Assignment2- Jenkins Master Slave pipeline.

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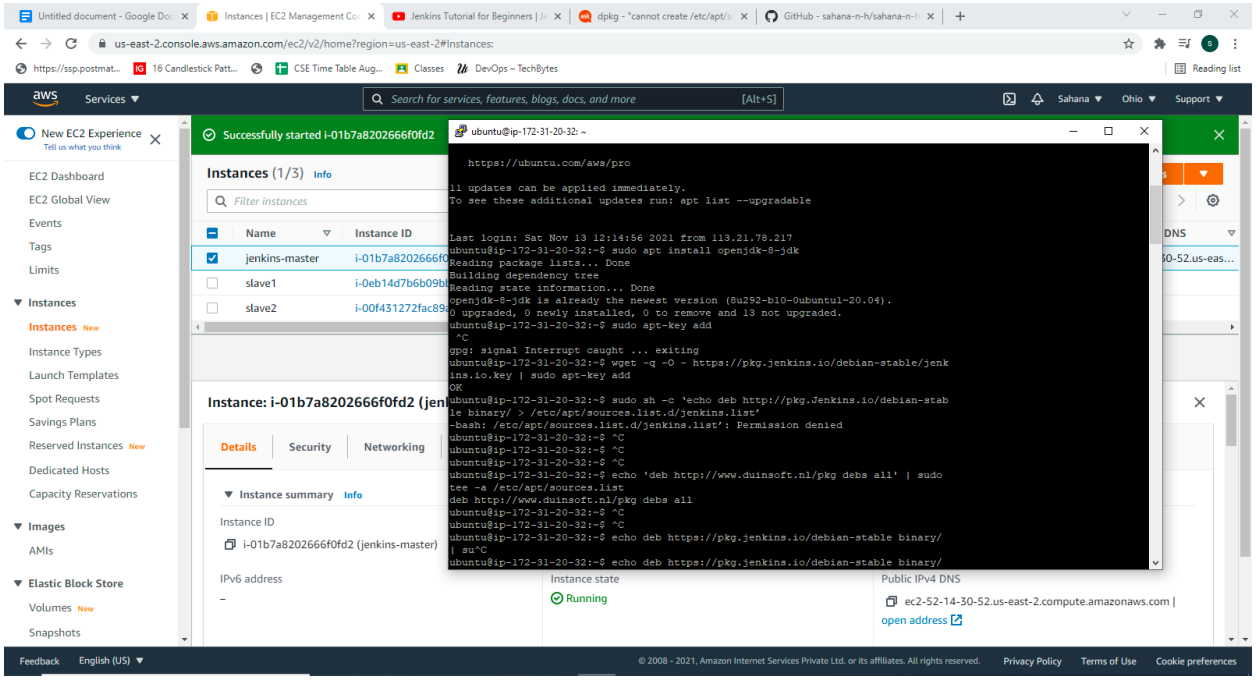
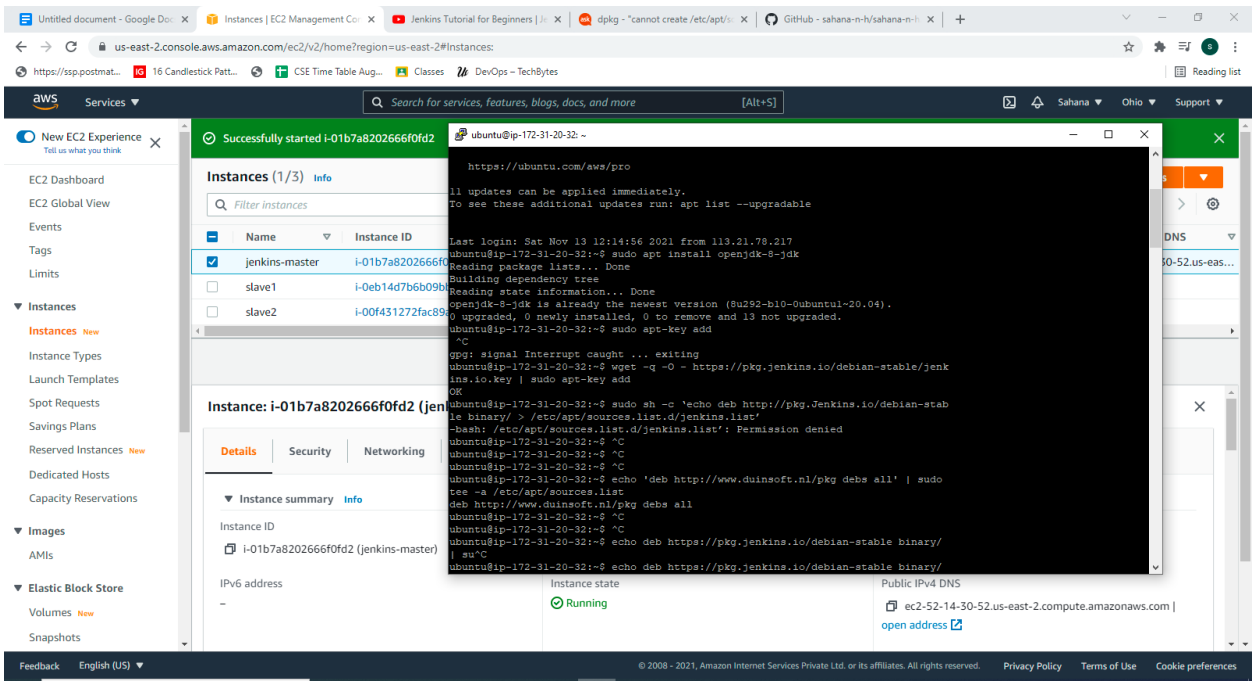
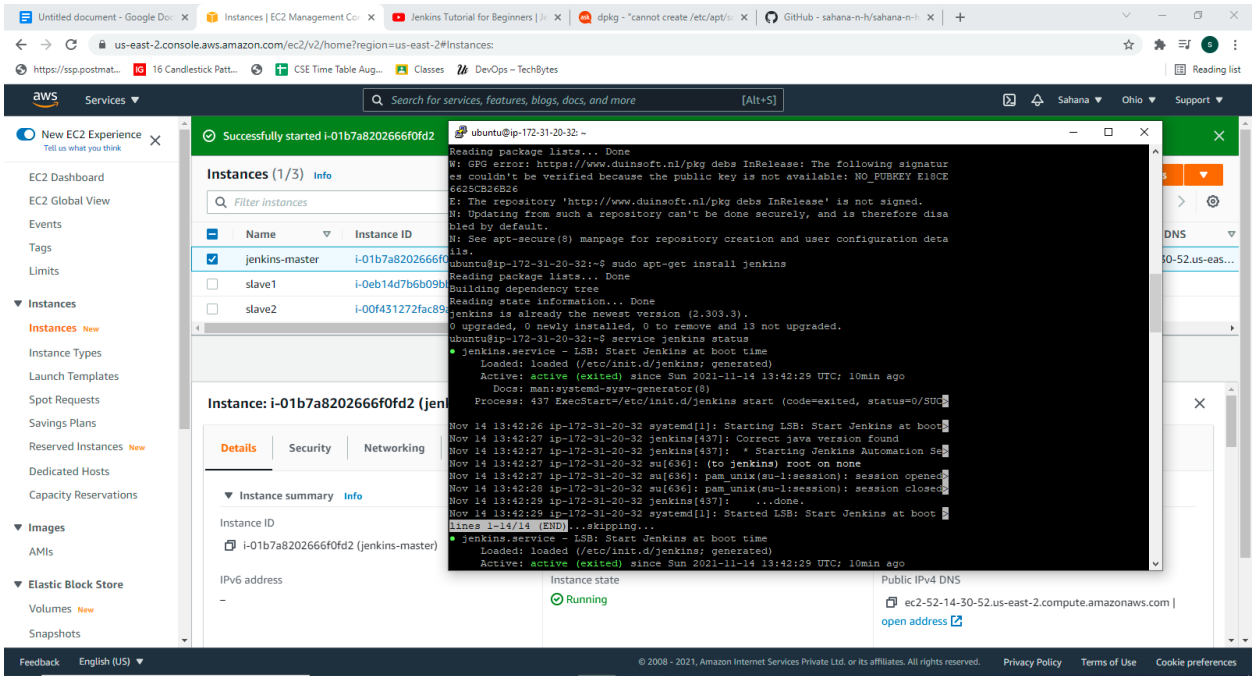
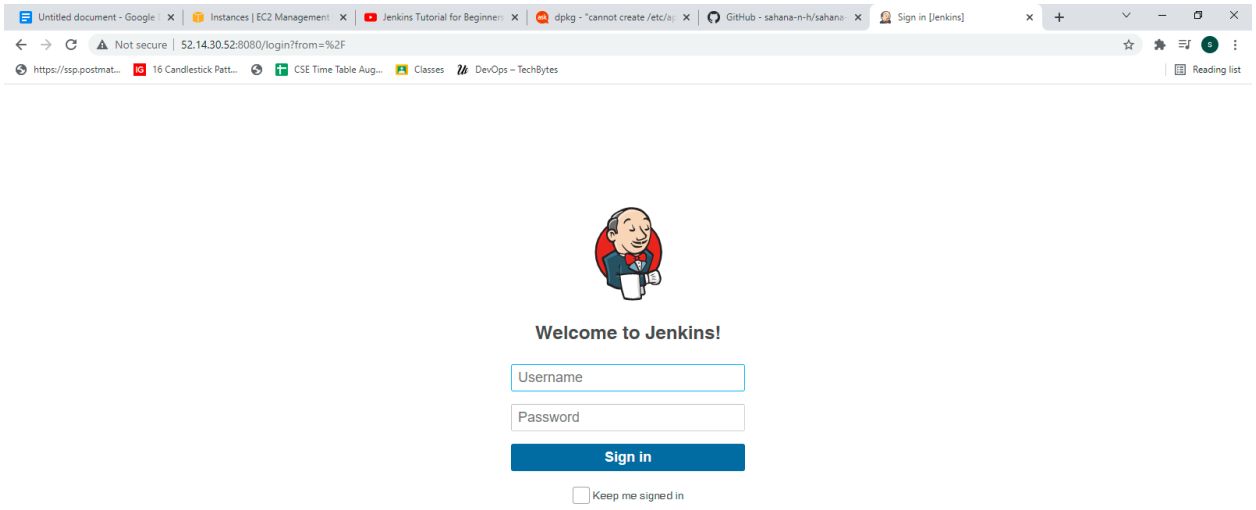
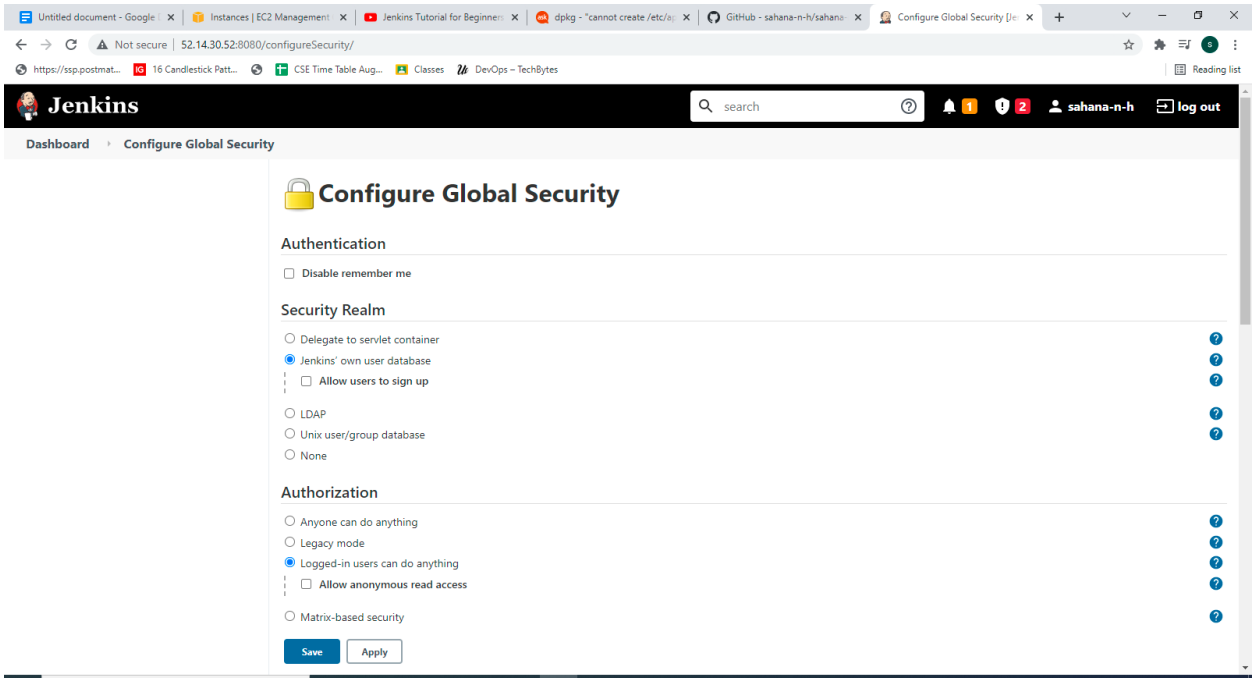
18BCS086
Team 11

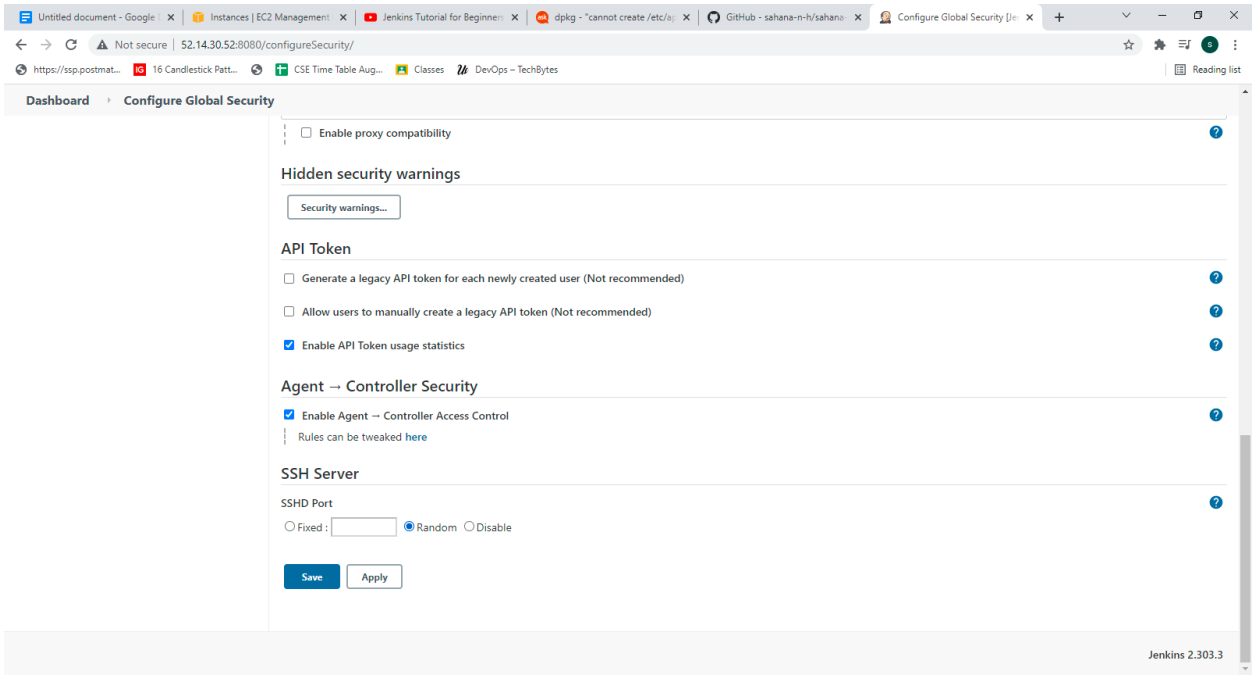


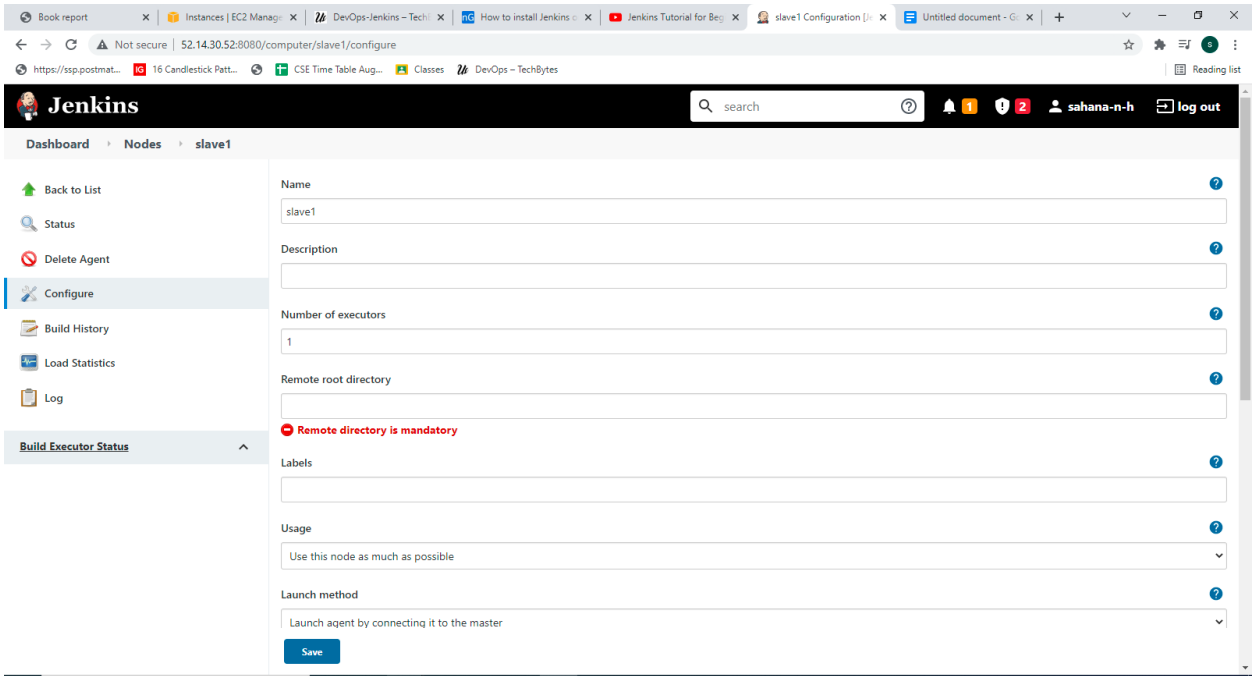


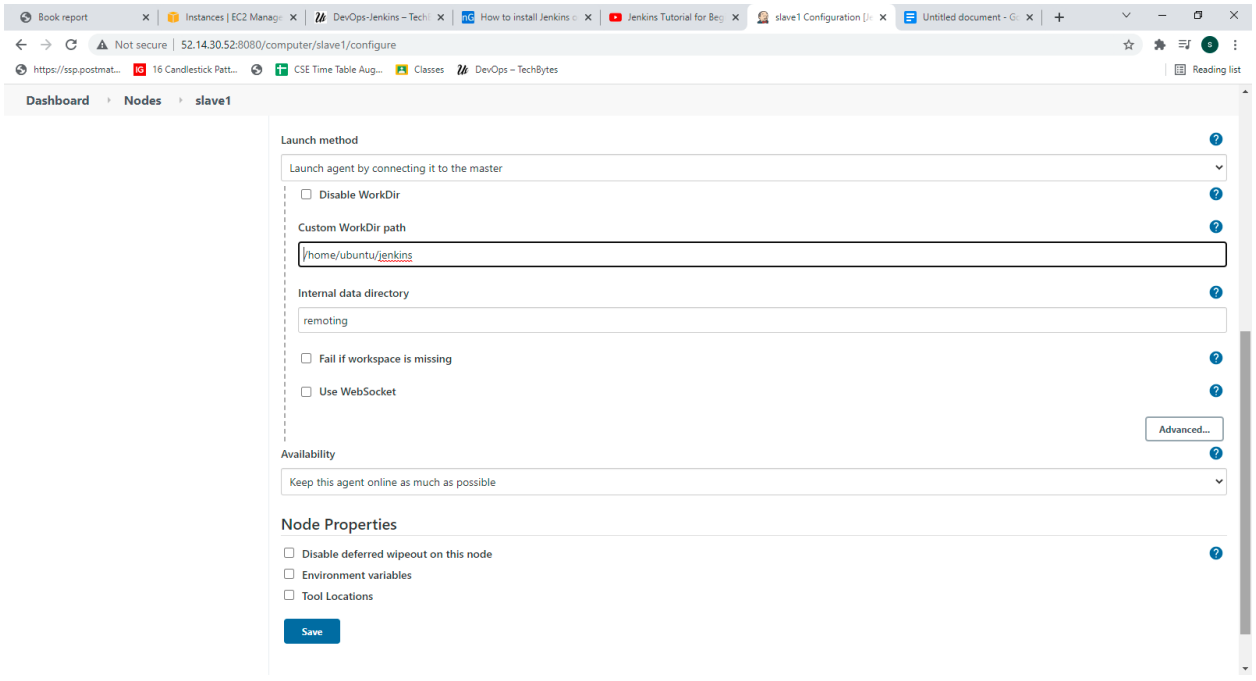

Successfully started i-01b7a8202666f0fd2
Instances (1/3) Info
jenkins-master
slave1
slave2
ubuntu@ip-172-31-20-32: ~
Reading package lists... Done
W: GPG error: https://www.duinsoft.nl/pkg debs InRelease: The following signatur
es couldn't be verified because the public key is not available: NO_PUBKEY E18CE
6625CB26B26
E: The repository 'http://www.duinsoft.nl/pkg debs InRelease' is not signed.
N: Updating from such a repository can't be done securely, and is therefore disa
bled by default.
N: See apt-secure(8) manpage for repository creation and user configuration deta
ils.
ubuntu@ip-172-31-20-32:~$ sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree
Reading state information... Done
jenkins is already the newest version (2.303.3).
0 upgraded, 0 newly installed, 0 to remove and 13 not upgraded.
ubuntu@ip-172-31-20-32:~$ service jenkins status
● jenkins.service - LSB: Start Jenkins at boot time
Loaded: loaded (/etc/init.d/jenkins; generated)
Active: active (exited) since Sun 2021-11-14 13:42:29 UTC; 10min ago
Docs: man:systemd-sysv-generator(8)
Process: 437 ExecStart=/etc/init.d/jenkins start (code=exited, status=0/SUC
Nov 14 13:42:26 ip-172-31-20-32 systemd[1]: Starting LSB: Start Jenkins at boot
Nov 14 13:42:27 ip-172-31-20-32 jenkins[437]: Correct java version found
Nov 14 13:42:27 ip-172-31-20-32 jenkins[437]: * Starting Jenkins Automation Se
Nov 14 13:42:27 ip-172-31-20-32 su[636]: (to jenkins) root on none
Nov 14 13:42:27 ip-172-31-20-32 su[636]: pam_unix(su-l:session): session opened
Nov 14 13:42:28 ip-172-31-20-32 su[636]: pam_unix(su-l:session): session closed
Nov 14 13:42:29 ip-172-31-20-32 jenkins[437]: ...done.
Nov 14 13:42:29 ip-172-31-20-32 systemd[1]: Started LSB: Start Jenkins at boot
lines 1-14/14 (END)...skipping...
● jenkins.service - LSB: Start Jenkins at boot time
Loaded: loaded (/etc/init.d/jenkins; generated)
Active: active (exited) since Sun 2021-11-14 13:42:29 UTC; 10min ago
Instance: i-01b7a8202666f0fd2
Details
Security
Networking
Instance summary Info
Instance ID
i-01b7a8202666f0fd2 (jenkins-master)
IPv6 address
Instance state
Running
Public IPv4 DNS
ec2-52-14-30-52.us-east-2.compute.amazonaws.com
open address


Not secure 52.14.30.52:8080/login?from=%2F
Welcome to Jenkins!
Username
Password
Sign in
Keep me signed in


Jenkins
search
sahana-n-h
log out
Dashboard
Configure Global Security
Configure Global Security
Authentication
Disable remember me
Security Realm
Delegate to servlet container
Jenkins' own user database
Allow users to sign up
LDAP
Unix user/group database
None
Authorization
Anyone can do anything
Legacy mode
Logged-in users can do anything
Allow anonymous read access
Matrix-based security
Save
Apply


Dashboard
Configure Global Security
Enable proxy compatibility
Hidden security warnings
Security warnings...
API Token
Generate a legacy API token for each newly created user (Not recommended)
Allow users to manually create a legacy API token (Not recommended)
Enable API Token usage statistics
Agent → Controller Security
Enable Agent → Controller Access Control
Rules can be tweaked here
SSH Server
SSHD Port
Fixed :
Random
Disable
Save
Apply
Jenkins 2.303.3


Book report
Instances | EC2 Manage
DevOps-Jenkins – Techl
How to install Jenkins
Jenkins Tutorial for Beg
slave1 Configuration [Je
Untitled document - Go
Not secure | 52.14.30.52:8080/computer/slave1/configure
https://ssp.postmat...
16 Candlestick Patt...
CSE Time Table Aug...
Classes
DevOps – TechBytes
Reading list
Jenkins
search
1
2
sahana-n-h
log out
Dashboard
Nodes
slave1
Back to List
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Name
slave1
Description
Number of executors
1
Remote root directory
Remote directory is mandatory
Labels
Usage
Use this node as much as possible
Launch method
Launch agent by connecting it to the master
Save


Book report
Instances | EC2 Manage
DevOps-Jenkins – Techl
How to install Jenkins
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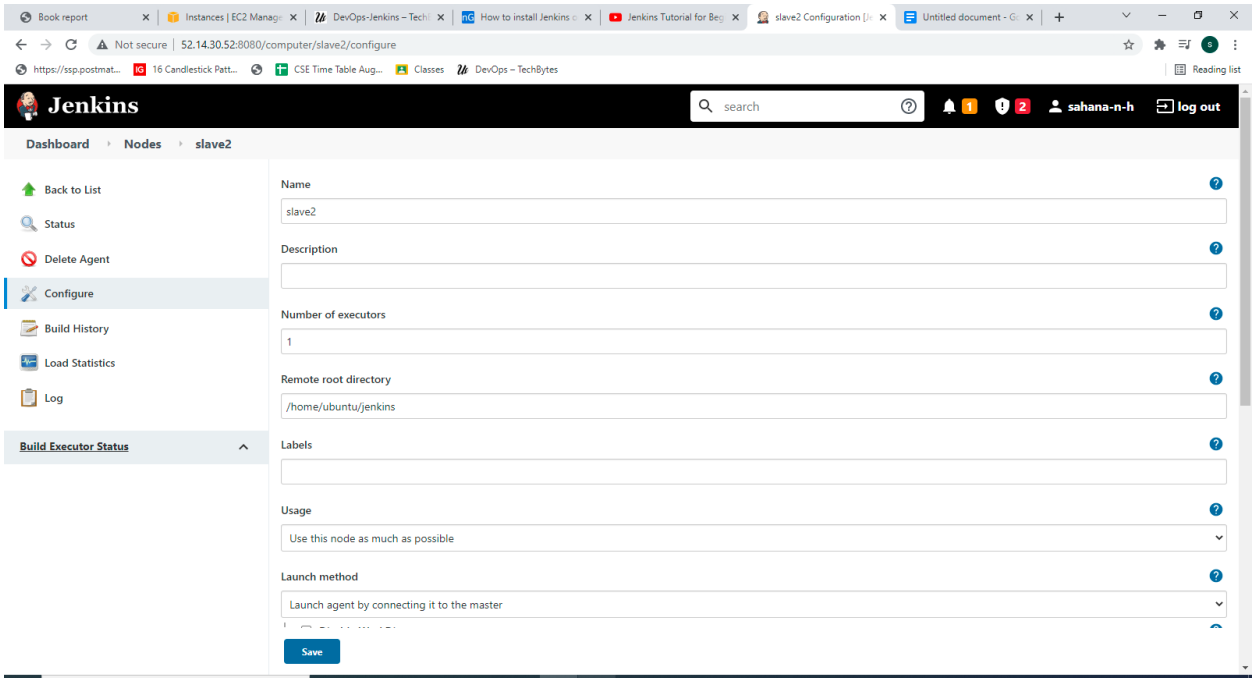
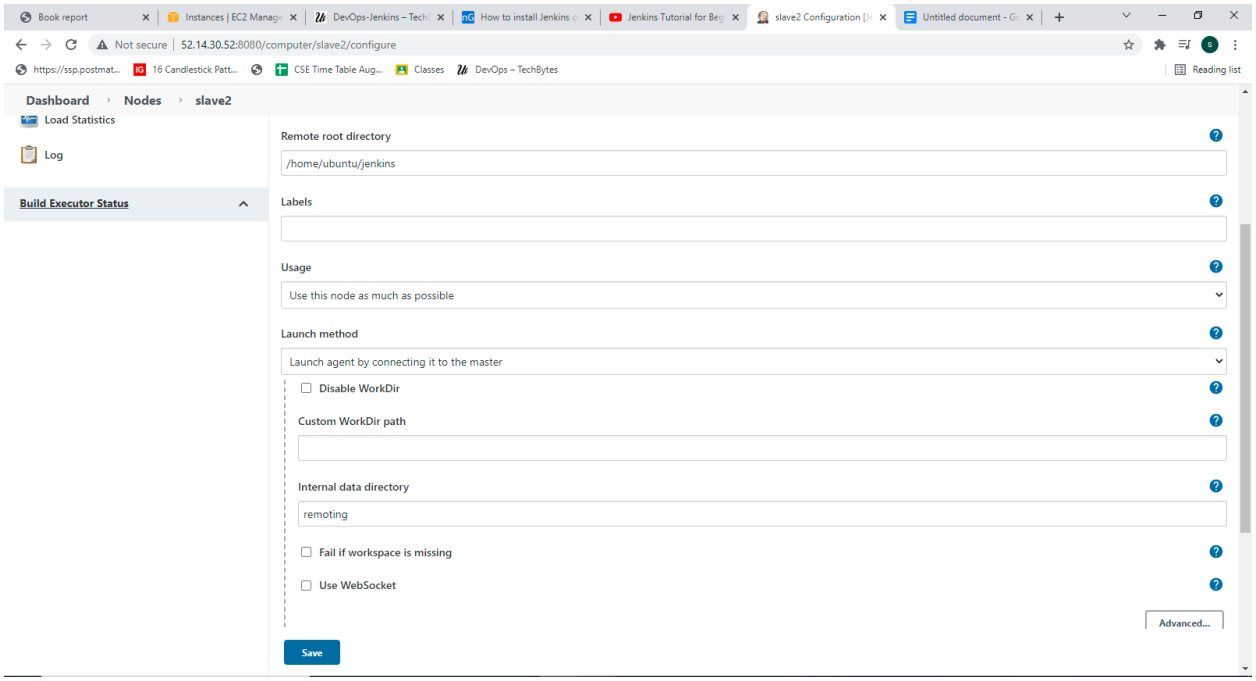
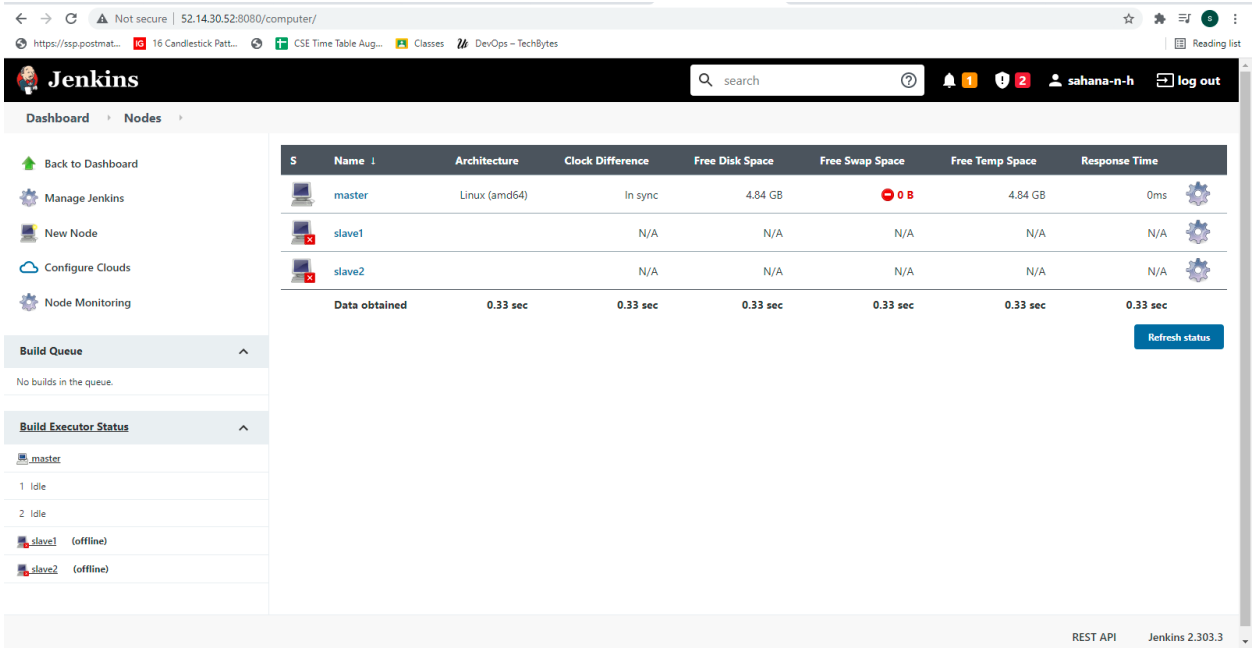
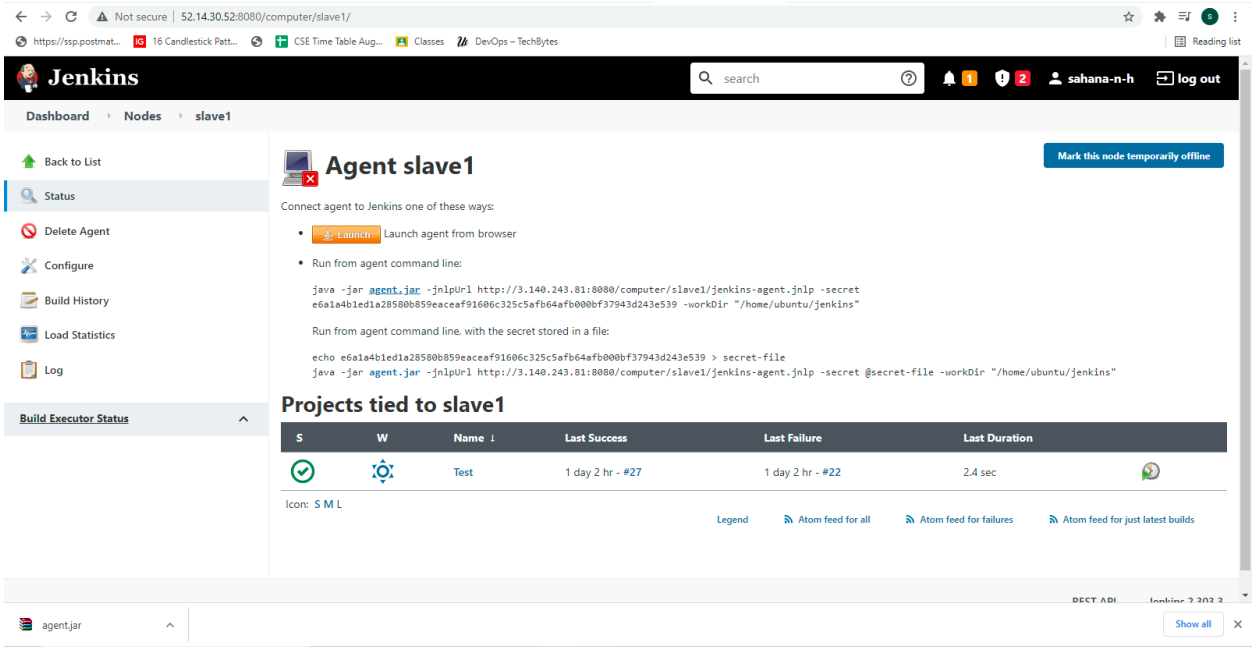
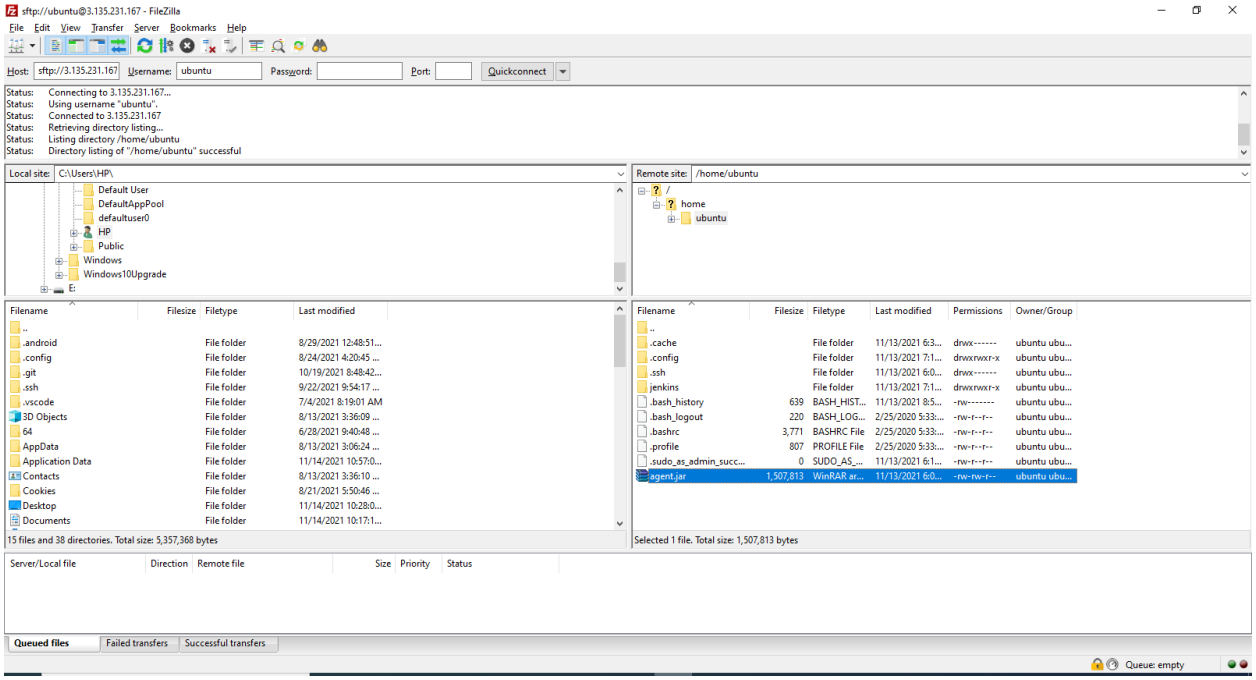
slave1 Configuration [Je
Untitled document - Go
Not secure | 52.14.30.52:8080/computer/slave1/configure
https://ssp.postmat...
16 Candlestick Patt...
CSE Time Table Aug...
Classes
DevOps – TechBytes
Reading list
Dashboard
Nodes
slave1
Launch method
Launch agent by connecting it to the master
Disable WorkDir
Custom WorkDir path
/home/ubuntu/jenkins
Internal data directory
remoting
Fail if workspace is missing
Use WebSocket
Advanced...
Availability
Keep this agent online as much as possible
Node Properties
Disable deferred wipeout on this node
Environment variables
Tool Locations
Save

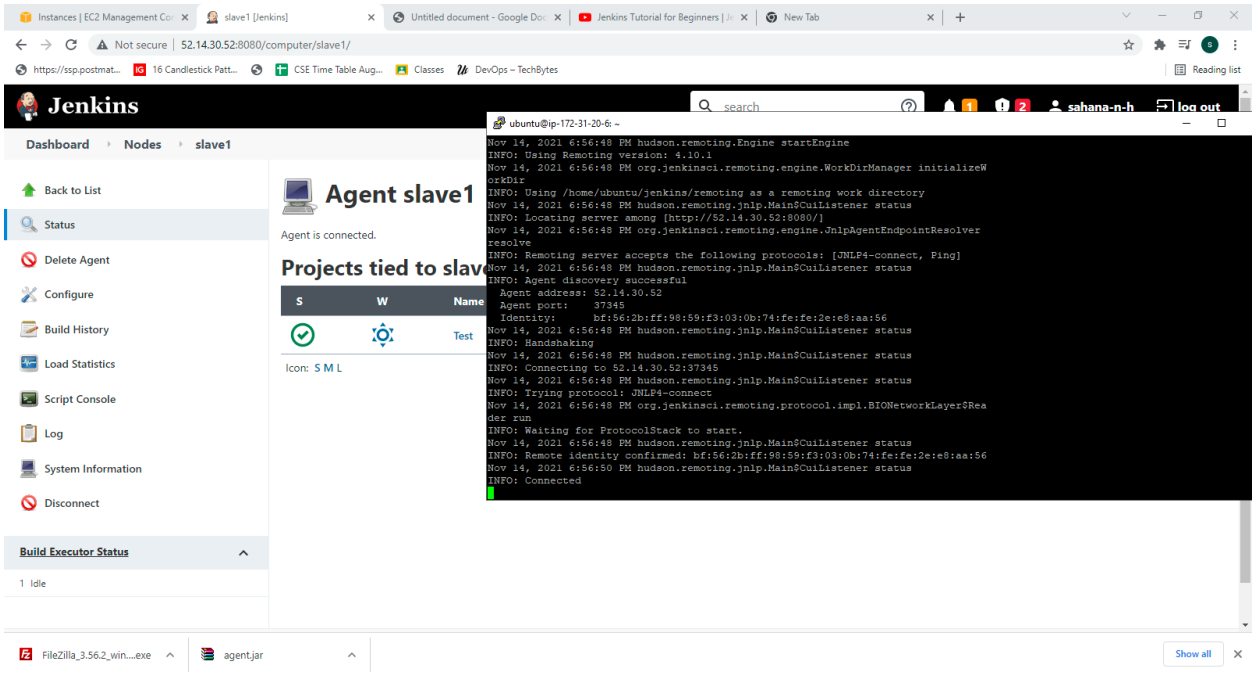

Book report
Instances | EC2 Manage
DevOps-Jenkins – Tech
How to install Jenkins
Jenkins Tutorial for Beg
slave2 Configuration [J
Untitled document - G
Not secure | 52.14.30.52:8080/computer/slave2/configure
https://ssp.postmat...
16 Candlestick Patt...
CSE Time Table Aug...
Classes
DevOps – TechBytes
Reading list
Jenkins
search
1
2
sahana-n-h
log out
Dashboard
Nodes
slave2
Back to List
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Name
slave2
Description
Number of executors
1
Remote root directory
/home/ubuntu/jenkins
Labels
Usage
Use this node as much as possible
Launch method
Launch agent by connecting it to the master
Save

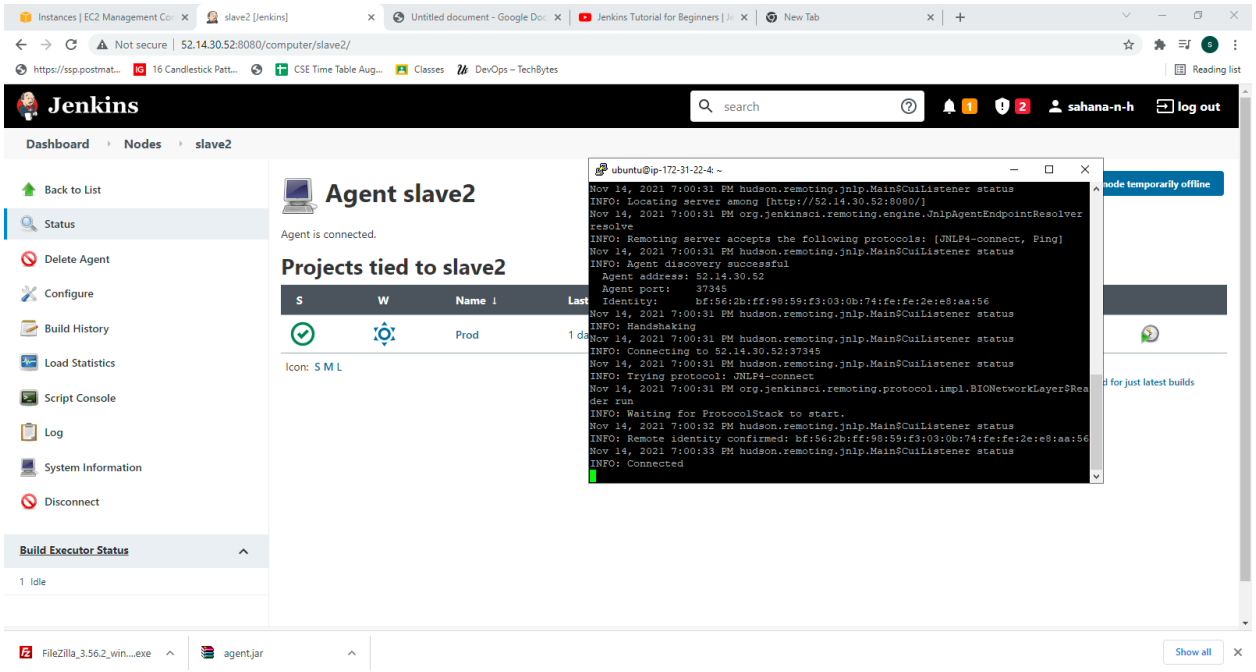

Book report
Instances | EC2 Manage
DevOps-Jenkins – Tech
How to install Jenkins
Jenkins Tutorial for Beg
slave2 Configuration [J
Untitled document - G
Not secure | 52.14.30.52:8080/computer/slave2/configure
https://ssp.postmat...
16 Candlestick Patt...
CSE Time Table Aug...
Classes
DevOps – TechBytes
Reading list
Dashboard
Nodes
slave2
Load Statistics
Log
Build Executor Status
Remote root directory
/home/ubuntu/jenkins
Labels
Usage
Use this node as much as possible
Launch method
Launch agent by connecting it to the master
Disable WorkDir
Custom WorkDir path
Internal data directory
remoting
Fail if workspace is missing
Use WebSocket
Advanced...
Save

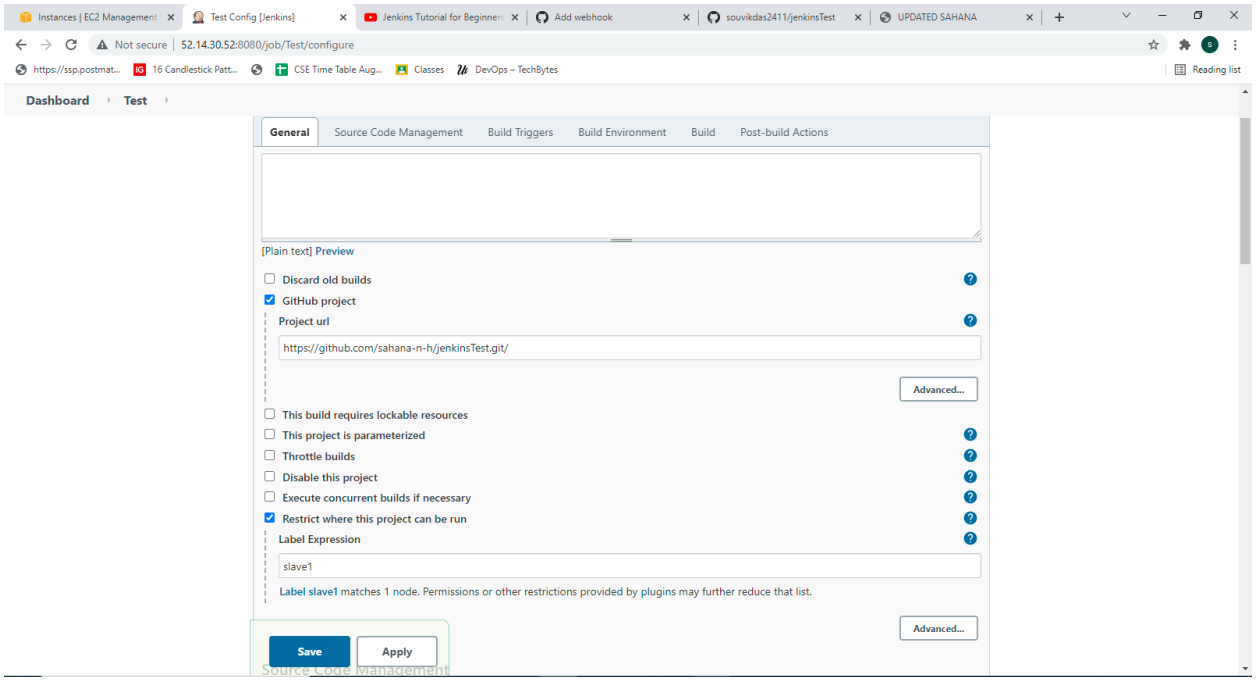

Not secure | 52.14.30.52:8080/computer/
Jenkins
search
sahana-n-h
log out
Dashboard
Nodes
Back to Dashboard
Manage Jenkins
New Node
Configure Clouds
Node Monitoring
Build Queue
No builds in the queue.
Build Executor Status
master
1 Idle
2 Idle
slave1 (offline)
slave2 (offline)
S
Name
Architecture
Clock Difference
Free Disk Space
Free Swap Space
Free Temp Space
Response Time
master
Linux (amd64)
In sync
4.84 GB
0 B
4.84 GB
0ms
slave1
N/A
N/A
N/A
N/A
N/A
slave2
N/A
N/A
N/A
N/A
N/A
Data obtained
0.33 sec
0.33 sec
0.33 sec
0.33 sec
0.33 sec
Refresh status
REST API
Jenkins 2.303.3

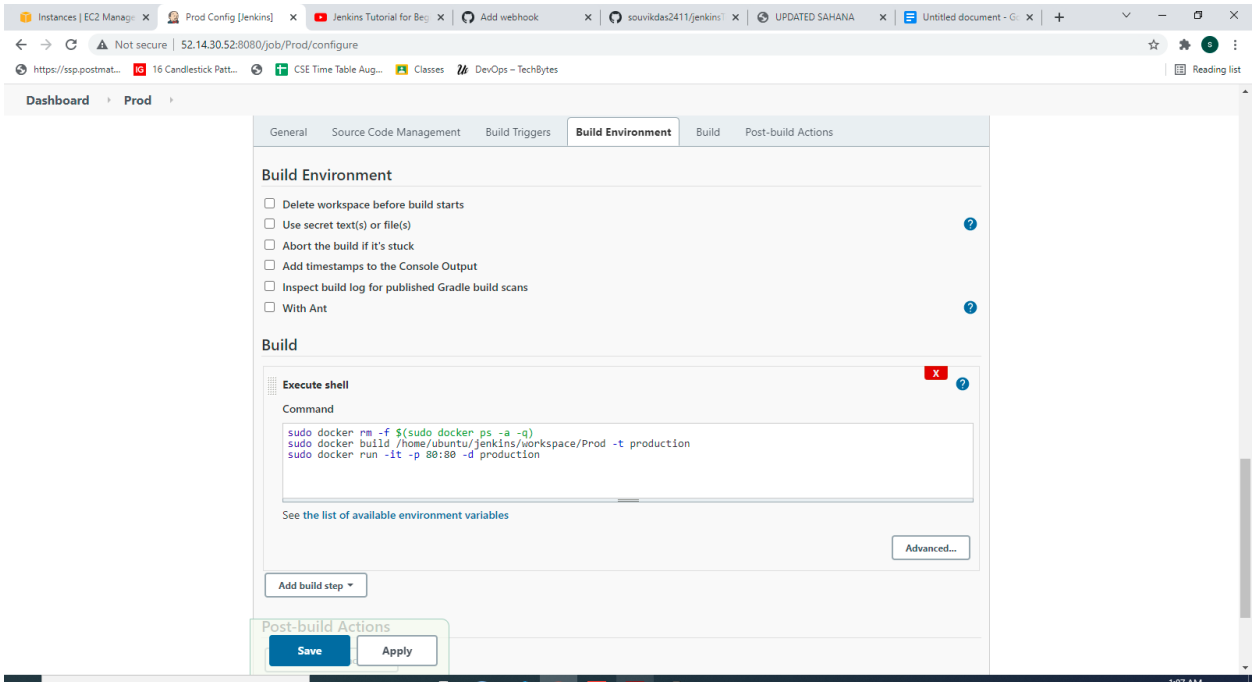

Not secure | 52.14.30.52:8080/computer/slave1/
Jenkins
search
sahana-n-h
log out
Dashboard
Nodes
slave1
Back to List
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Agent slave1
Mark this node temporarily offline
Connect agent to Jenkins one of these ways:
Launch agent from browser
Run from agent command line:
java -jar agent.jar -jnlpUrl http://3.140.243.81:8080/computer/slave1/jenkins-agent.jnlp -secret e6a1a4b1ed1a28580b859eaceaf91606c325c5afb64afb000bf37943d243e539 -workDir "/home/ubuntu/jenkins"
Run from agent command line, with the secret stored in a file:
echo e6a1a4b1ed1a28580b859eaceaf91606c325c5afb64afb000bf37943d243e539 > secret-file
java -jar agent.jar -jnlpUrl http://3.140.243.81:8080/computer/slave1/jenkins-agent.jnlp -secret @secret-file -workDir "/home/ubuntu/jenkins"
Projects tied to slave1
S
W
Name
Last Success
Last Failure
Last Duration
Test
1 day 2 hr - #27
1 day 2 hr - #22
2.4 sec
Icon: S M L
Legend
Atom feed for all
Atom feed for failures
Atom feed for just latest builds
agent.jar
Show all

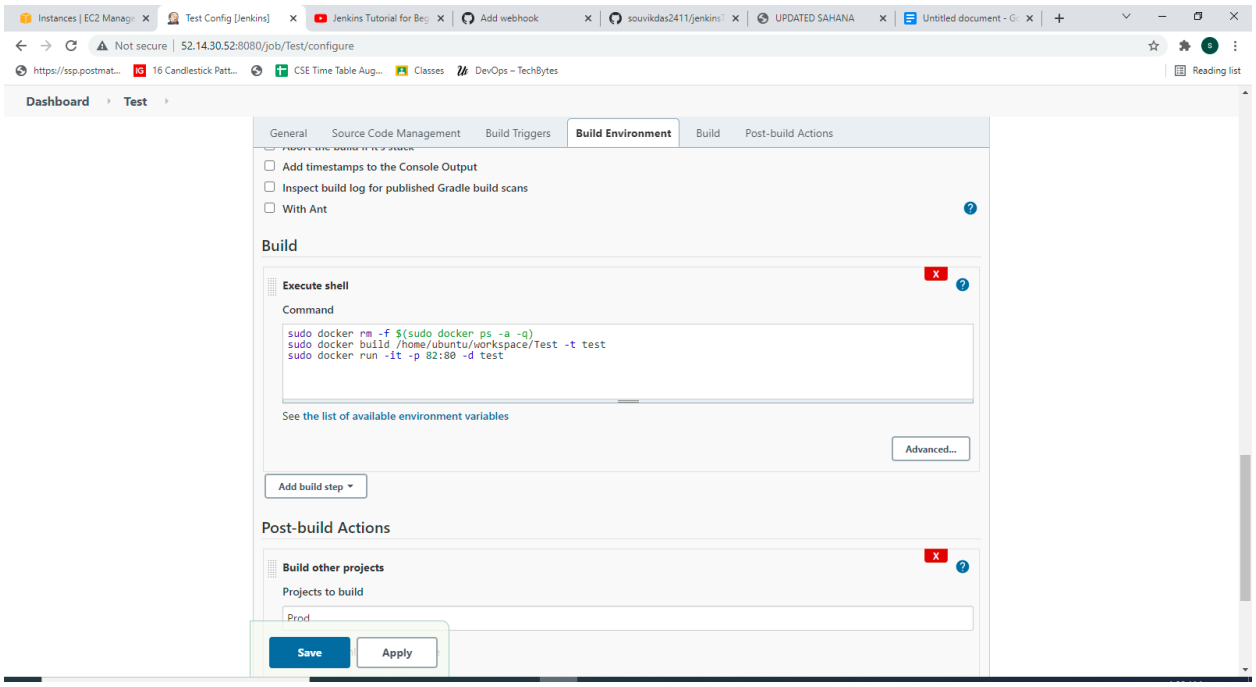

sftp://ubuntu@3.135.231.167 - FileZilla
File Edit View Transfer Server Bookmarks Help
Host: sftp://3.135.231.167 Username: ubuntu Password: Port: Quickconnect
Status: Connecting to 3.135.231.167...
Status: Using username "ubuntu".
Status: Connected to 3.135.231.167
Status: Retrieving directory listing...
Status: Listing directory /home/ubuntu
Status: Directory listing of "/home/ubuntu" successful
Local site: C:\Users\HP\
Default User
DefaultAppPool
defaultuser0
HP
Public
Windows
Windows10Upgrade
Remote site: /home/ubuntu
/
home
ubuntu
Filename Filesize Filetype Last modified
.android File folder 8/29/2021 12:48:51...
.config File folder 8/24/2021 4:20:45 ...
.git File folder 10/19/2021 8:48:42...
.ssh File folder 9/22/2021 9:54:17 ...
.vscode File folder 7/4/2021 8:19:01 AM
3D Objects File folder 8/13/2021 3:36:09 ...
64 File folder 6/28/2021 9:40:48 ...
AppData File folder 8/13/2021 3:06:24 ...
Application Data File folder 11/14/2021 10:57:0...
Contacts File folder 8/13/2021 3:36:10 ...
Cookies File folder 8/21/2021 5:50:46 ...
Desktop File folder 11/14/2021 10:28:0...
Documents File folder 11/14/2021 10:17:1...
15 files and 38 directories. Total size: 5,357,368 bytes
Filename Filesize Filetype Last modified Permissions Owner/Group
.cache File folder 11/13/2021 6:3... drwx------ ubuntu ubu...
.config File folder 11/13/2021 7:1... drwxrwxr-x ubuntu ubu...
.ssh File folder 11/13/2021 6:0... drwx------ ubuntu ubu...
jenkins File folder 11/13/2021 7:1... drwxrwxr-x ubuntu ubu...
.bash_history 639 BASH_HIST... 11/13/2021 8:5... -rw------- ubuntu ubu...
.bash_logout 220 BASH_LOG... 2/25/2020 5:33:... -rw-r--r-- ubuntu ubu...
.bashrc 3,771 BASHRC File 2/25/2020 5:33:... -rw-r--r-- ubuntu ubu...
.profile 807 PROFILE File 2/25/2020 5:33:... -rw-r--r-- ubuntu ubu...
.sudo_as_admin_succ... 0 SUDO_AS_... 11/13/2021 6:1... -rw-r--r-- ubuntu ubu...
agent.jar 1,507,813 WinRAR ar... 11/13/2021 6:0... -rw-rw-r-- ubuntu ubu...
Selected 1 file. Total size: 1,507,813 bytes
Server/Local file Direction Remote file Size Priority Status
Queued files Failed transfers Successful transfers
Queue: empty

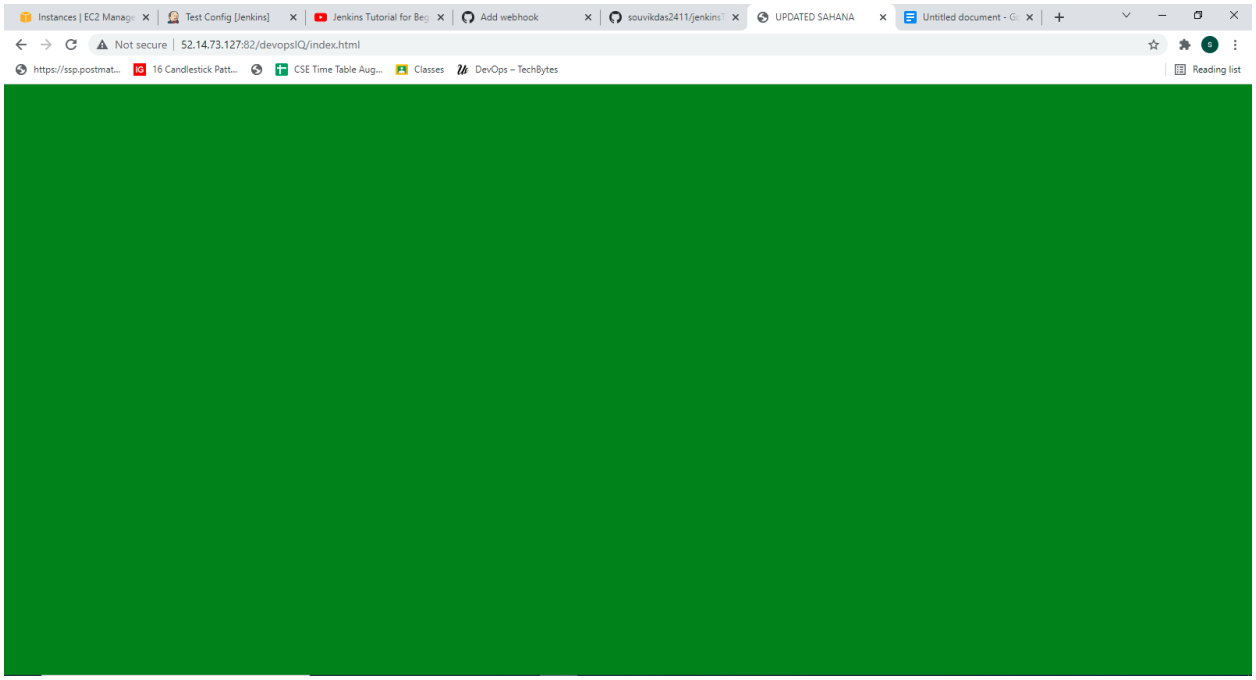

Not secure | 52.14.30.52:8080/computer/slave1/
Jenkins
search
sahana-n-h log out
Dashboard › Nodes › slave1
Back to List
Status
Delete Agent
Configure
Build History
Load Statistics
Script Console
Log
System Information
Disconnect
Build Executor Status
1 Idle
Agent slave1
Agent is connected.
Projects tied to slav
S W Name
Test
Icon: S M L
ubuntu@ip-172-31-20-6: ~
Nov 14, 2021 6:56:48 PM hudson.remoting.Engine startEngine
INFO: Using Remoting version: 4.10.1
Nov 14, 2021 6:56:48 PM org.jenkinsci.remoting.engine.WorkDirManager initializeW
orkDir
INFO: Using /home/ubuntu/jenkins/remoting as a remoting work directory
Nov 14, 2021 6:56:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Locating server among [http://52.14.30.52:8080/]
Nov 14, 2021 6:56:48 PM org.jenkinsci.remoting.engine.JnlpAgentEndpointResolver
resolve
INFO: Remoting server accepts the following protocols: [JNLP4-connect, Ping]
Nov 14, 2021 6:56:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Agent discovery successful
Agent address: 52.14.30.52
Agent port: 37345
Identity: bf:56:2b:ff:98:59:f3:03:0b:74:fe:fe:2e:e8:aa:56
Nov 14, 2021 6:56:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Handshaking
Nov 14, 2021 6:56:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to 52.14.30.52:37345
Nov 14, 2021 6:56:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP4-connect
Nov 14, 2021 6:56:48 PM org.jenkinsci.remoting.protocol.impl.BIONetworkLayer$Rea
der run
INFO: Waiting for ProtocolStack to start.
Nov 14, 2021 6:56:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Remote identity confirmed: bf:56:2b:ff:98:59:f3:03:0b:74:fe:fe:2e:e8:aa:56
Nov 14, 2021 6:56:50 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connected
FileZilla_3.56.2_win....exe
agent.jar
Show all

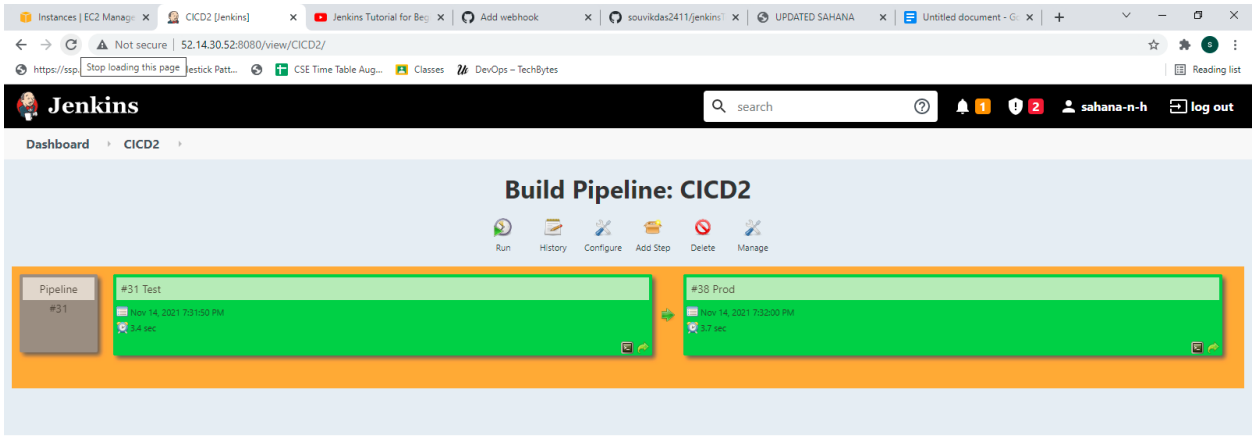

Jenkins
search
sahana-n-h
log out
Dashboard
Nodes
slave2
Back to List
Status
Delete Agent
Configure
Build History
Load Statistics
Script Console
Log
System Information
Disconnect
Build Executor Status
1 Idle
Agent slave2
Agent is connected.
Projects tied to slave2
S
W
Name
Prod
Icon: S M L
ubuntu@ip-172-31-22-4: ~
Nov 14, 2021 7:00:31 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Locating server among [http://52.14.30.52:8080/]
Nov 14, 2021 7:00:31 PM org.jenkinsci.remoting.engine.JnlpAgentEndpointResolver resolve
INFO: Remoting server accepts the following protocols: [JNLP4-connect, Ping]
Nov 14, 2021 7:00:31 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Agent discovery successful
Agent address: 52.14.30.52
Agent port: 37345
Identity: bf:56:2b:ff:98:59:f3:03:0b:74:fe:fe:2e:e8:aa:56
Nov 14, 2021 7:00:31 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Handshaking
Nov 14, 2021 7:00:31 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to 52.14.30.52:37345
Nov 14, 2021 7:00:31 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP4-connect
Nov 14, 2021 7:00:31 PM org.jenkinsci.remoting.protocol.impl.BIONetworkLayer$Reader run
INFO: Waiting for ProtocolStack to start.
Nov 14, 2021 7:00:32 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Remote identity confirmed: bf:56:2b:ff:98:59:f3:03:0b:74:fe:fe:2e:e8:aa:56
Nov 14, 2021 7:00:33 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connected
FileZilla_3.56.2_win....exe
agent.jar
Show all


Dashboard
Test
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
[Plain text] Preview
Discard old builds
GitHub project
Project url
https://github.com/sahana-n-h/jenkinsTest.git/
Advanced...
This build requires lockable resources
This project is parameterized
Throttle builds
Disable this project
Execute concurrent builds if necessary
Restrict where this project can be run
Label Expression
slave1
Label slave1 matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.
Advanced...
Save
Apply
Source Code Management


Not secure | 52.14.30.52:8080/job/Prod/configure
Dashboard › Prod
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build Environment
Delete workspace before build starts
Use secret text(s) or file(s)
Abort the build if it's stuck
Add timestamps to the Console Output
Inspect build log for published Gradle build scans
With Ant
Build
Execute shell
Command
sudo docker rm -f $(sudo docker ps -a -q)
sudo docker build /home/ubuntu/jenkins/workspace/Prod -t production
sudo docker run -it -p 80:80 -d production
See the list of available environment variables
Advanced...
Add build step
Post-build Actions
Save
Apply


Not secure | 52.14.30.52:8080/job/Test/configure
Dashboard › Test
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Add timestamps to the Console Output
Inspect build log for published Gradle build scans
With Ant
Build
Execute shell
Command
sudo docker rm -f $(sudo docker ps -a -q)
sudo docker build /home/ubuntu/workspace/Test -t test
sudo docker run -it -p 82:80 -d test
See the list of available environment variables
Advanced...
Add build step
Post-build Actions
Build other projects
Projects to build
Prod
Save
Apply


Not secure | 52.14.73.127:82/devopsIQ/index.html


Not secure | 52.14.30.52:8080/view/CICD2/
Jenkins
search
sahana-n-h
log out
Dashboard
CICD2
Build Pipeline: CICD2
Run
History
Configure
Add Step
Delete
Manage
Pipeline
#31
#31 Test
#38 Prod
REST API
Jenkins 2.303.3