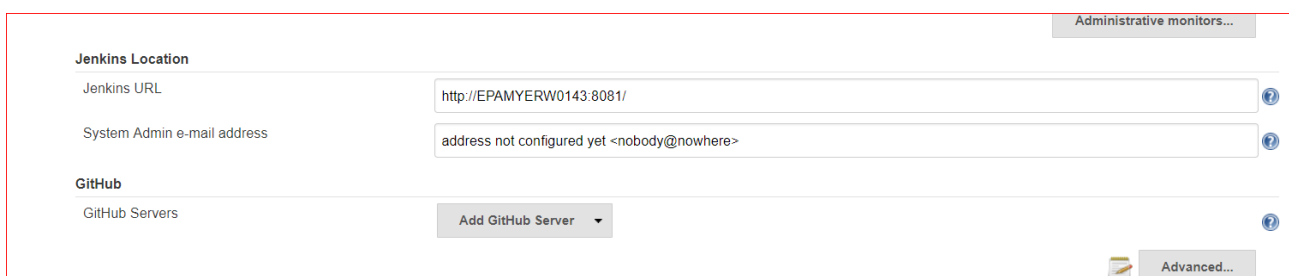set the name of slave node → Mark the Permanent Agent and click OK

- In the Opened window enter the node name, remote directory path, label, Launch method

- Go to Manage Jenkins → Configure System → set slave node name

- Download agent.jar from the opened window and run the mentioned command from command line:
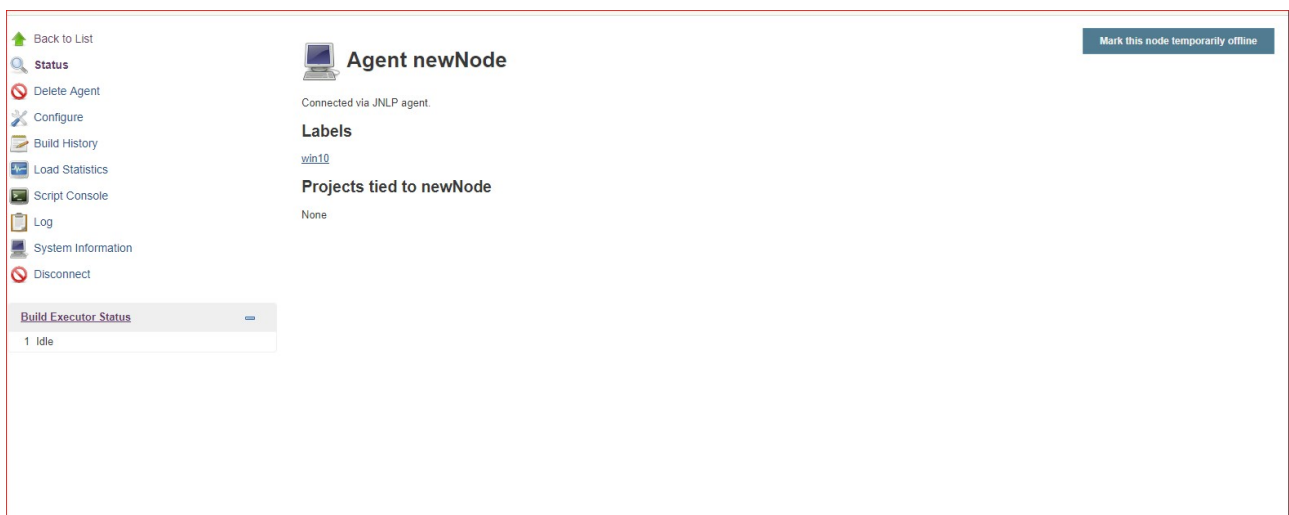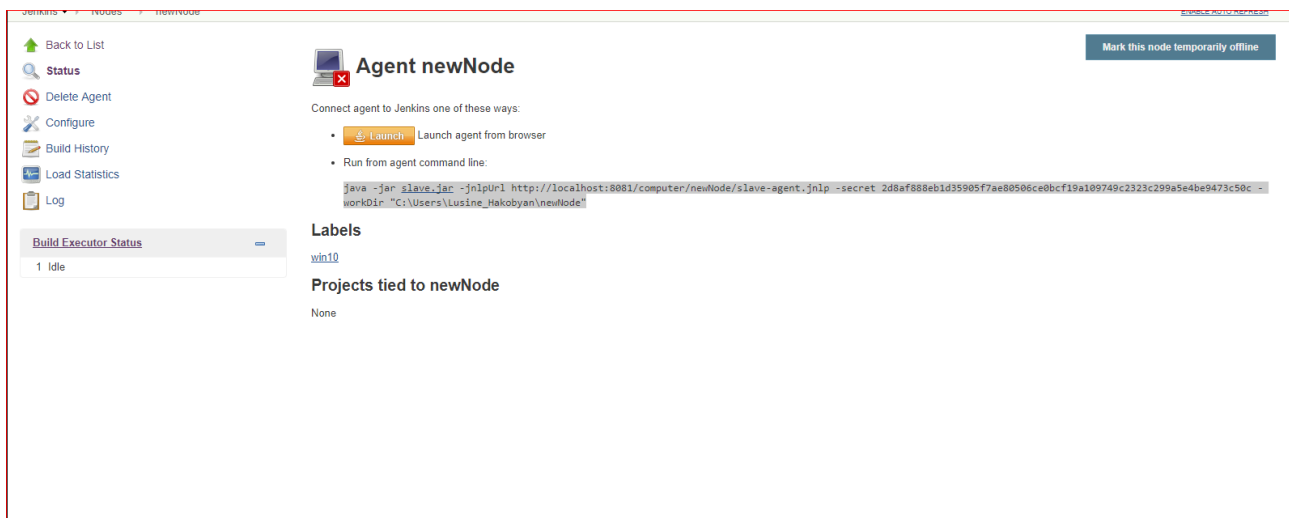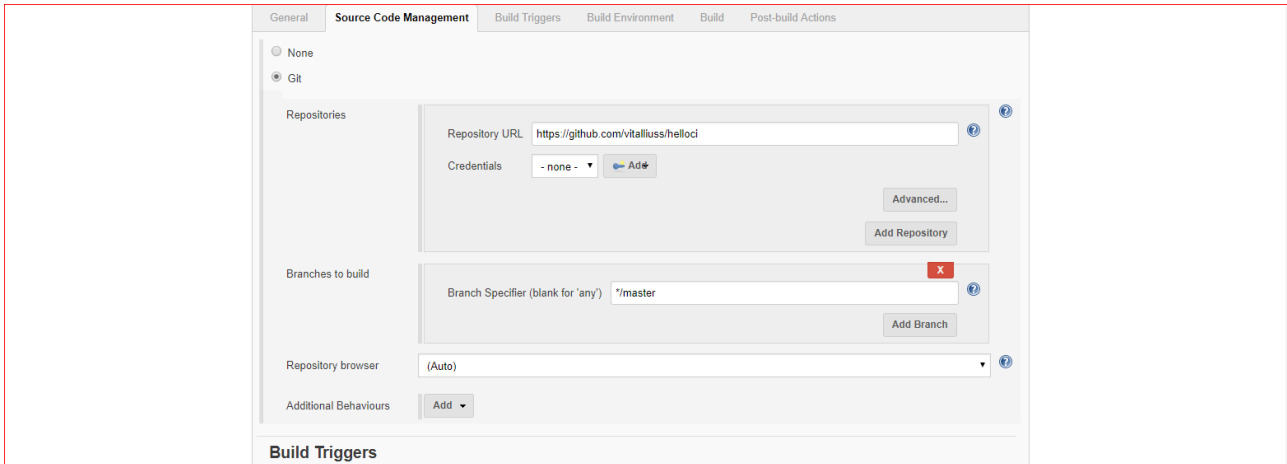
2. Job Configuration

Click on Create New Job → set the name, choose freestyle project.
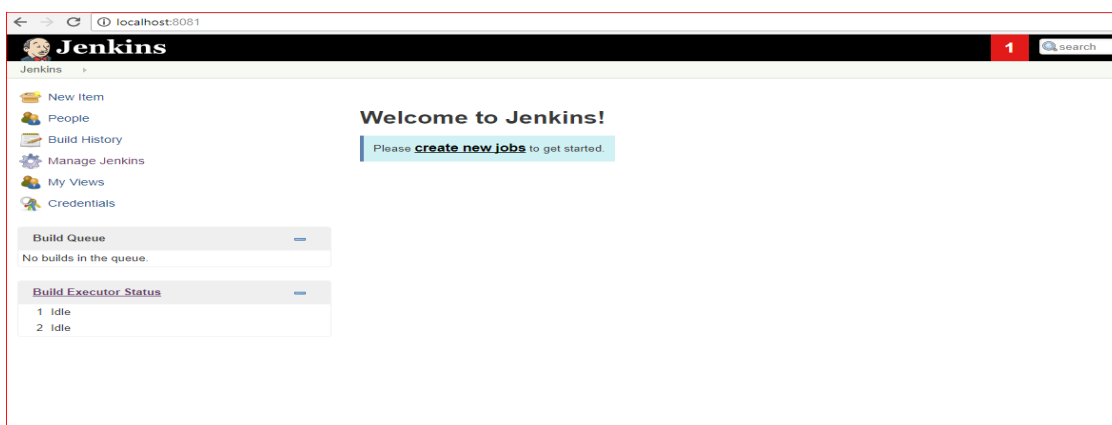
Make sure that Git plugin and GitHub plugin are installed.
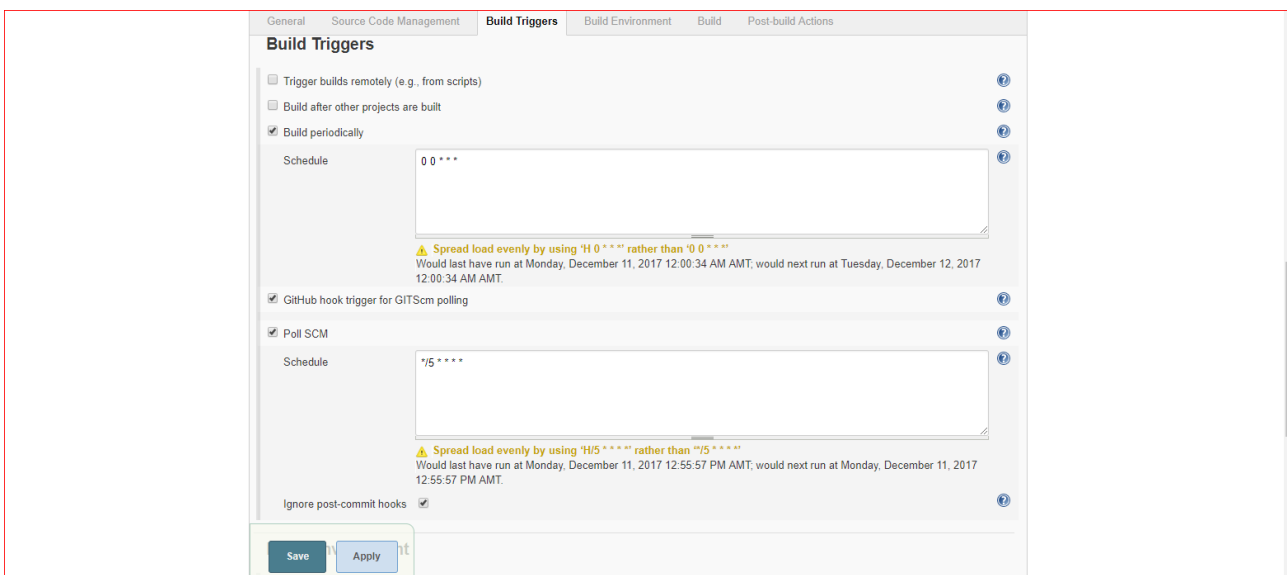
From Source Code Management select git and add path to the repository

From Git Triggers section select the following options:

- Build periodically – For the midnight builds

- GitHub hook trigger for GITScm polling and Poll SCM(check the checkbox Ignore post-commit hooks) – for the builds after commit to VSC

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)

Also we need to specify git, Maven paths and versions from Manage Jenkins → Global Tool Configuration.

Path to Git executable   C:\Program Files\Git\bin\git.exe

☐ Install automatically

Delete Git

Add Git ▼

Ant

Ant installations   **Add Ant**

List of Ant installations on this system

Maven

Maven installations   ▦ Maven

Name   3.5.2

MAVEN_HOME   C:\Users\Lusine_Hakobyan\Downloads\apache-maven-3.5.2-bin\apache-maven-3.5.2

☐ Install automatically

Delete Maven

Add Maven

List of Maven installations on this system

Docker

Docker installations   **Add Docker**

List of Docker installations on this system

Save   **Apply**

Job should run on slave only:

Connect project to slave node:

General   Source Code Management   Build Triggers   Build Environment   Build   Post-build Actions

Project name   newProject

Description

[Plain text] Preview

☐ Discard old builds

☐ GitHub project

☐ Permission to Copy Artifact

☐ This project is parameterized

☐ Throttle builds

☐ Disable this project

☐ Execute concurrent builds if necessary

☑ Restrict where this project can be run

Label Expression   newNode

Label newNode is serviced by 1 node

Advanced...

Source Code Management

○ None

◉ Git

Repositories

Save   **Apply**   Repository URL   https://github.com/vitalliuss/helloci

localhost:8081

- Back to Project
- Status
- Changes
- **Console Output**
  - View as plain text
- Edit Build Information
- Delete Build
- Git Build Data
- No Tags
- Previous Build

🔵 Console Output

```
Started by user Lusine Hakobian
Building remotely on newNode (win10) in workspace C:\Users\Lusine_Hakobyan\newNode\workspace\newProject
 > C:\Program Files\Git\bin\git.exe rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
 > C:\Program Files\Git\bin\git.exe config remote.origin.url https://github.com/vitalliuss/helloci # timeout=10
Fetching upstream changes from https://github.com/vitalliuss/helloci
 > C:\Program Files\Git\bin\git.exe --version # timeout=10
 > C:\Program Files\Git\bin\git.exe fetch --tags --progress https://github.com/vitalliuss/helloci +refs/heads/*:refs/remotes/origin/*
 > C:\Program Files\Git\bin\git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
 > C:\Program Files\Git\bin\git.exe rev-parse "refs/remotes/origin/origin/master^{commit}" # timeout=10
Checking out Revision 61547077994a9bcea2e84a9e3b1739c3c2cdc259 (refs/remotes/origin/master)
 > C:\Program Files\Git\bin\git.exe config core.sparsecheckout # timeout=10
 > C:\Program Files\Git\bin\git.exe checkout -f 61547077994a9bcea2e84a9e3b1739c3c2cdc259
Commit message: "change project name in readme"
 > C:\Program Files\Git\bin\git.exe rev-list 61547077994a9bcea2e84a9e3b1739c3c2cdc259 # timeout=10
Finished: SUCCESS
```

ENABLE AUTO REFRESH

- Back to List
- Status
- Delete Agent
- Configure
- Build History
- Load Statistics
- Script Console
- Log
- System Information
- Disconnect

Build Executor Status
1 Idle

🖥 Agent newNode

Mark this node temporarily offline

Connected via JNLP agent.

Labels

win10

Projects tied to newNode

S	W	Name ↓	Last Success	Last Failure	Last Duration	
🔵	☀	newProject	1 hr 34 min - #2	N/A	2.6 sec	⟳

Icon: S M L

Legend RSS for all RSS for failures RSS for just latest builds

---

🎩 Jenkins

search   Lusine Hakobian | log out

ENABLE AUTO REFRESH

- Back to List
- Status
- Configure
- Build History
- Load Statistics
- Script Console

Build Executor Status
1 Idle
2 Idle

🖥 Master (the master Jenkins node)

Mark this node temporarily offline

Projects tied to master

None