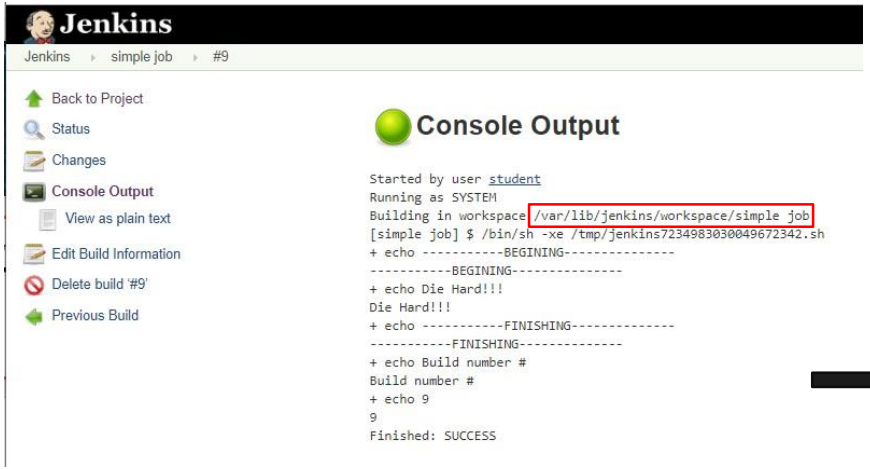
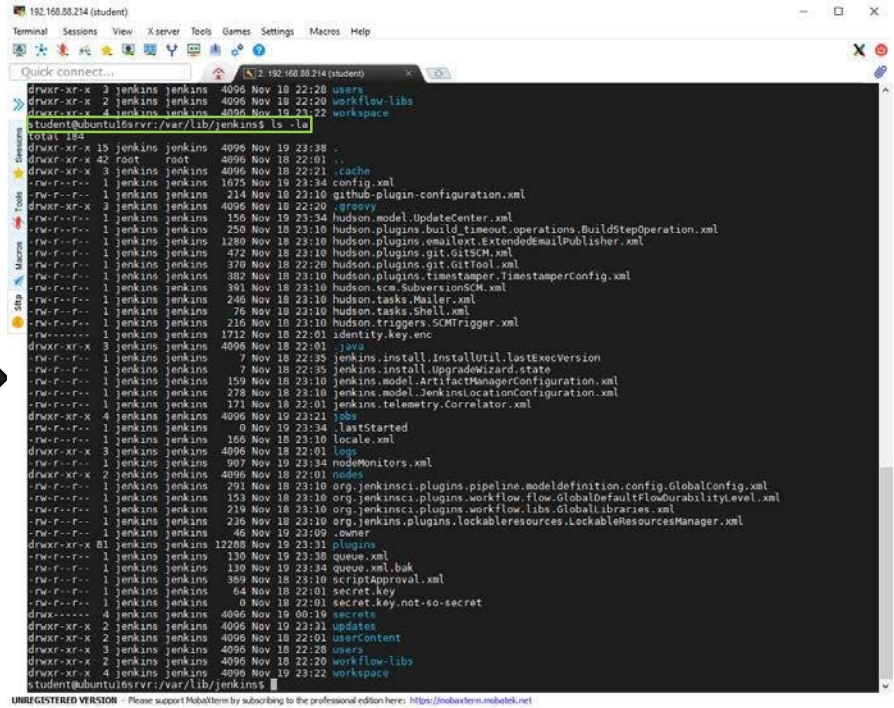
<epam>

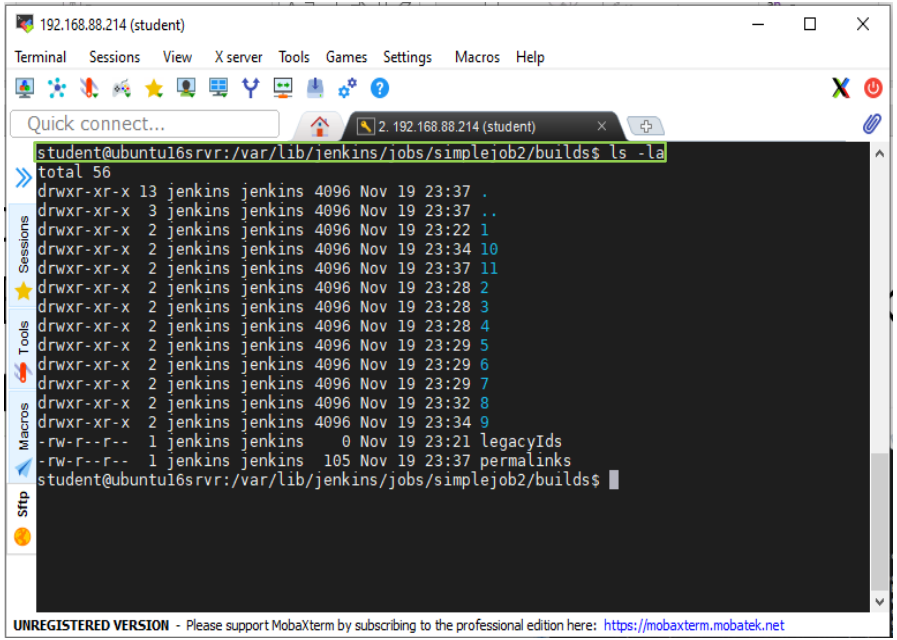
Continuous integration / Continuous delivery (deployment).
Lection 2

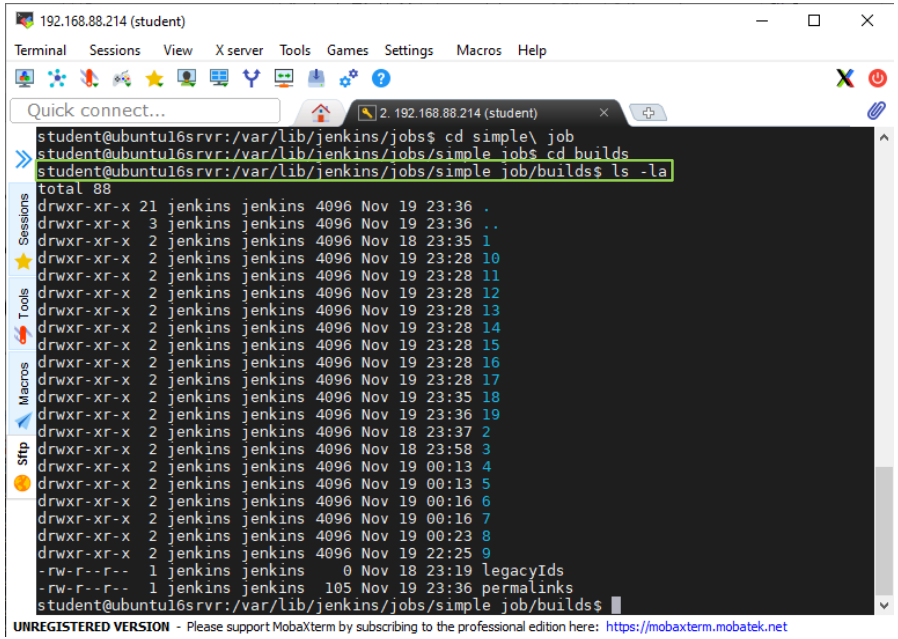
Simple job example in Jenkins.
Job and Build working directories on Jenkins server.



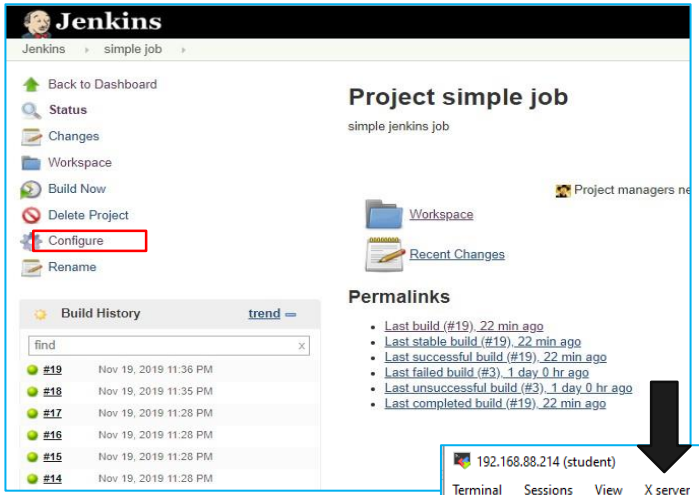


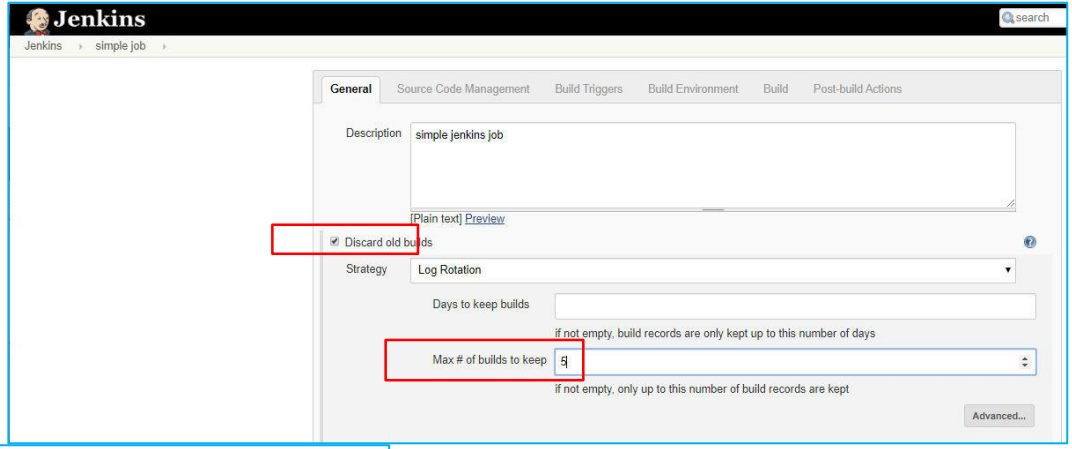
Simple job example in Jenkins.
Don’t waste disk space.

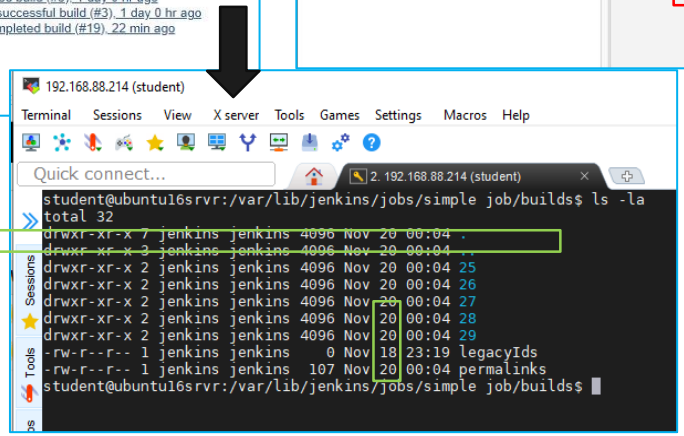




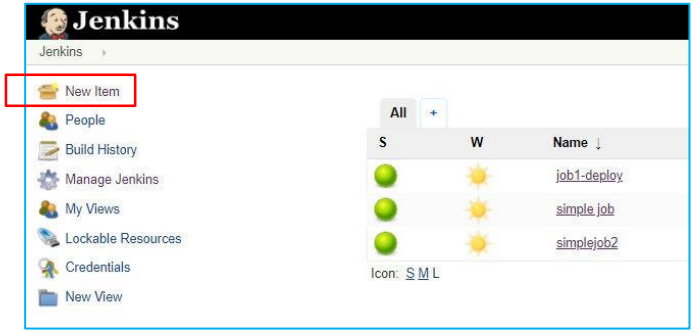
Simple job example in Jenkins.
Don’t waste disk space.

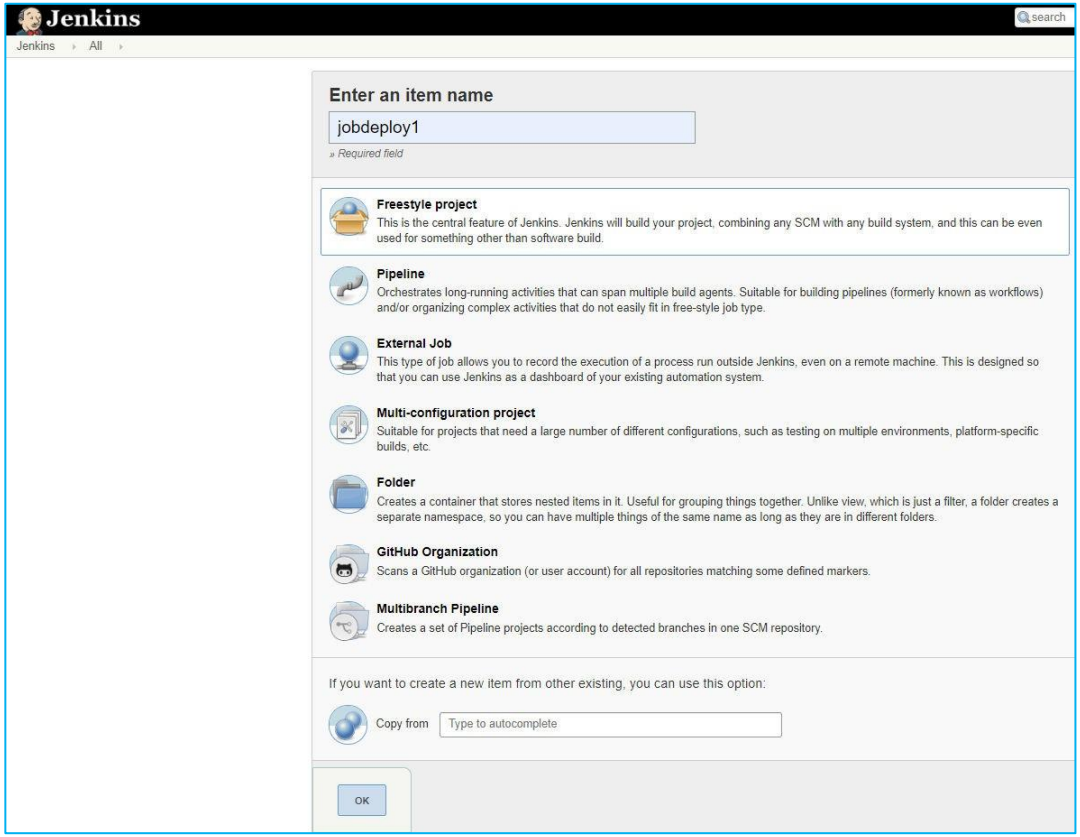




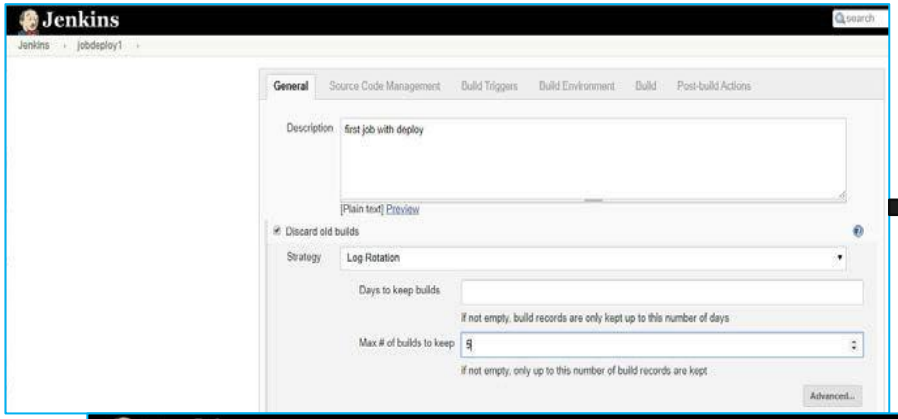


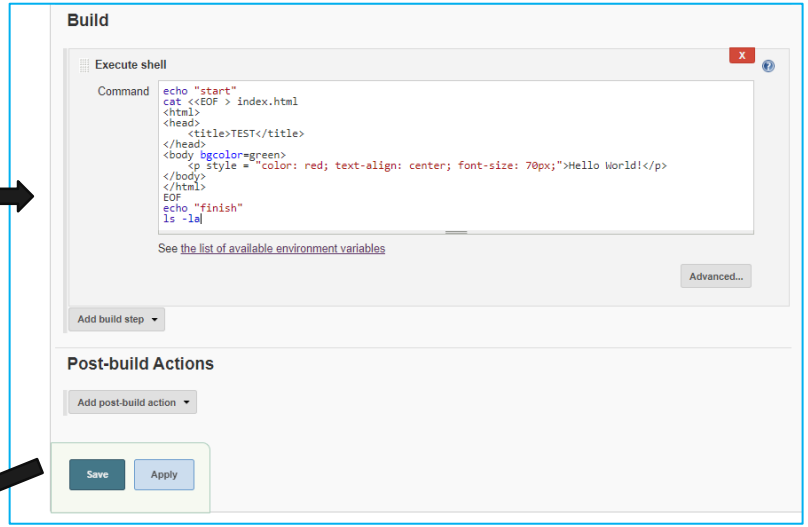
Simple job example in Jenkins with deploy.

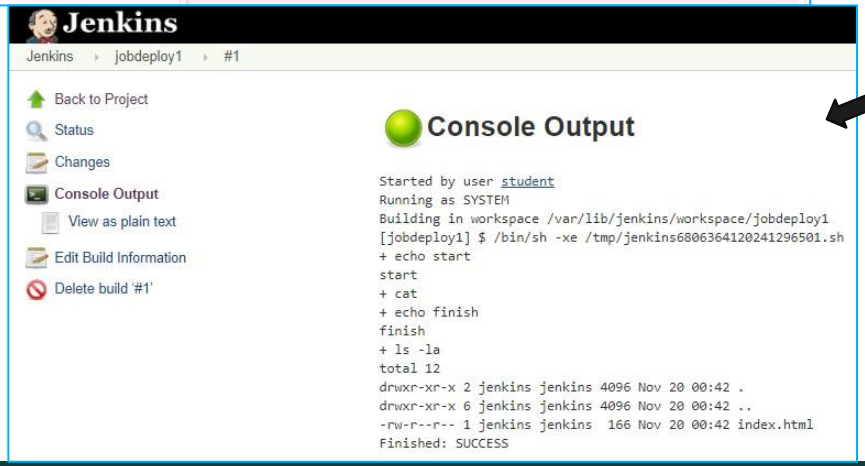




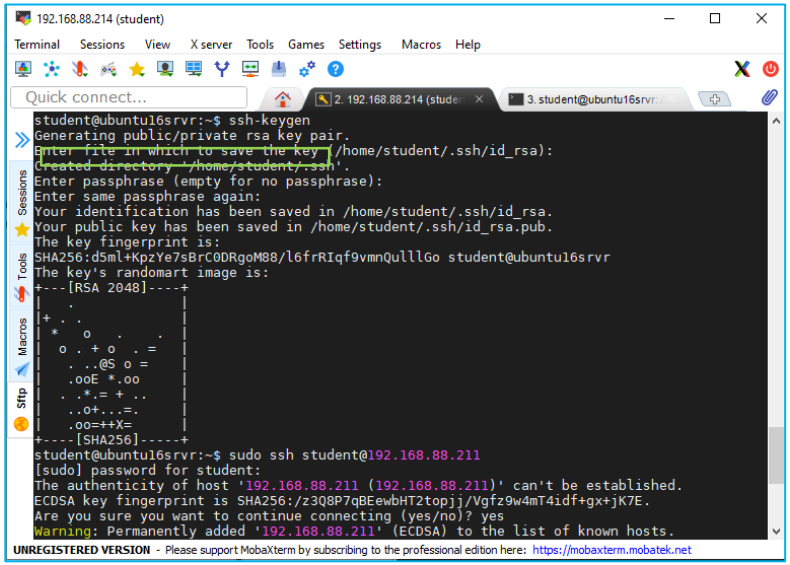
Simple job example in Jenkins with deploy.

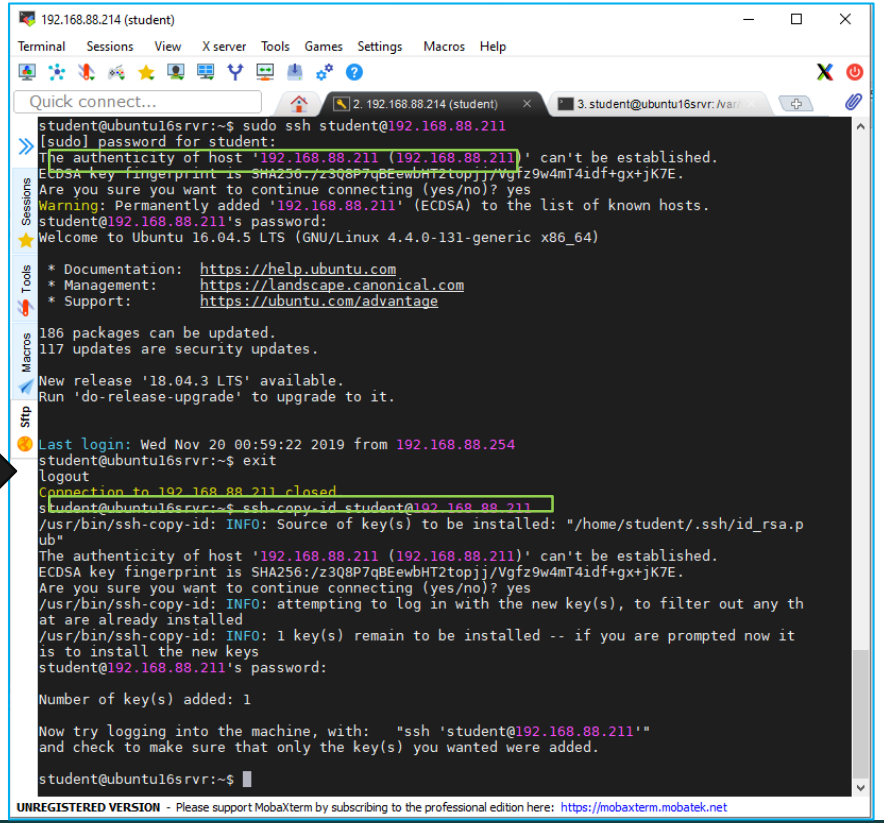




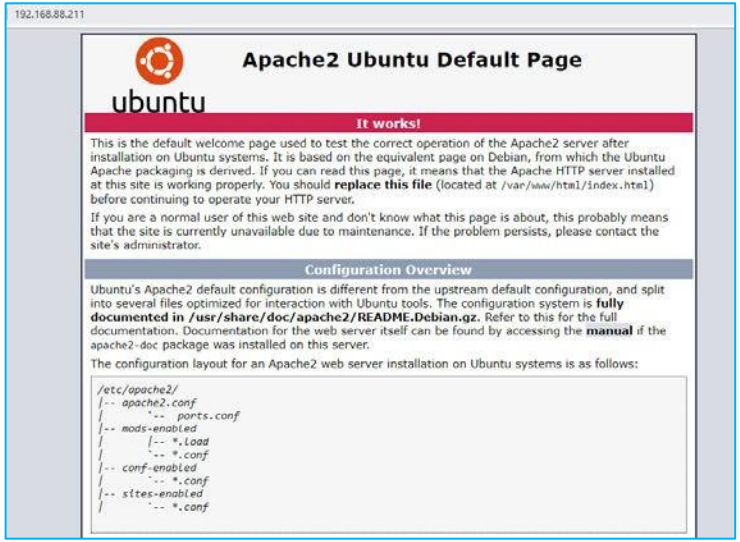


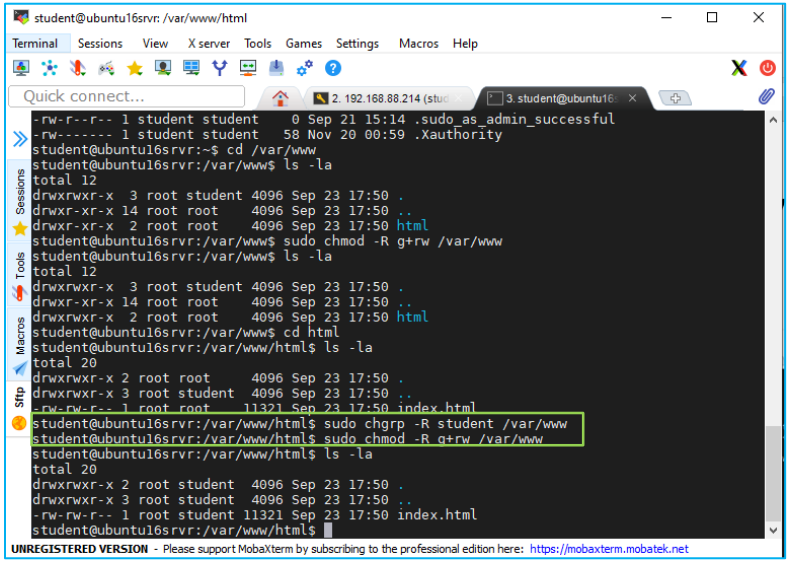
Simple job example in Jenkins with deploy.
Establish SSH connection without login/password





Simple job example in Jenkins with deploy.
Establish privileges for /var/www





Simple job example in Jenkins with deploy.
Establish SSH connection without login/password

On instance with Jenkins (example):

1) We have to use *-o StrictHostKeyChecking=no*:

scp -v -o StrictHostKeyChecking=no index.html student@192.168.88.211:/var/www/html

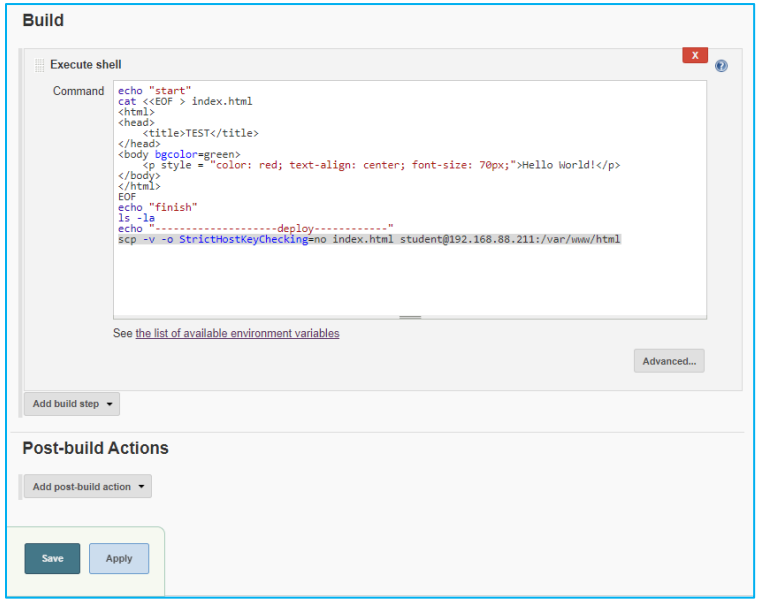
instead of:

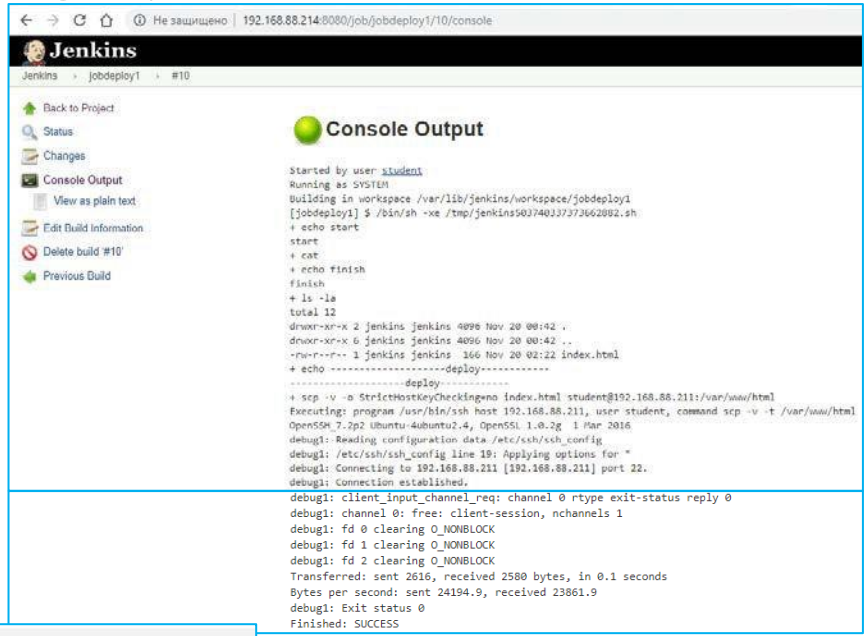
scp -v index.html student@192.168.88.211:/var/www/html

2) We have to copy *id_rsa* to */var/lib/jenkins/.ssh*

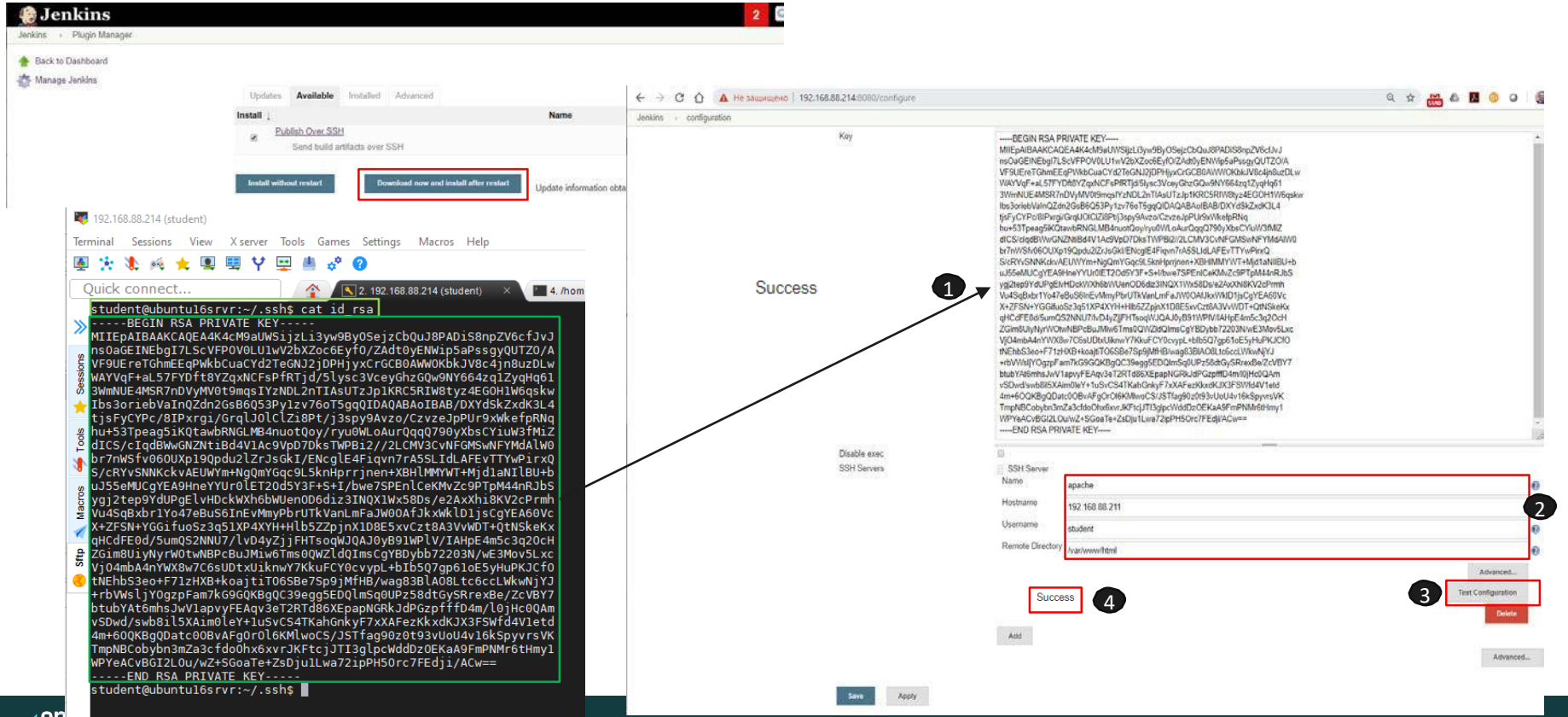
3)The */var/lib/jenkins/.ssh* directory and files inside of it should be owned by *jenkins*

Simple job example in Jenkins with deploy.
Establish SSH connection without login/password

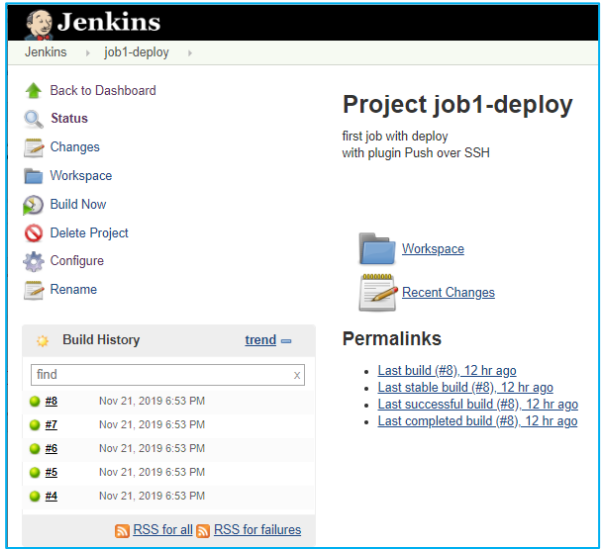


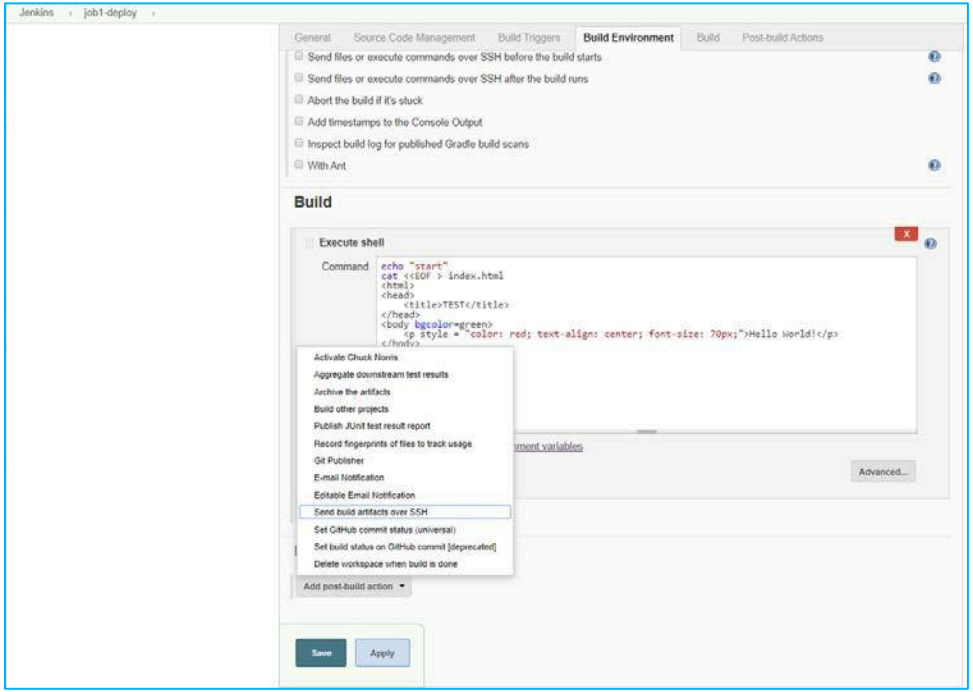


Simple job example in Jenkins with deploy using plugin “Publish Over SSH”

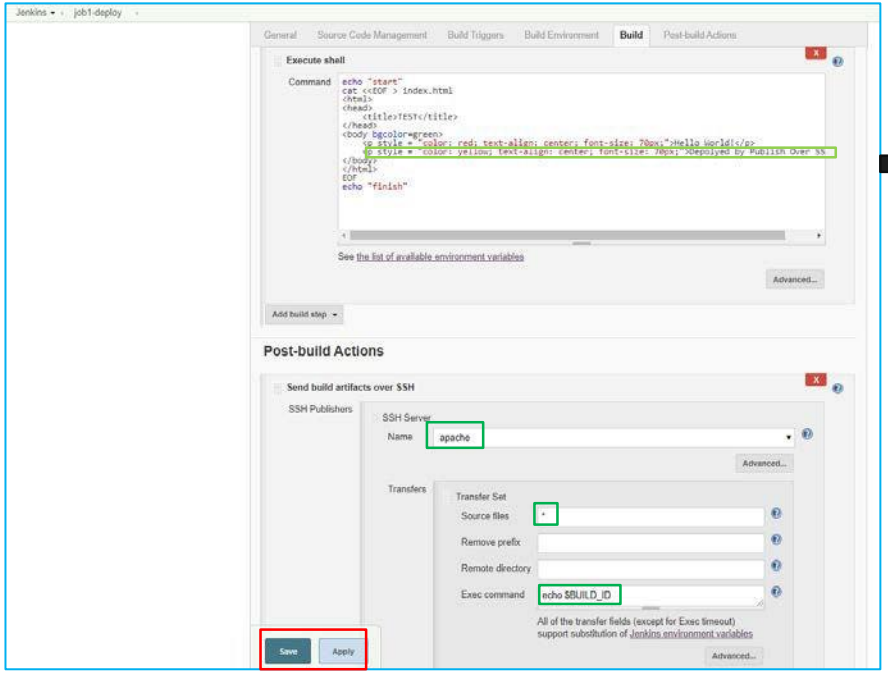


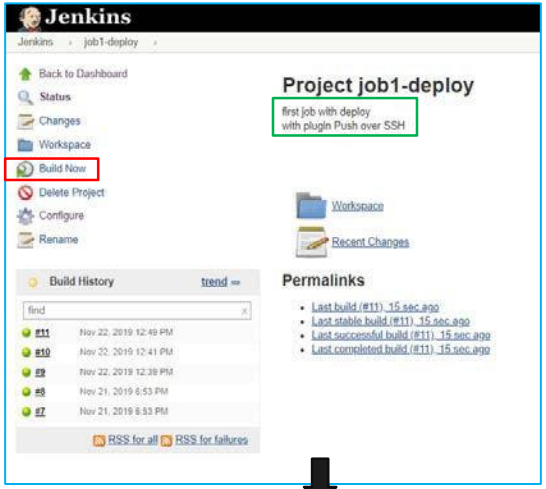
Simple job example in Jenkins with deploy using plugin “Publish Over SSH”



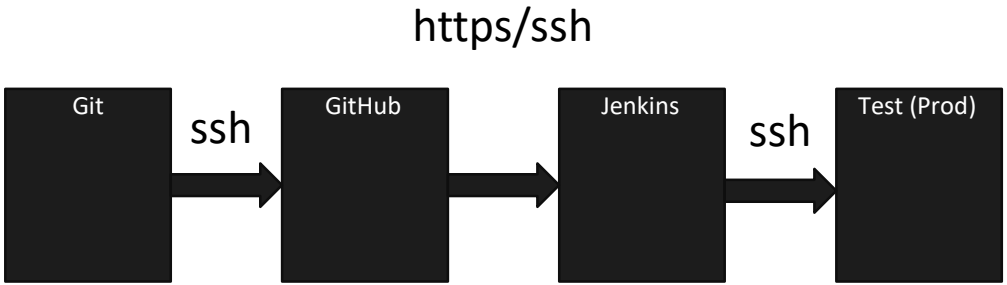


Simple job example in Jenkins with deploy using plugin “Publish Over SSH”

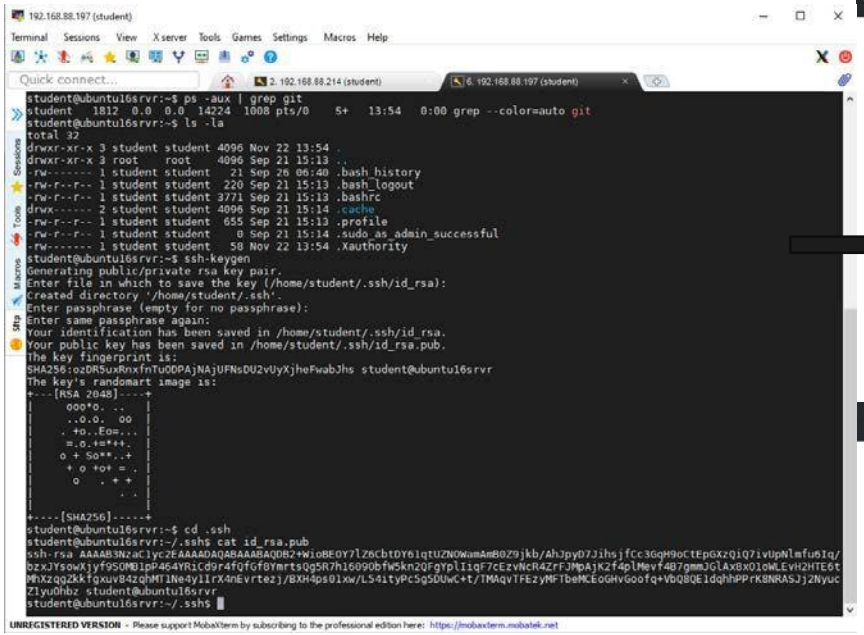


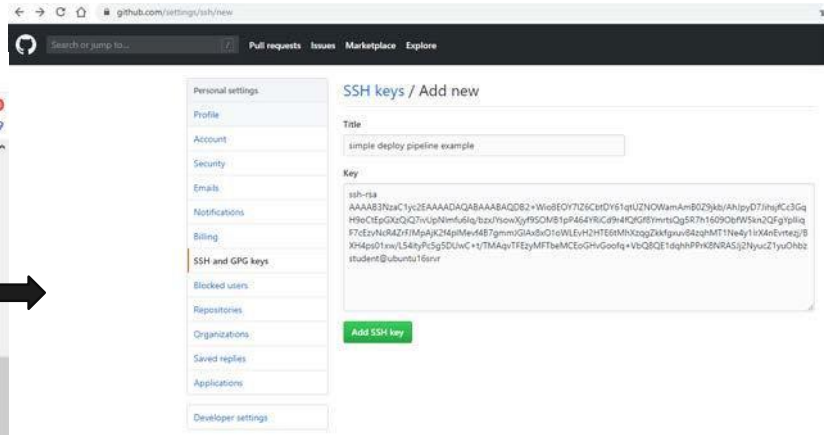


Simple CI/CD pipeline example



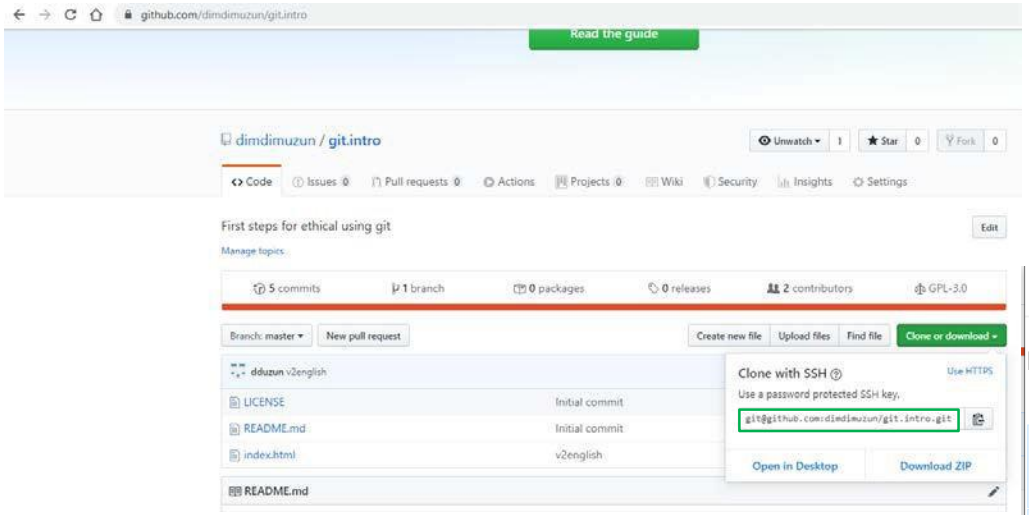
Simple CI/CD pipeline example

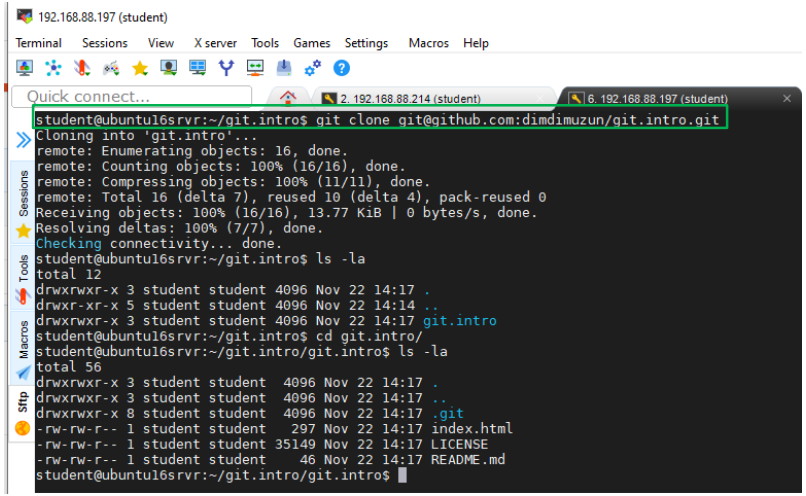




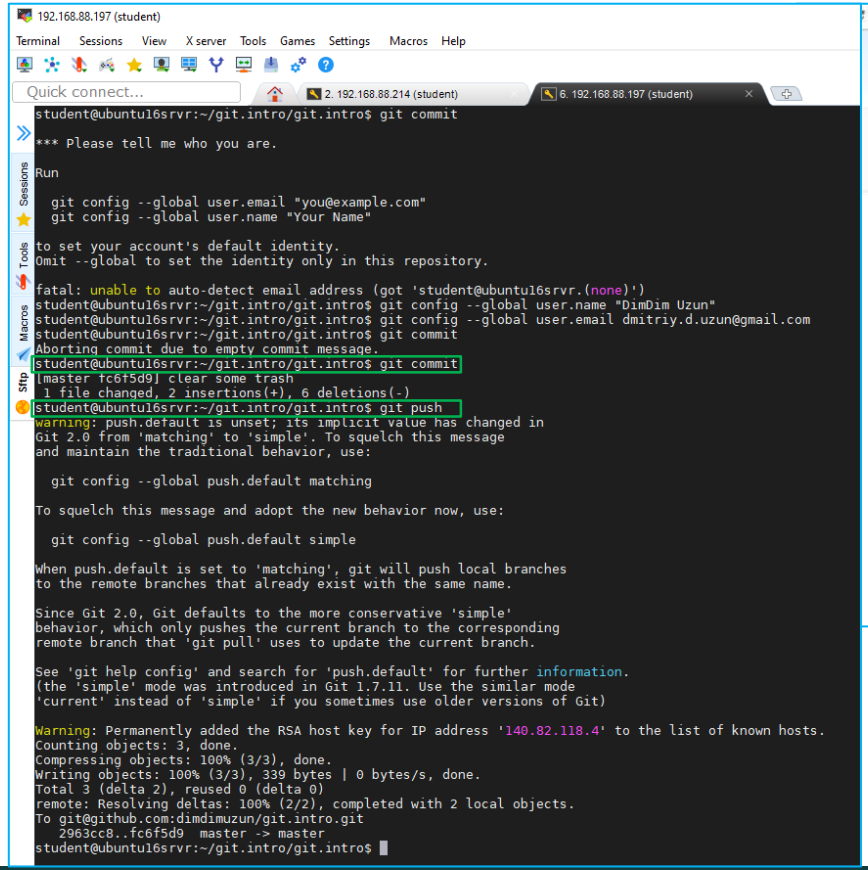

```
student@ubuntu16srvr:~/.ssh$ ssh -T git@github.com
The authenticity of host 'github.com (140.82.118.3)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWGl7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'github.com,140.82.118.3' (RSA) to the list of known hosts.
Hi dimdimuzun! You've successfully authenticated, but GitHub does not provide shell access.
```

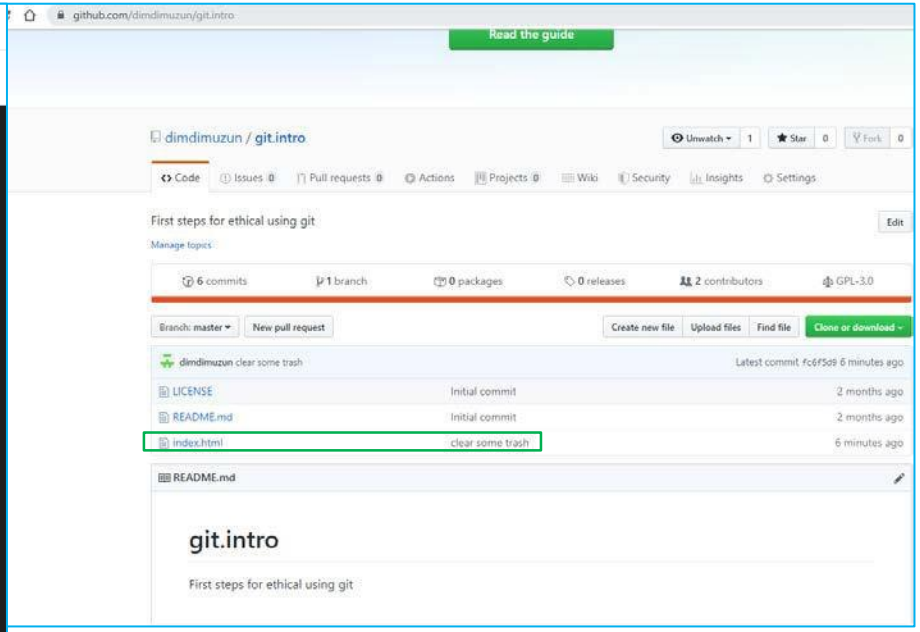
Simple CI/CD pipeline example



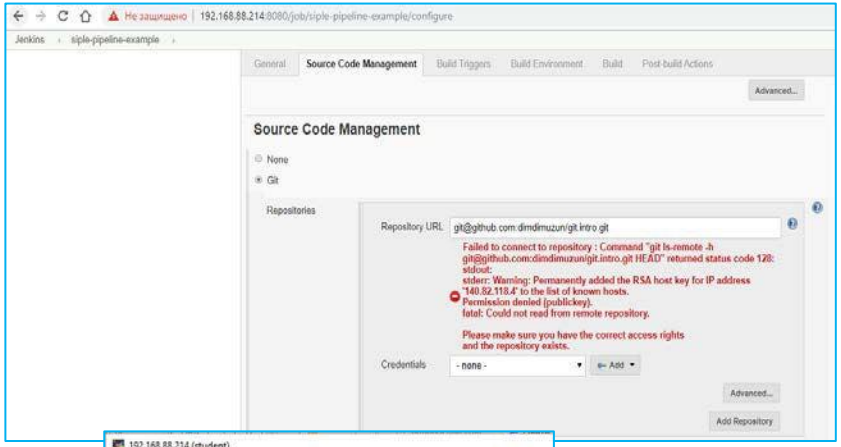


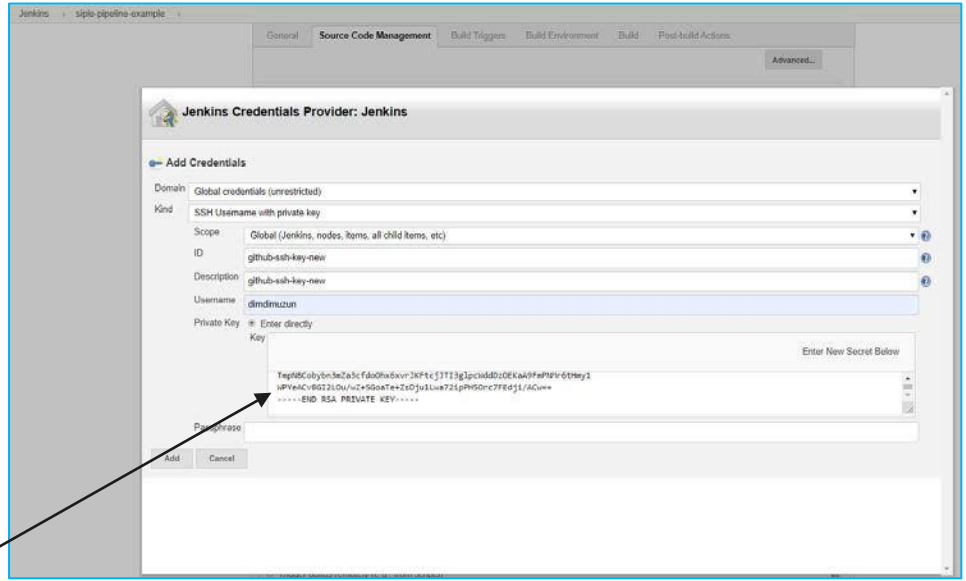
Simple CI/CD pipeline example

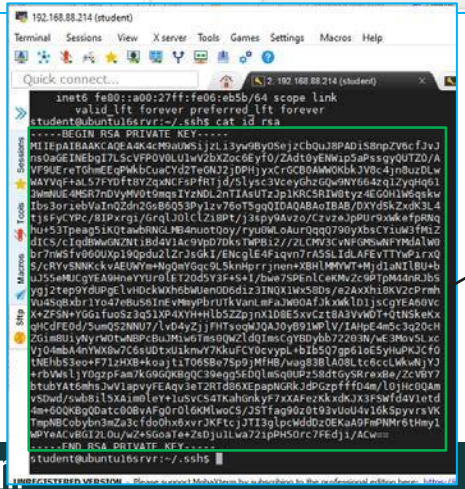




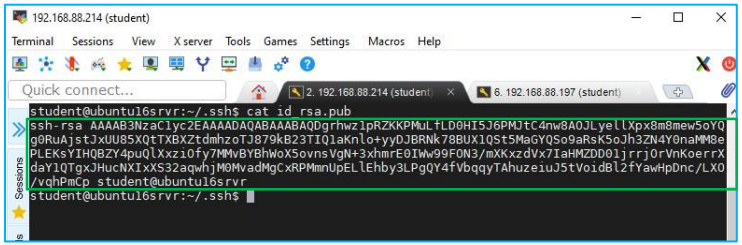
Simple CI/CD pipeline example

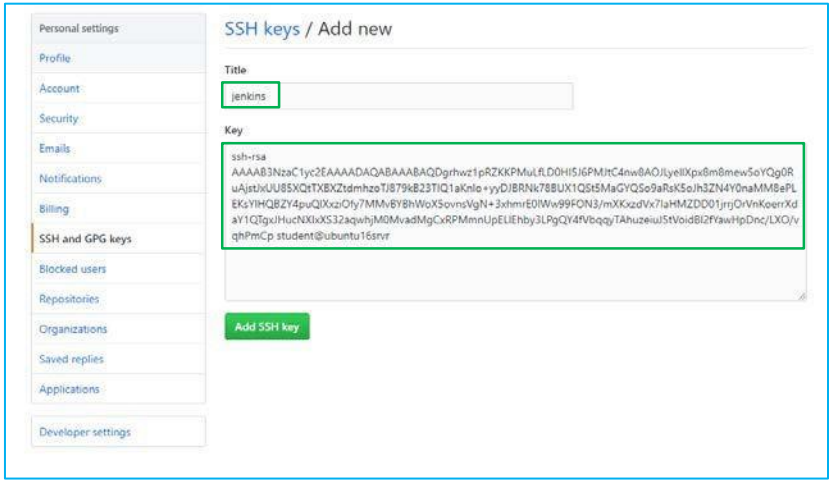


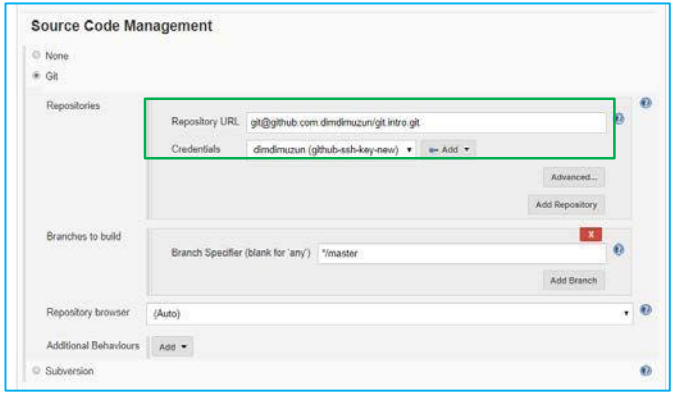


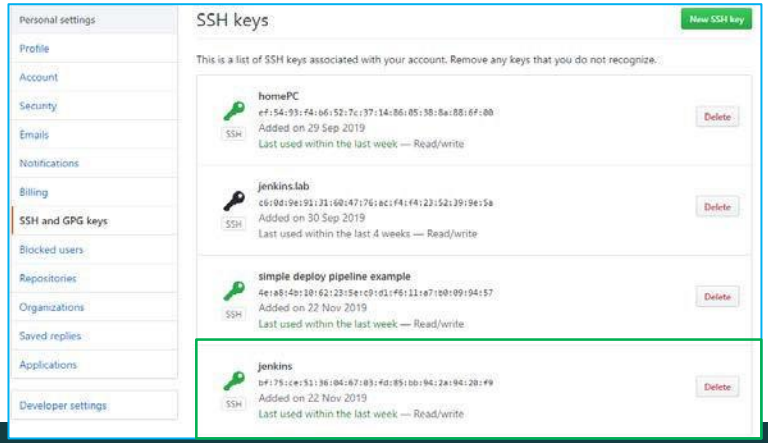


Simple CI/CD pipeline example

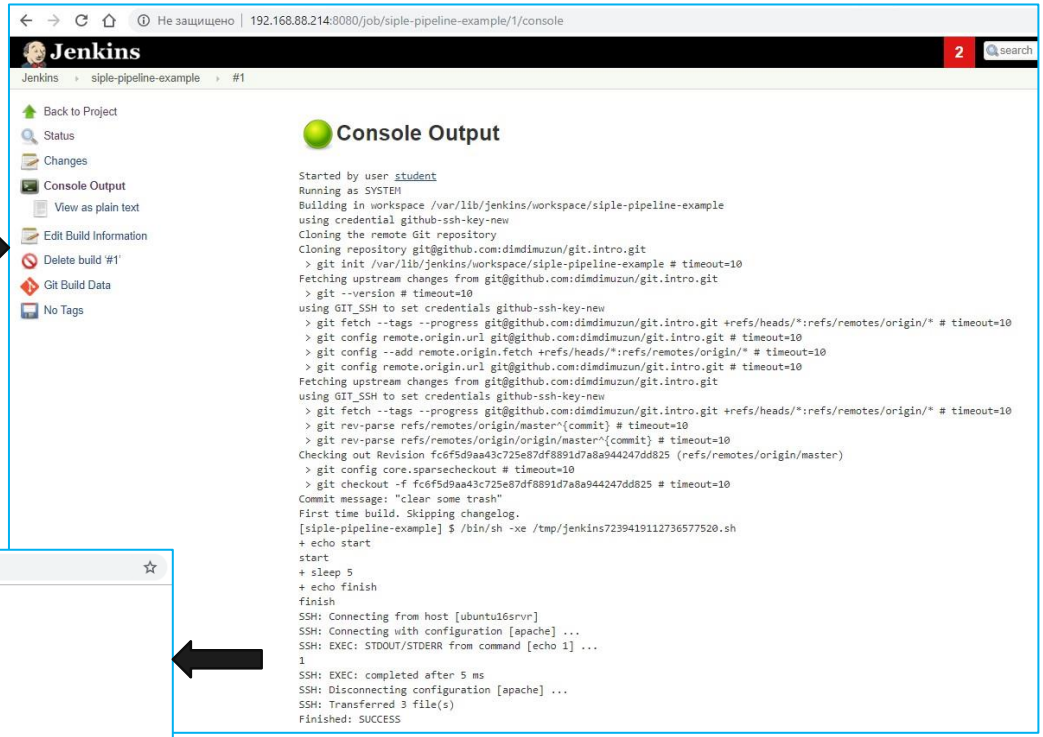


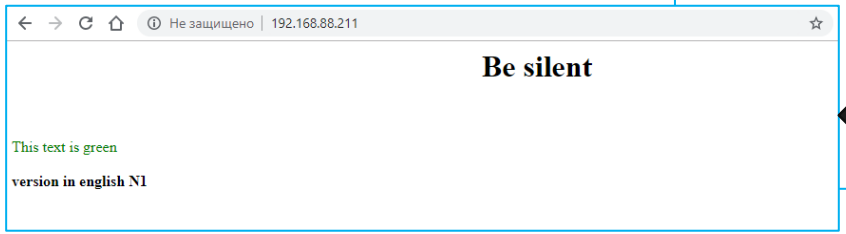




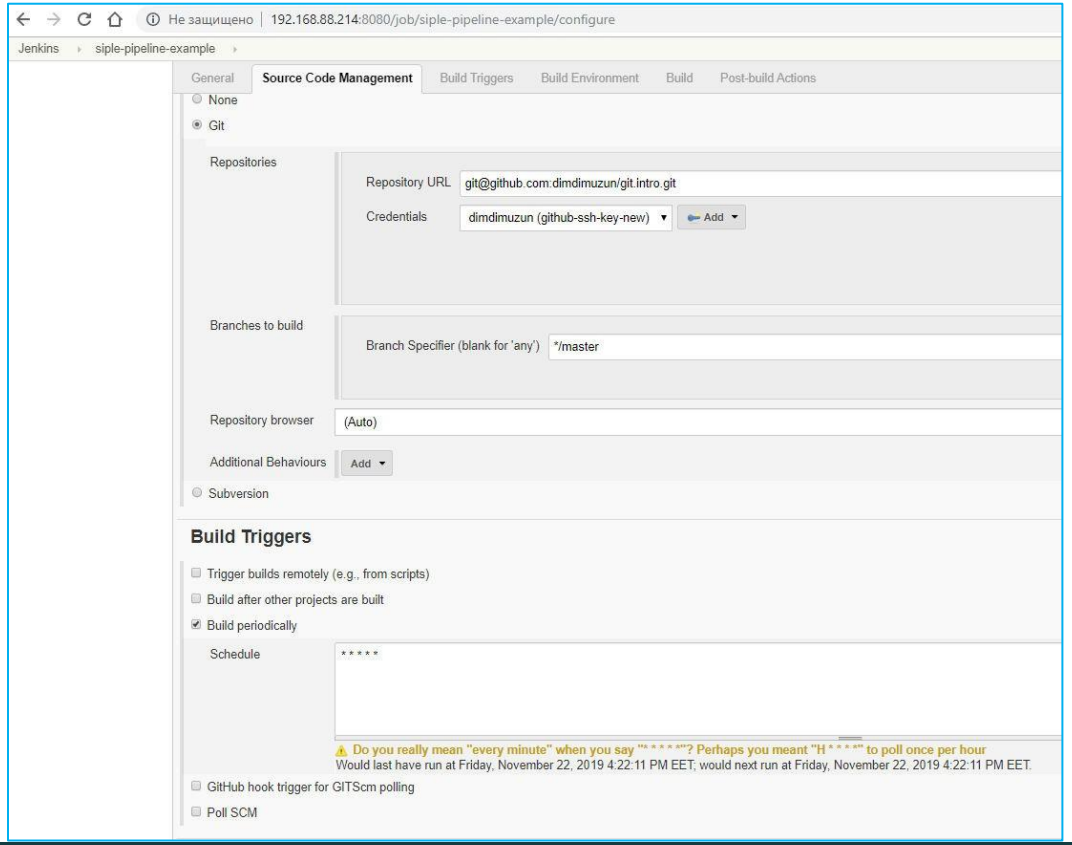


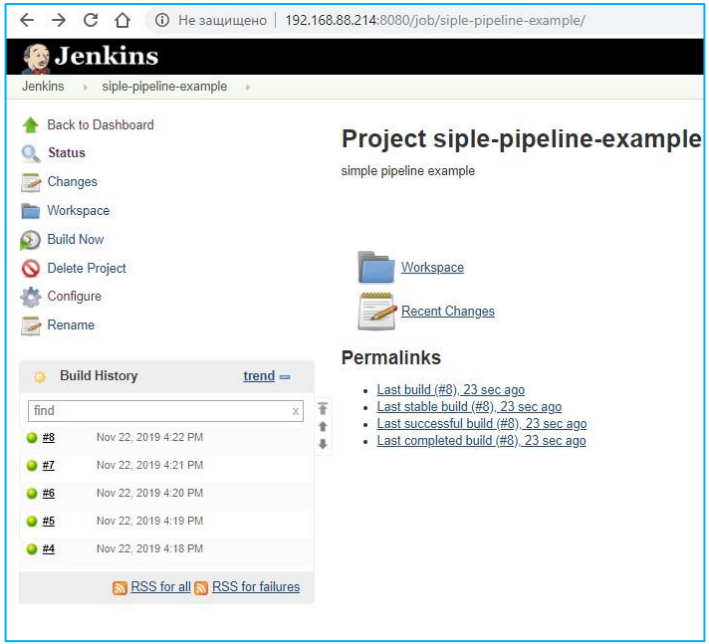
Simple CI/CD pipeline example

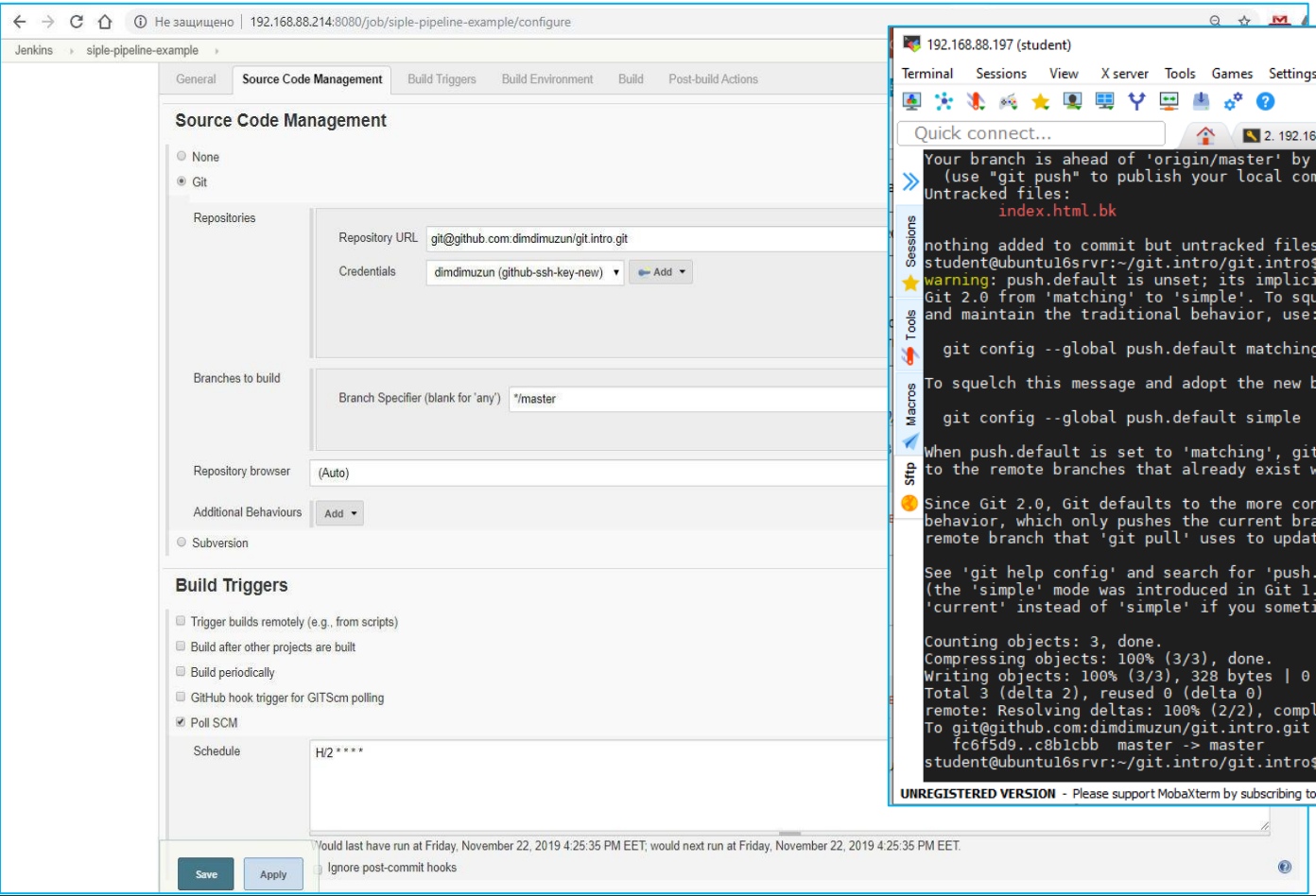


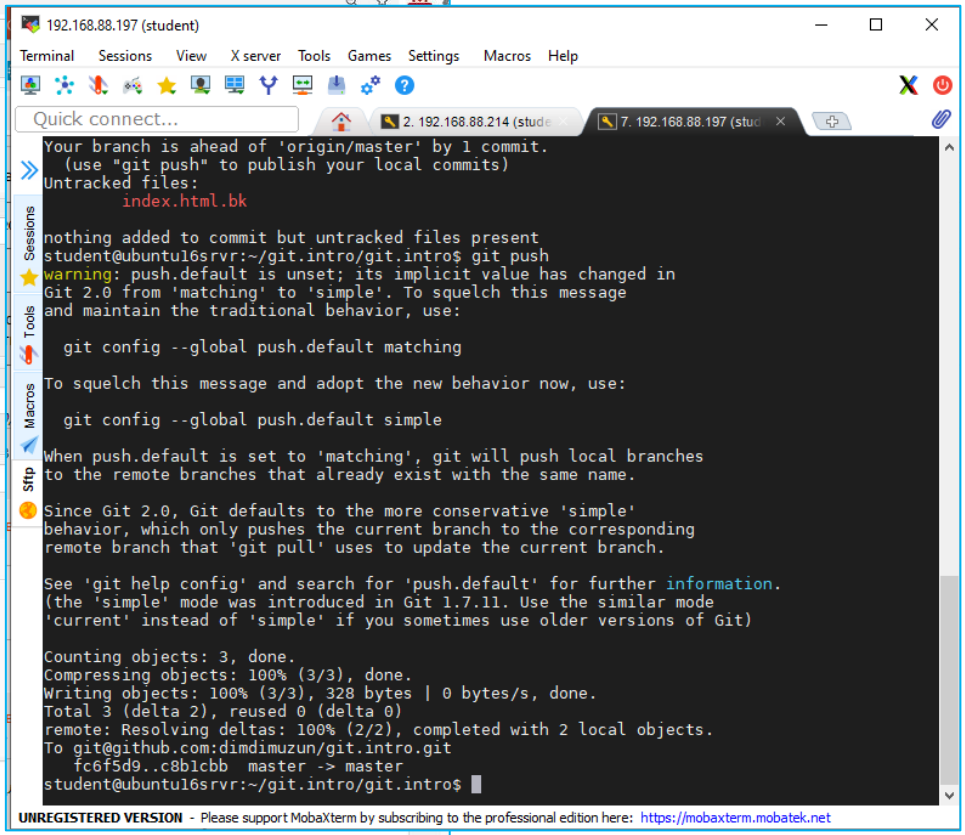


Simple CI/CD pipeline example






Не защищено | 192.168.88.214:8080/job/siple-pipeline-example/configure
Jenkins › siple-pipeline-example ›
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Source Code Management
None
Git
Repositories
Repository URL
git@github.com:dimdimuzun/git.intro.git
Credentials
dimdimuzun (github-ssh-key-new)
Add
Branches to build
Branch Specifier (blank for 'any')
*/master
Repository browser
(Auto)
Additional Behaviours
Add
Subversion
Build Triggers
Trigger builds remotely (e.g., from scripts)
Build after other projects are built
Build periodically
GitHub hook trigger for GITScm polling
Poll SCM
Schedule
H/2 * * * *
Would last have run at Friday, November 22, 2019 4:25:35 PM EET; would next run at Friday, November 22, 2019 4:25:35 PM EET.
Save
Apply
Ignore post-commit hooks


192.168.88.197 (student)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 192.168.88.214 (stude
7. 192.168.88.197 (stud
Sessions
Tools
Macros
Sftp
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
Untracked files:
index.html.bk
nothing added to commit but untracked files present
student@ubuntu16srvr:~/git.intro/git.intro$ git push
warning: push.default is unset; its implicit value has changed in
Git 2.0 from 'matching' to 'simple'. To squelch this message
and maintain the traditional behavior, use:
git config --global push.default matching
To squelch this message and adopt the new behavior now, use:
git config --global push.default simple
When push.default is set to 'matching', git will push local branches
to the remote branches that already exist with the same name.
Since Git 2.0, Git defaults to the more conservative 'simple'
behavior, which only pushes the current branch to the corresponding
remote branch that 'git pull' uses to update the current branch.
See 'git help config' and search for 'push.default' for further information.
(the 'simple' mode was introduced in Git 1.7.11. Use the similar mode
'current' instead of 'simple' if you sometimes use older versions of Git)
Counting objects: 3, done.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 328 bytes | 0 bytes/s, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To git@github.com:dimdimuzun/git.intro.git
fc6f5d9..c8b1cbb master -> master
student@ubuntu16srvr:~/git.intro/git.intro$
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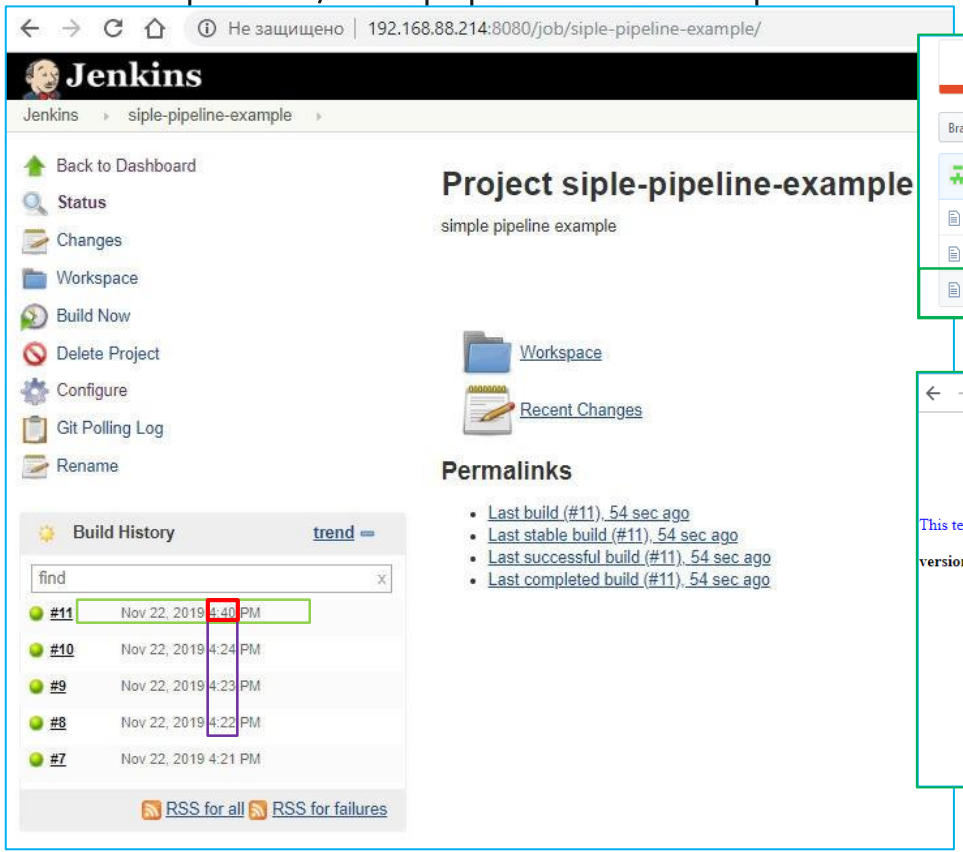
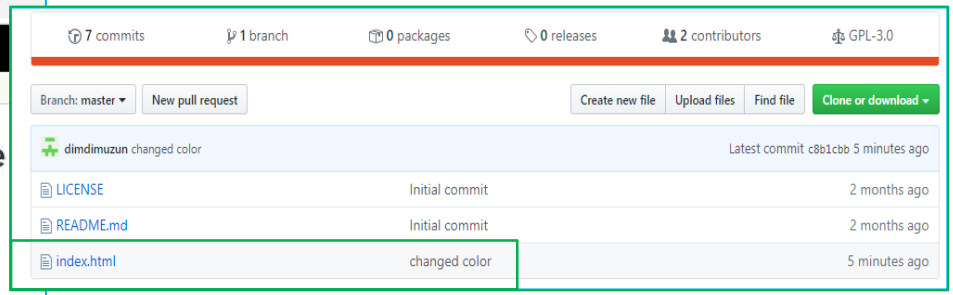
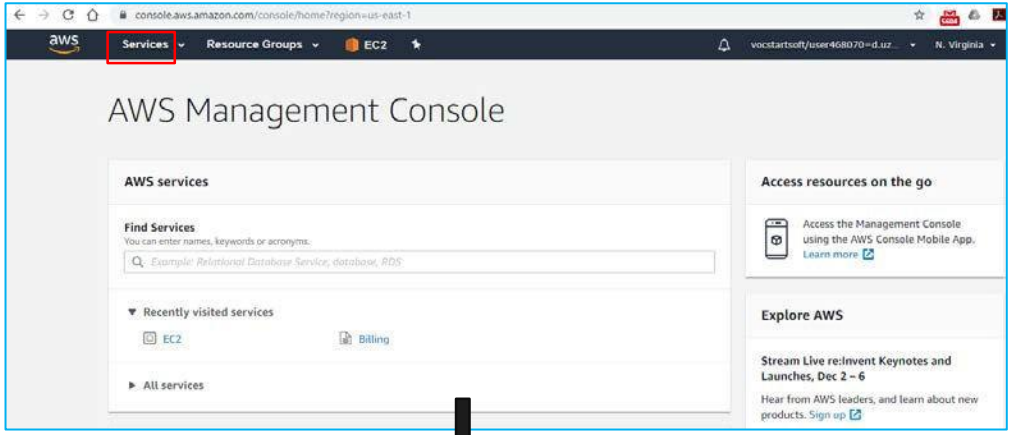
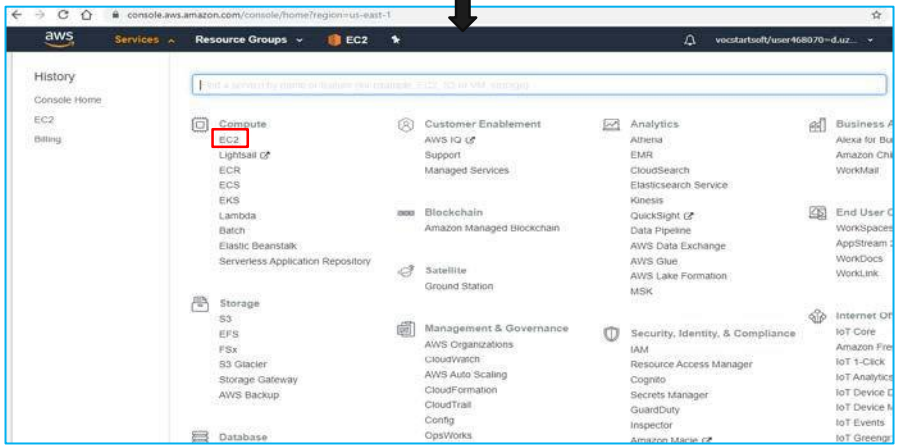
Simple CI/CD pipeline example

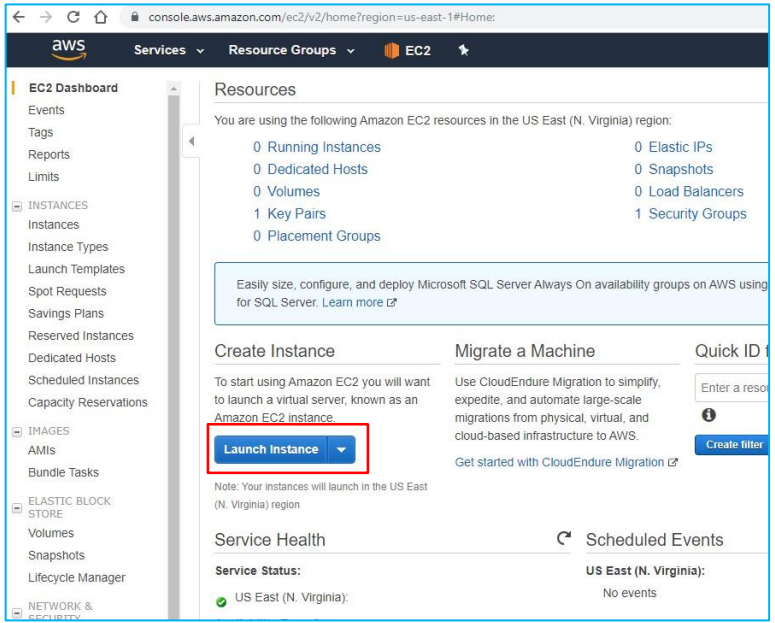




Simple CI/CD pipeline example using AWS







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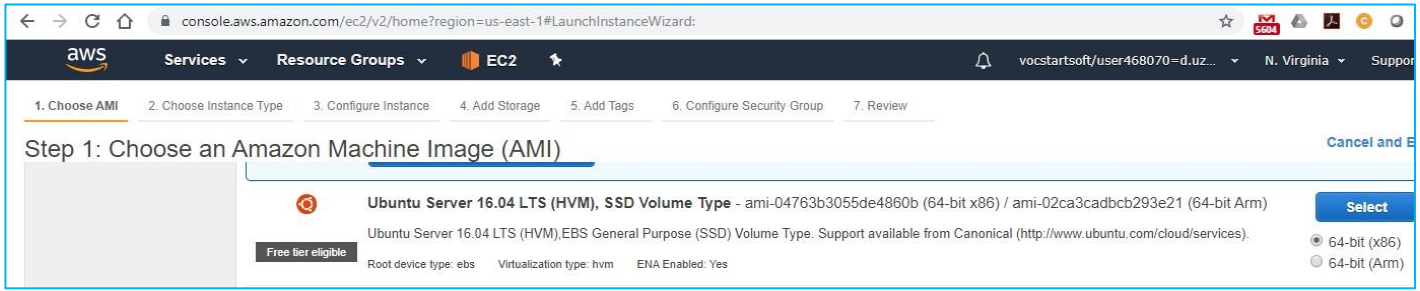

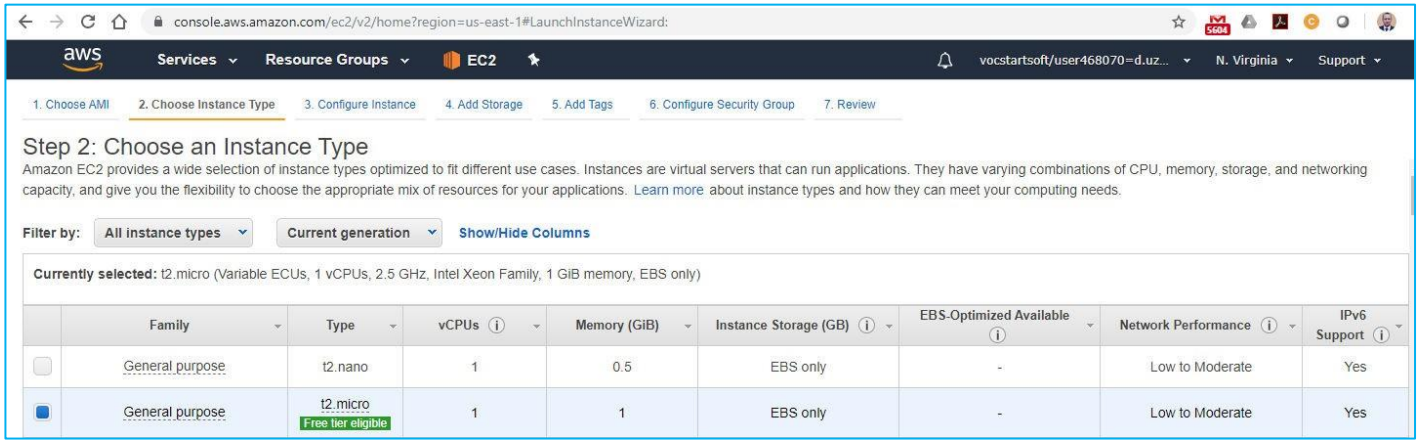

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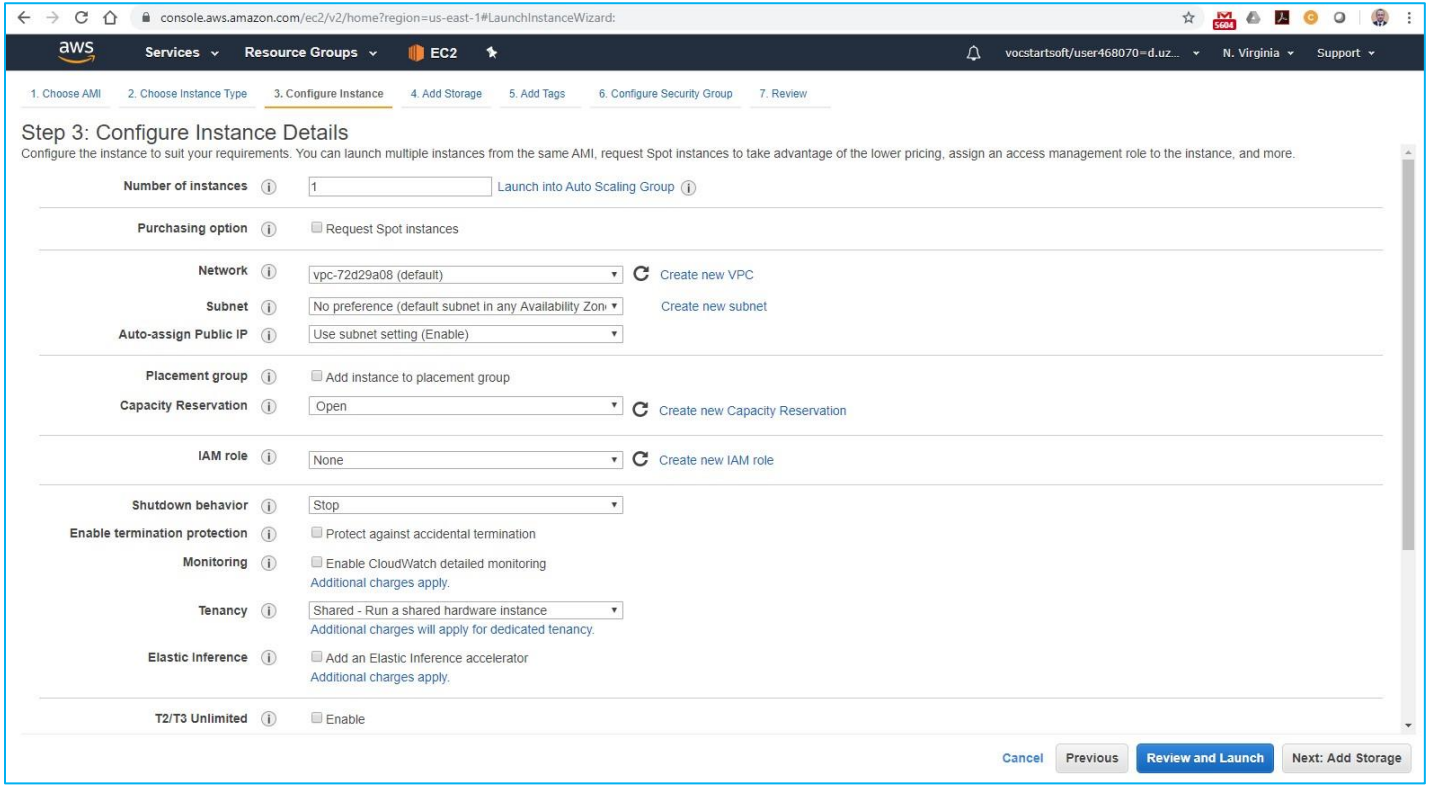

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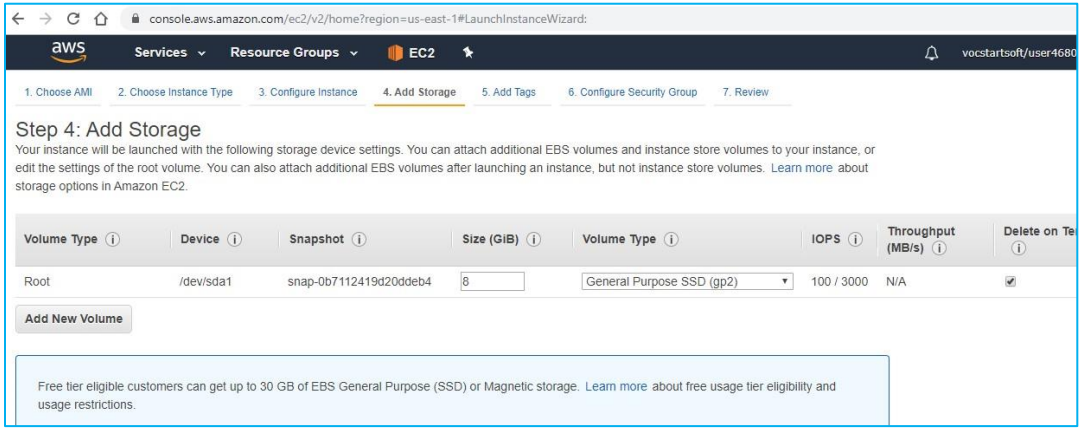

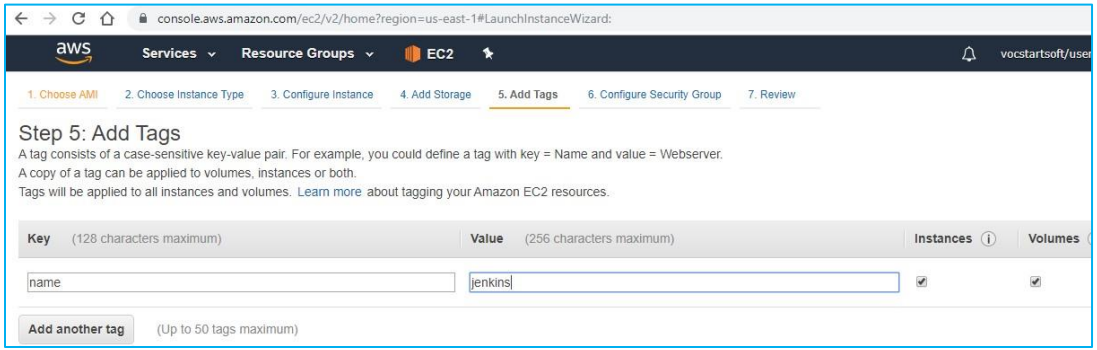

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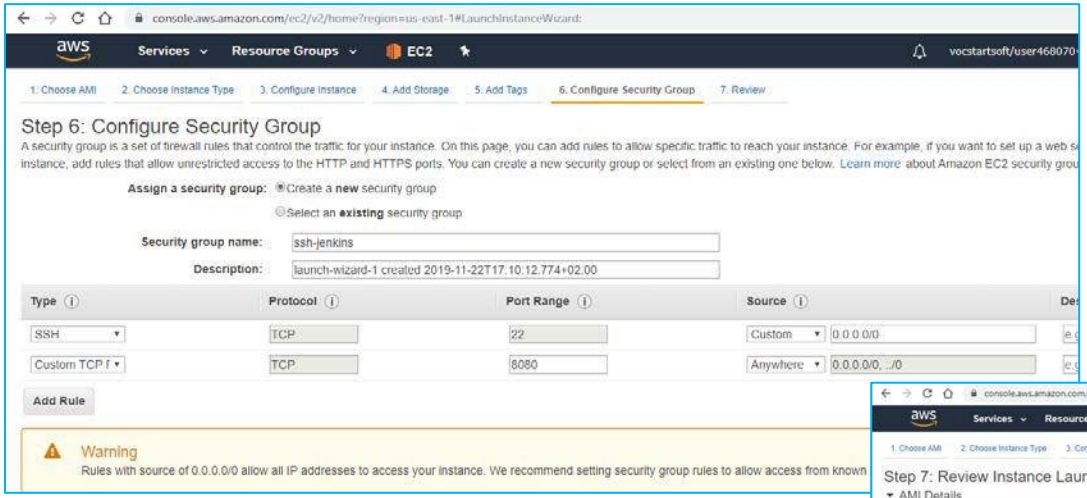

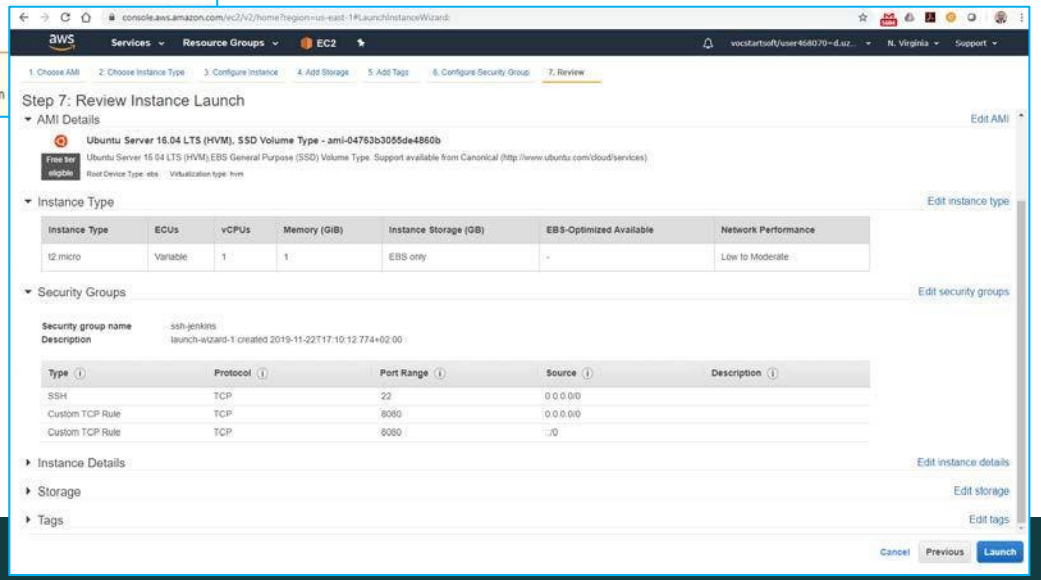

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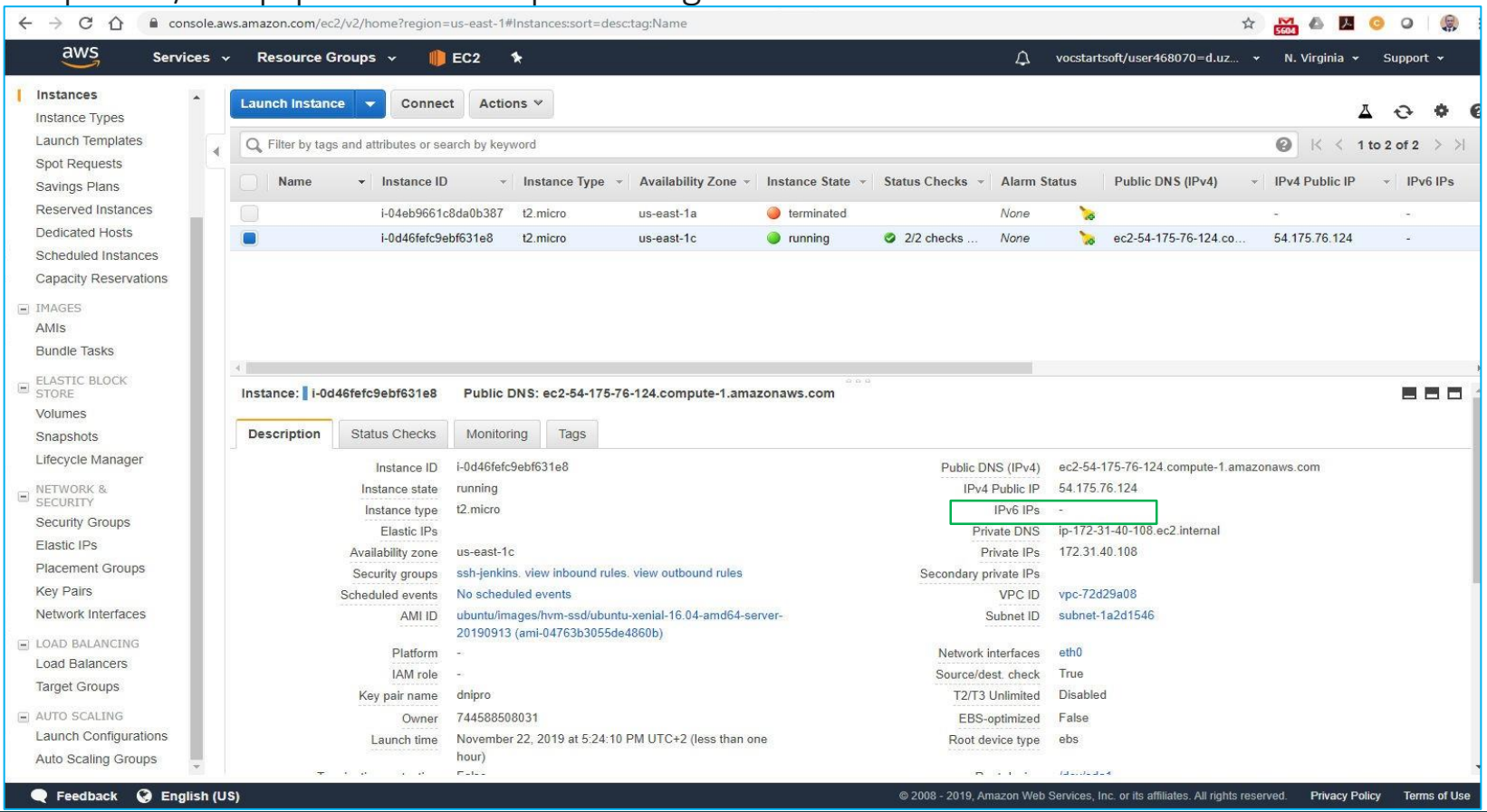

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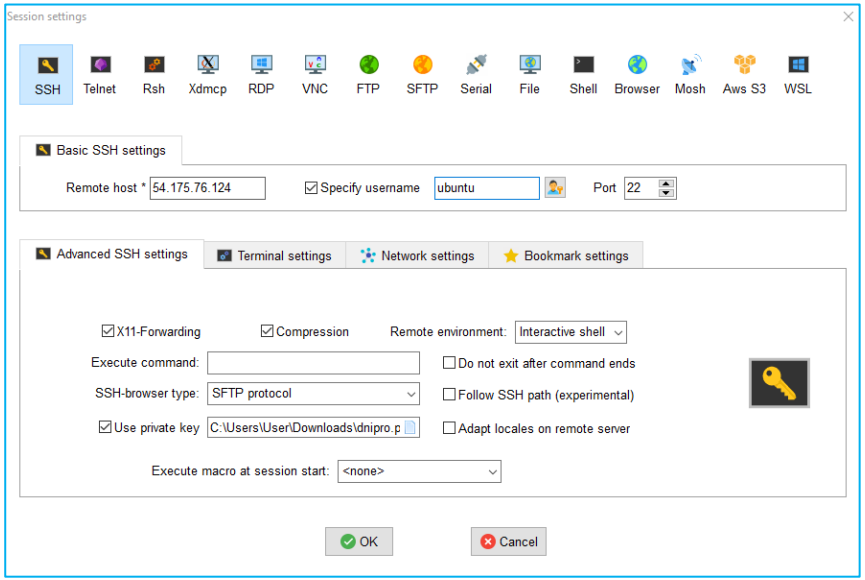

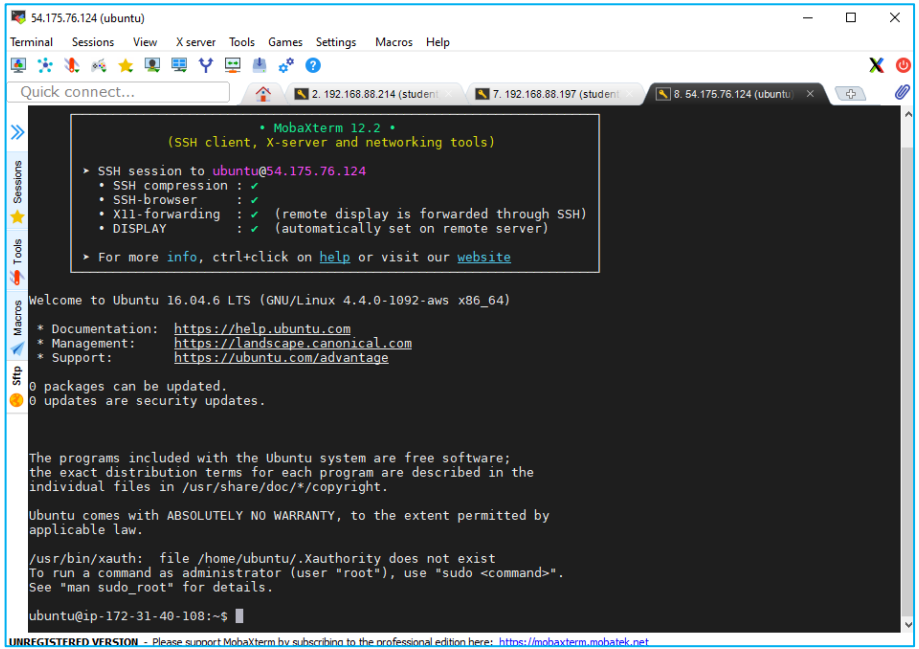

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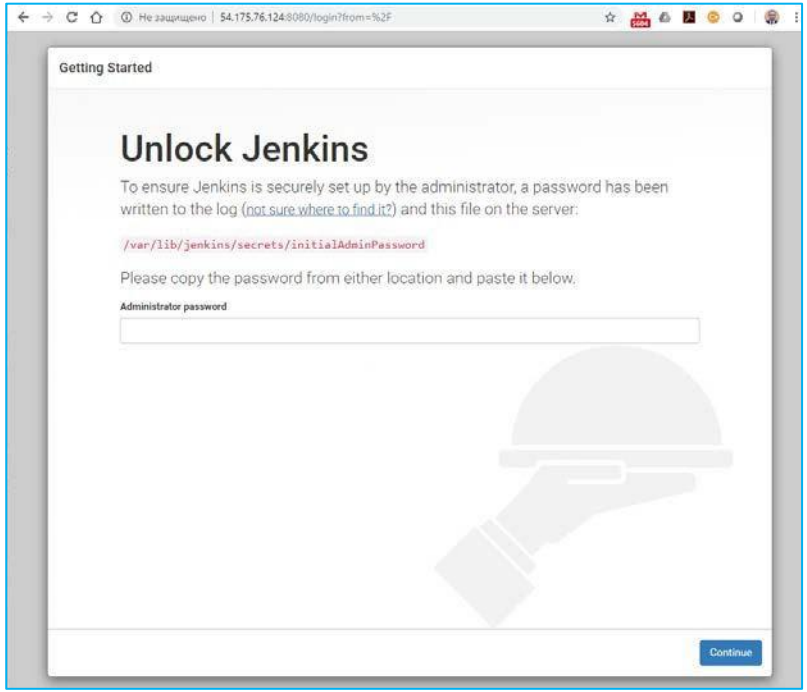

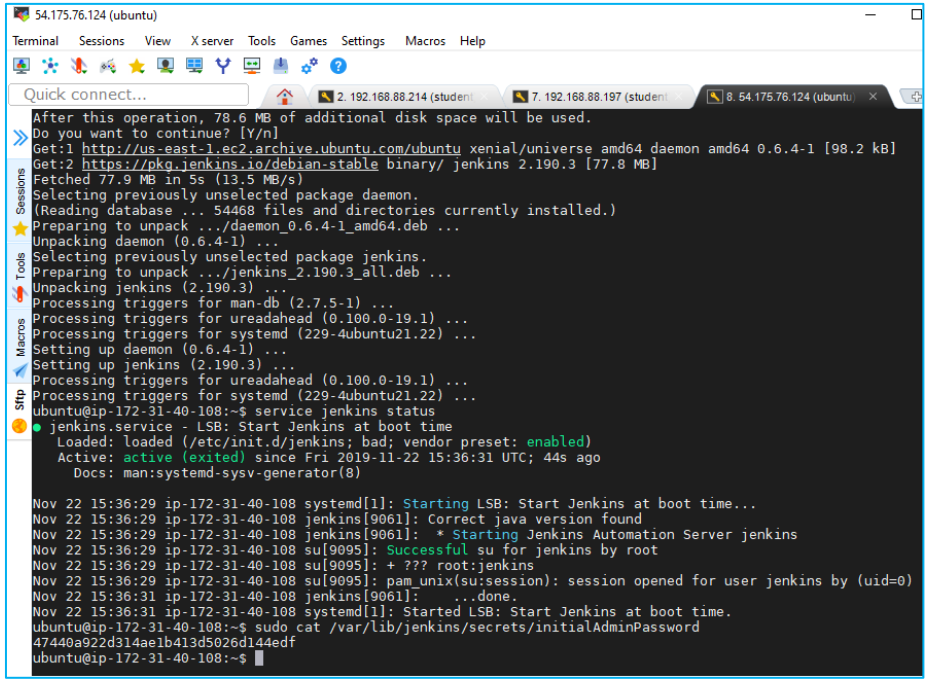

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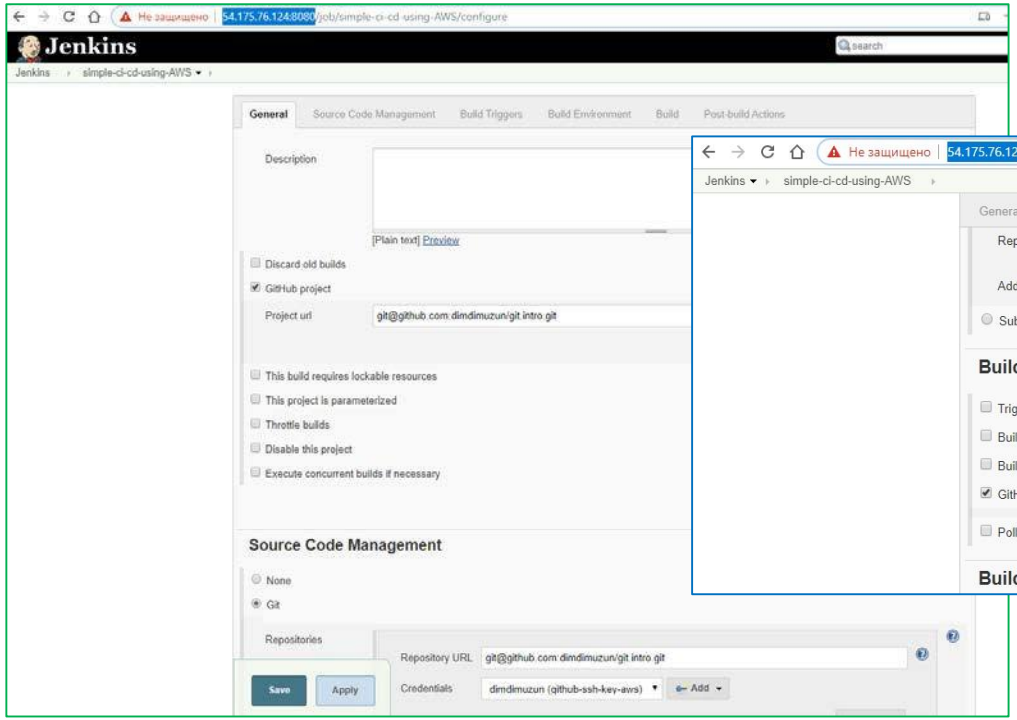

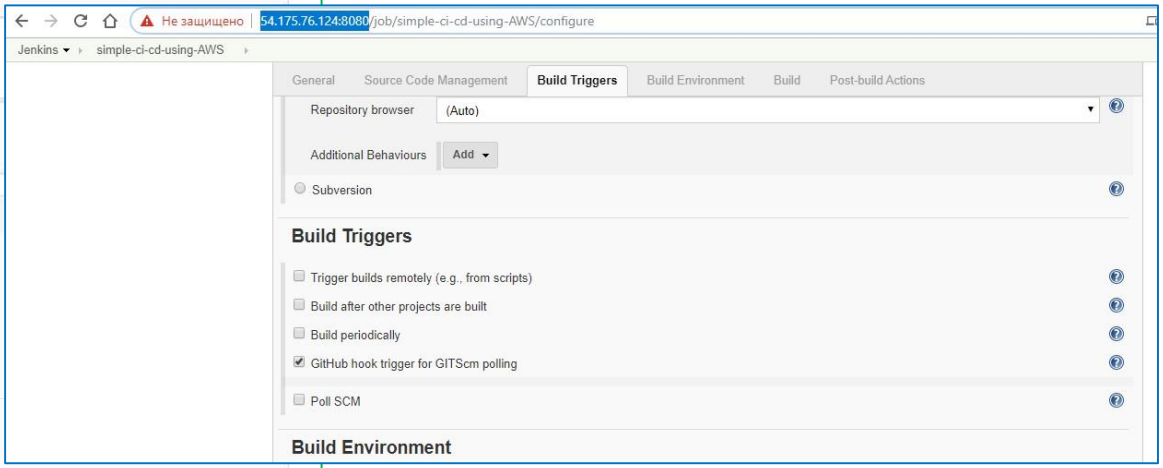

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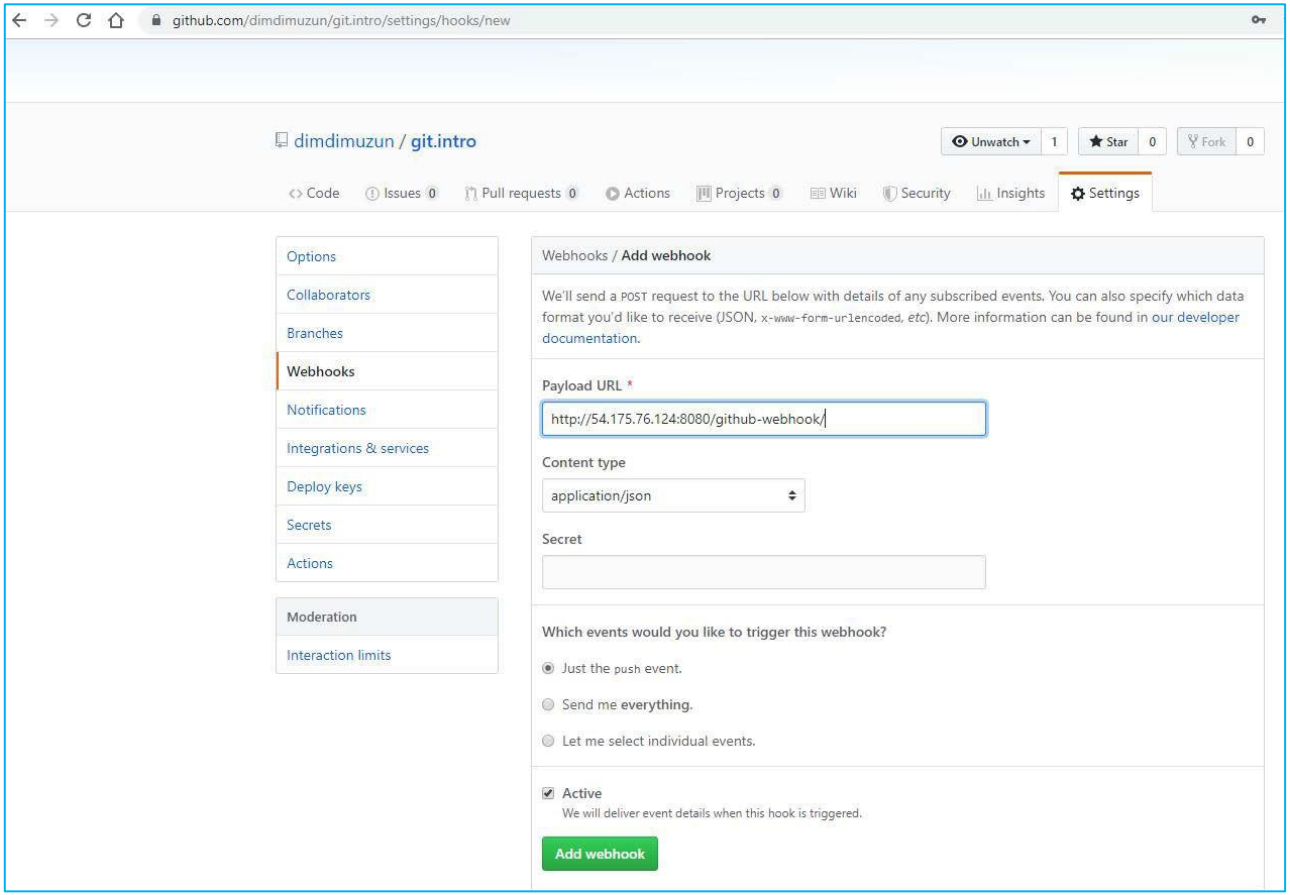

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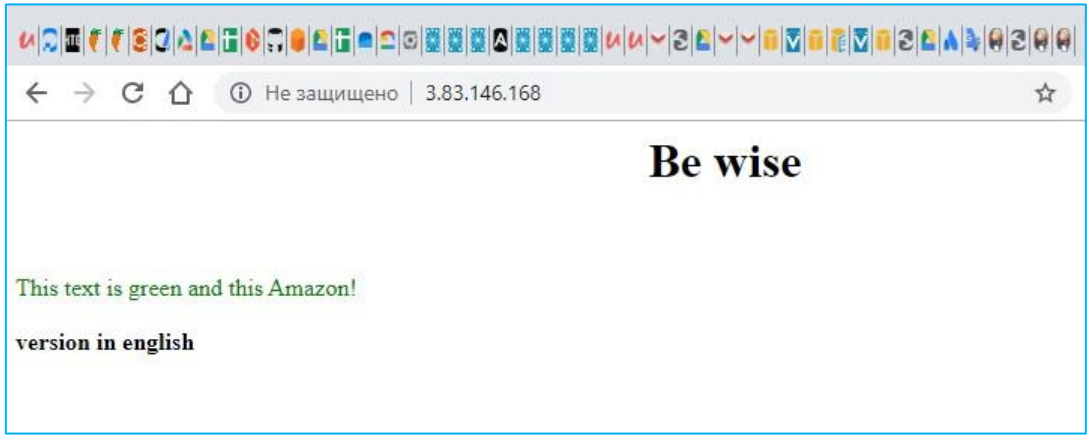

References

- https://wiki.jenkins.io/display/JENKINS/Publish+Over+SSH+Plugin
- https://jenkins.io/doc/pipeline/steps/publish-over-ssh/

Q&A


Thank you!