

MSSV: 1815060002

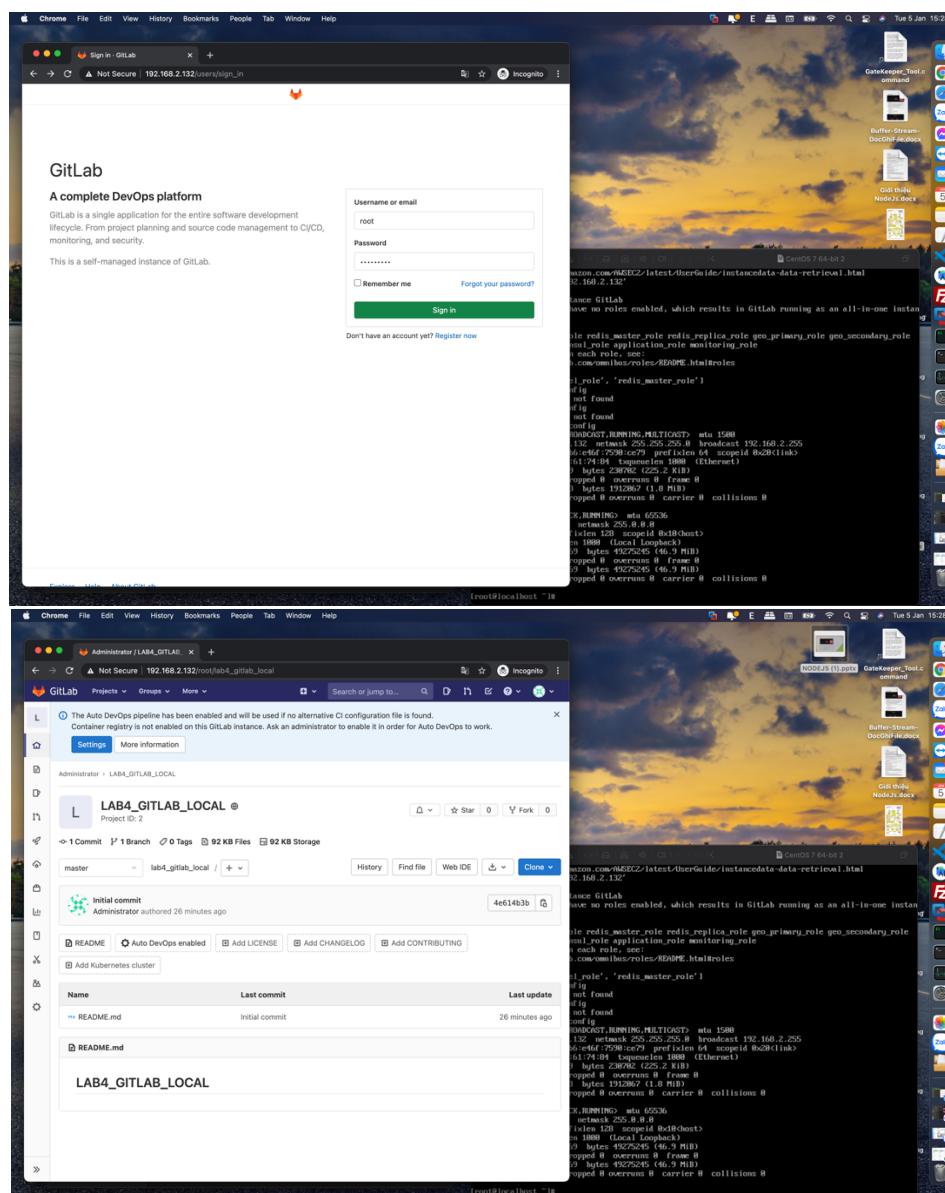
Họ Tên: Đặng Ngọc Duy

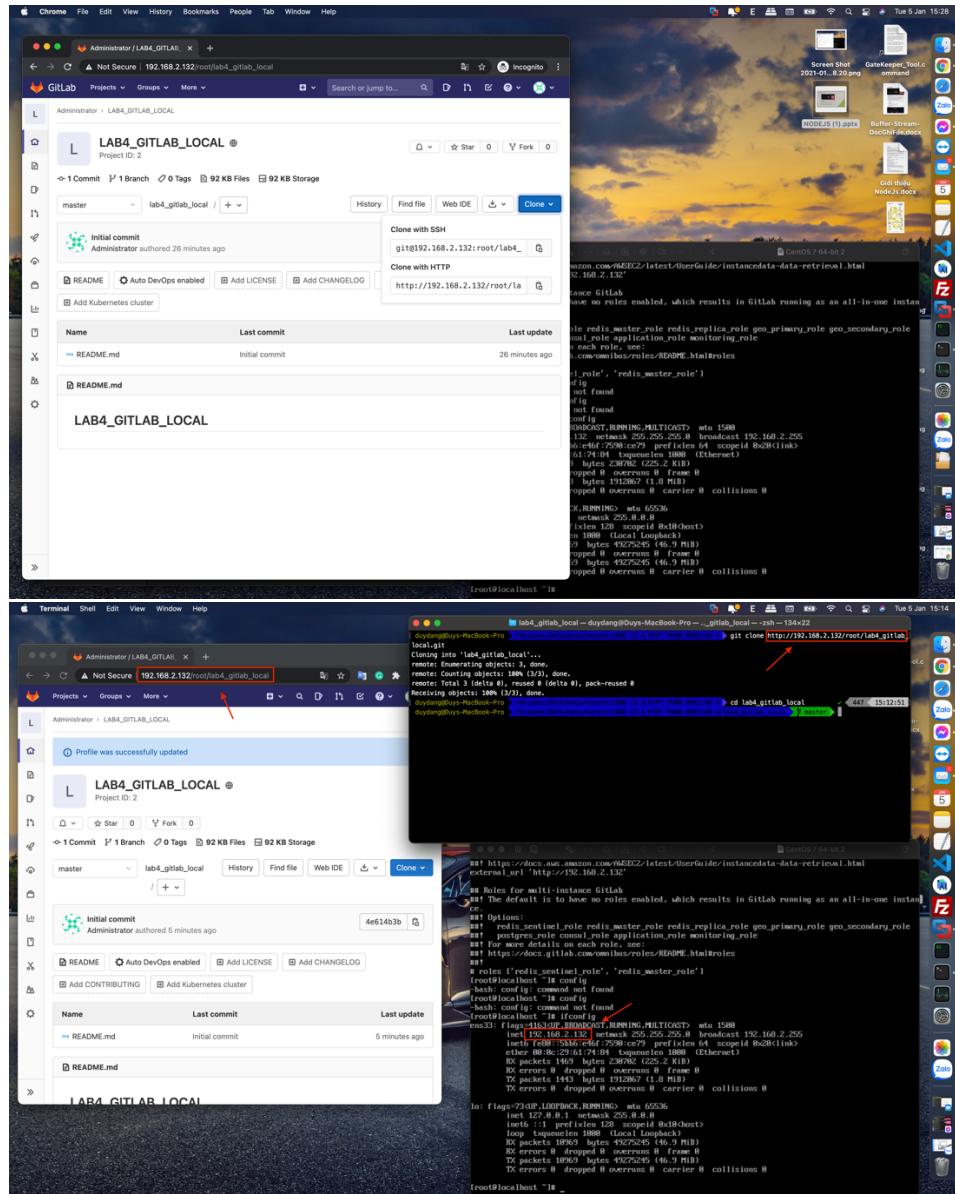
Lớp: 18HTHA1

CÔNG CỤ VÀ MÔI TRƯỜNG PHÁT TRIỂN PHẦN MỀM

LAB 4: GitLab

1. Dựng GitLab Server (gitlab-ce) trên Centos 7, login bằng root tạo repo tên lab4_gitlab_local trên server và local, clone project về local





2. Tạo user và add user vừa tạo vào project với quyền Developer

The screenshot displays a macOS desktop environment with two open browser windows. Both windows are running on the same IP address, 192.168.2.132.

Top Window (Admin Area Dashboard):

- Projects:** 2 (New project)
- Users:** 2 (New user, Users statistics)
- Groups:** 1 (New group)
- Statistics:**
 - Forks: 0
 - Issues: 0
 - Merge Requests: 0
 - Notes: 0
 - Snippets: 0
 - SSH Keys: 0
 - Milestones: 0
 - Active Users: 1
- Features:**
 - LDAP: ✓
 - Gravatar: ✓
 - OmniAuth: ✓
 - Reply by email: ✓
 - Container Registry: ✓
 - Gitalb Pages: ✓
 - Shared Runners: ✓
- Components (up-to-date):**
 - GitLab Shell: 13.7.1 (c97c8073a0e)
 - GitLab Workhorse: v8.58.0
 - GitLab API: v4
 - Ruby: 2.7.2p37
 - Rails: 6.0.3.3
 - PostgreSQL: 12.4
 - Redis: 5.0.9
 - Gitalb Servers
- Latest projects:** Administrator / LABA_... 23 minutes ago; GitLab Instance / Mon... 41 minutes ago
- Latest users:** duy dang (just now), Administrator (41 minutes ago)
- Latest groups:** GitLab Instance (41 minutes ago)

Bottom Window (User Details):

- User:** duy dang (Pending approval)
- Account:**
 - Name: duy dang
 - Username: duyhang01
 - Email: softwareit24@gmail.com (Verified)
 - ID: 2
 - Namespace ID: 3
 - Two-factor Authentication: Disabled
 - External User: No
 - Can create groups: Yes
 - Personal projects limit: 100000
- Access Requests:**
 - Approved users can:**
 - Log in
 - Access Git repositories
 - Access the API
 - Add be added to groups and projects
 - This user has requested access:**
 - Approved users can:**
 - Log in
 - Access Git repositories
 - Access the API
 - Add be added to groups and projects
 - Rejected users:**
 - Cannot sign in or access instance information
 - Will be deleted

The screenshot shows a macOS desktop environment with several open windows:

- Top Window (Chrome):** Admin Area > Users > duy dang. A modal dialog says "Successfully approved". Below it, the user profile for "duy dang" is shown, including a photo, profile page link, and account details like Name: duy dang, Username: duydang01, Email: softwareit24@gmail.com (verified), ID: 2, Namespace ID: 3, and Two-factor Authentication: Disabled.
- Middle Window (GitLab):** Project members for LAB4_GITLAB_LOCAL. It shows a sidebar with options like Project overview, Repository, Issues, Merge Requests, CI / CD, Packages & Registries, Analytics, Wiki, Snippets, and Members (which is selected). The main area shows the "Project members" section with a search bar for "Invite member" (containing "duy dang"), a dropdown for "Choose a role permission" (set to Guest), and an "Access expiration date" field. At the bottom, there's a table for "Existing members and groups" showing one member: "Administrator @root" (it's you) with "Given access 30 minutes ago".
- Bottom Window (Terminal):** A terminal session on CentOS 7 64-bit 2. The command run was "git clone https://gitlab.com/442EC2/test/userGuide/instanceData-data-retrieval.html". The output shows various log entries, including Redis configuration and file retrieval details.

3. Tạo branch mới (duydang01 và duyhang02), tạo file mới tiến hành thao tác để push file lên branch vừa tạo

```

root@lab4:~# cd lab4_github_local -> duydang@Duy's-MacBook-Pro ..._gitlab_local -> sh - 168x57
MacBook-Pro: ~$ git clone http://192.168.2.132/root/lab4_github_local.git
Cloning into 'lab4_github_local'...
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
root@lab4:~# cd lab4_github_local
root@lab4:~/lab4_github_local$ git checkout -b duydang01
Switched to a new branch 'duydang01'
root@lab4:~/lab4_github_local$ touch duydang01.txt
root@lab4:~/lab4_github_local$ vi duydang01.txt
root@lab4:~/lab4_github_local$ git pull origin master
warning: Pulling without specifying how to reconcile divergent branches is
discouraged. You can squint this message by running one of the following
commands sometime before your next pull:
git config pull.rebase false # merge (the default strategy)
git config pull.rebase true
git config pull.ff only
git config --global pull.ff only
You can replace 'git config' with 'git config --global' to set a default
pull strategy for all repositories. You can also pass --rebase, --no-rebase,
or --ff-only on the command line to override the configured default per
invocation.
From http://192.168.2.132/root/lab4_github_local
 * branch            master       -> FETCH_HEAD
Already up to date.
root@lab4:~/lab4_github_local$ git add duydang01.txt
root@lab4:~/lab4_github_local$ git commit -m "duydang01 upload file txt me"
[duydang01 79e01cf] upload file txt me
 1 file changed, 1 insertion(+)
 create mode 100644 duydang01.txt
root@lab4:~/lab4_github_local$ git config --global --edit
root@lab4:~/lab4_github_local$ git config --global upload.file.txt me
root@lab4:~/lab4_github_local$ git commit -m "duydang01 upload file txt me"
On branch duydang01
nothing to commit, working tree clean
root@lab4:~/lab4_github_local$ git push origin duydang01
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 355 bytes | 355.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
root@lab4:~/lab4_github_local$ 

```

Two screenshots of a macOS desktop environment showing a GitLab project and a terminal window.

Screenshot 1 (Top):

- GitLab Project:** LAB4_GITLAB_LOCAL - Repository. It shows a file named "duydang01" with content "Duy Dang IT authored 4 minutes ago".
- Terminal:**

```

Cloning into 'lab4_github_local'...
remote: Enumerating objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
git config pull.rebase false # merge (the default strategy)
git config pull.rebase true # rebase
git config pull.ff only
You can replace "git config" with "git config --global" to set a default preference for all repositories. You can also pass --rebase, --no-rebase, or --ff-only on the command line to override the configured default per invocation.
From http://192.168.2.132/root/lab4_github_local
 * branch            master      -> FETCH_HEAD
Switched to a new branch 'duydang01'.
git checkout -b dudyang01
touch dudyang01.txt
vi dudyang01.txt
git pull origin master
warning: Pulling without specifying how to reconcile divergent branches is discouraged. You can squelch this message by running one of the following commands sometime before your next pull:
git config pull.rebase false # merge (the default strategy)
git config pull.rebase true # rebase
git config pull.ff only
git config --global --edit
After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author
git config --global --edit
git commit --amend --reset-author
1 file changed, 3 insertions(+)
create mode 100644 dudyang01.txt
git config --global --edit
git commit -m "Duydang01 upload file txt nhe"
git push origin dudyang01
On branch dudyang01
nothing to commit, working tree clean
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 355 bytes | 355.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
  
```

Screenshot 2 (Bottom):

- GitLab Project:** LAB4_GITLAB_LOCAL - Repository. It shows a file named "duydang01.txt" with content "1: hoten: Bang Nguo Buy 2: mssv: 1815060002 3: lop: 18Hthal".
- Terminal:**

```

git config pull.rebase false # merge (the default strategy)
git config pull.rebase true # rebase
git config pull.ff only
You can replace "git config" with "git config --global" to set a default preference for all repositories. You can also pass --rebase, --no-rebase, or --ff-only on the command line to override the configured default per invocation.
From http://192.168.2.132/root/lab4_github_local
 * branch            master      -> FETCH_HEAD
Switched to a new branch 'duydang01'.
git checkout -b dudyang01
touch dudyang01.txt
vi dudyang01.txt
git pull origin master
warning: Pulling without specifying how to reconcile divergent branches is discouraged. You can squelch this message by running one of the following commands sometime before your next pull:
git config pull.rebase false # merge (the default strategy)
git config pull.rebase true # rebase
git config pull.ff only
git config --global --edit
After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author
git config --global --edit
git commit --amend --reset-author
1 file changed, 3 insertions(+)
create mode 100644 dudyang01.txt
git config --global --edit
git commit -m "Duydang01 upload file txt nhe"
git push origin dudyang01
On branch dudyang01
nothing to commit, working tree clean
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 355 bytes | 355.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: To create a merge request for dudyang01, visit:
remote:   https://192.168.2.132/root/lab4_github_local/-/merge_requests/new?merge_request%26source_branch%26dudyang01
To http://192.168.2.132/root/lab4_github_local
 * [new branch]      dudyang01 -> dudyang01
dudyang01@MacBook-Pro:~$ 
  
```

```

Administrator | LAB4_GITLAB_LOCAL | Repository | Branches
Overview Active State All Filter by branch name

Protected branches can be managed in project settings.

Active branches

Y duyhang02
- 65143f1d - duyhang02 upload file txt - 1 minute ago

Y duyhang01
- 79ed3c1f - duyhang01 upload file txt nhe - 11 minutes ago

Y master edit protect
- 4e514b3b - Initial commit - 1 hour ago

git config --global user.name "Your Name"
git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 duyhang02.txt

On branch duyhang02
nothing to commit, working tree clean
Enumerating objects: 4, done.
Counting objects: 4, done.
Data compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 323.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
  pushing to http://192.168.2.132/root/lab4_gitlab_local.git
  [new branch] duyhang02 -> duyhang02
duyhang02@MacBook-Pro: /Users/duyhang02/Desktop/LAB4_GITLAB_LOCAL$ git push origin duyhang02
[444]: 16:35(53)

```

4. Merge thay đổi từ 2 nhánh mới vào nhánh chính (Master) và push code lên lại nhánh chính

```

Administrator | LAB4_GITLAB_LOCAL | Repository | Branches
Overview Active State All Filter by branch name

LAB4_GITLAB_LOCAL @
Project ID: 2

- 4 Commits 3 Branches 0 Tags 133 KB Files 133 K

master - lab4_gitlab_local / + ▾

Merge branch 'duyhang02'
duyhang02 authored 6 minutes ago

README Auto DevOps enabled Add LICENSE
Add Kubernetes cluster

Name Last commit
--- README.md Initial commit
duyhang01.txt duyhang01 upload file txt
duyhang02.txt duyhang02 upload file txt

README.md

LAB4_GITLAB_LOCAL

git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
git merge duyhang02
Fast-forward
duyhang02.txt | 1 +----- 1 file changed, 1 insertion(+)
create mode 100644 duyhang02.txt
Automatic merge went well.
duyhang02.txt | 1 +----- 1 file changed, 1 insertion(+)
create mode 100644 duyhang02.txt
Automatic merge went well.
On branch master
Your branch is ahead of 'origin/master' by 2 commits.
Last commit: 6 minutes ago (by duyhang02)
Nothing to commit, working tree clean
git commit -m "Merge 2 nhánh vào main"
On branch master
Your branch is ahead of 'origin/master' by 2 commits.
Last commit: 6 minutes ago (by duyhang02)
Nothing to commit, working tree clean
git push origin master
remote: You are not allowed to push code to protected branches on this project.
To http://192.168.2.132/root/lab4_gitlab_local.git
error: failed to push some refs to 'http://192.168.2.132/root/lab4_gitlab_local.git'
duyhang02@MacBook-Pro: /Users/duyhang02/Desktop/LAB4_GITLAB_LOCAL$ git config --global user.name "root"
duyhang02@MacBook-Pro: /Users/duyhang02/Desktop/LAB4_GITLAB_LOCAL$ git push origin master
[551]: 16:38(59)

```

5. Check out vào 2 nhánh để sửa cùng 1 file duyhang02.txt sau đó push lên mỗi nhánh, đứng ở nhánh chính (Master) merge 2 nhánh vào và xử conflict

```

Terminal 1 (Top):
Administrator [LAB4_GITLAB] ✘ + Not Secure | 192.168.2.132/root/lab4_gitlab_local
Administrator [LAB4_GITLAB] ✘ + git config pull.rebase false # merge (the default strategy)
Administrator [LAB4_GITLAB] ✘ + git config pull.rebase true # rebase
Administrator [LAB4_GITLAB] ✘ + git config pull.ff only # fast-forward only
Administrator [LAB4_GITLAB] ✘ + You can replace "git config" with "git config --global" to set a default preference for all repositories. You can also pass --rebase, --no-rebase, or --ff-only on the command line to override the configured default per invocation.
Administrator [LAB4_GITLAB] ✘ + From https://192.168.2.132/root/lab4_gitlab_local
Administrator [LAB4_GITLAB] ✘ + * branch            master      -> FETCH_HEAD
Administrator [LAB4_GITLAB] ✘ + Already up to date.
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + Merge branch 'duyhang02'
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + README README.md
Administrator [LAB4_GITLAB] ✘ + Auto DevOps enabled
Administrator [LAB4_GITLAB] ✘ + Add LICENSE
Administrator [LAB4_GITLAB] ✘ + Add Kubernetes cluster
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + Name Last commit
Administrator [LAB4_GITLAB] ✘ + README.md Initial commit
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + duydang01.txt duydang01 upload file txt
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + duydang02.txt duydang02 upload file txt
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + README.md
Administrator [LAB4_GITLAB] ✘ + LAB4_GITLAB_LOCAL

Terminal 2 (Bottom):
Administrator [LAB4_GITLAB] ✘ + Not Secure | 192.168.2.132/root/lab4_gitlab_local
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + git config global user.name "Your Name"
Administrator [LAB4_GITLAB] ✘ + git config global user.email you@example.com
Administrator [LAB4_GITLAB] ✘ + After doing this, you may fix the identity used for this commit with:
Administrator [LAB4_GITLAB] ✘ + git commit --amend --reset-author
Administrator [LAB4_GITLAB] ✘ + 1 file changed, 1 insertion(+), 1 deletion(-)
Administrator [LAB4_GITLAB] ✘ + duydang02/Merge-Request-1/duydang02/duydang02.txt > duydang02
Administrator [LAB4_GITLAB] ✘ + git checkout duydang02
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + warning: Pulling without specifying how to reconcile divergent branches is discouraged. See git-pull(1) for more information by running one of the following commands sometime before your next pull.
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + git config pull.rebase false # merge (the default strategy)
Administrator [LAB4_GITLAB] ✘ + git config pull.rebase true # rebase
Administrator [LAB4_GITLAB] ✘ + git config pull.ff only # fast-forward only
Administrator [LAB4_GITLAB] ✘ + You can replace "git config" with "git config --global" to set a default preference for all repositories. You can also pass --rebase, --no-rebase, or --ff-only on the command line to override the configured default per invocation.
Administrator [LAB4_GITLAB] ✘ + From https://192.168.2.132/root/lab4_gitlab_local
Administrator [LAB4_GITLAB] ✘ + * branch            master      -> FETCH_HEAD
Administrator [LAB4_GITLAB] ✘ + Updating 6f543f1..4fb0fe
Administrator [LAB4_GITLAB] ✘ + Fast-forward
Administrator [LAB4_GITLAB] ✘ +  duydang01.txt | 3 >>>
Administrator [LAB4_GITLAB] ✘ + 1 file changed, 3 insertions(+)
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + By using our site, you acknowledge that you have read and understand our Cookie Policy, Privacy Policy, and our Terms of Service.
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + README README.md
Administrator [LAB4_GITLAB] ✘ + Auto DevOps enabled
Administrator [LAB4_GITLAB] ✘ + Add LICENSE
Administrator [LAB4_GITLAB] ✘ + Add Kubernetes cluster
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + Name Last commit
Administrator [LAB4_GITLAB] ✘ + README.md Initial commit
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + duydang01.txt duydang01 upload file txt
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + duydang02.txt duydang02 upload file txt
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + README.md
Administrator [LAB4_GITLAB] ✘ + LAB4_GITLAB_LOCAL

Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + git config global user.name "Your Name"
Administrator [LAB4_GITLAB] ✘ + git config global user.email you@example.com
Administrator [LAB4_GITLAB] ✘ + After doing this, you may fix the identity used for this commit with:
Administrator [LAB4_GITLAB] ✘ + git commit --amend --reset-author
Administrator [LAB4_GITLAB] ✘ + 1 file changed, 1 insertion(+), 1 deletion(-)
Administrator [LAB4_GITLAB] ✘ + duydang02/Merge-Request-1/duydang02/duydang02.txt > duydang02
Administrator [LAB4_GITLAB] ✘ + git checkout duydang02
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + warning: Pulling without specifying how to reconcile divergent branches is discouraged. See git-pull(1) for more information by running one of the following commands sometime before your next pull.
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + git config pull.rebase false # merge (the default strategy)
Administrator [LAB4_GITLAB] ✘ + git config pull.rebase true # rebase
Administrator [LAB4_GITLAB] ✘ + git config pull.ff only # fast-forward only
Administrator [LAB4_GITLAB] ✘ + You can replace "git config" with "git config --global" to set a default preference for all repositories. You can also pass --rebase, --no-rebase, or --ff-only on the command line to override the configured default per invocation.
Administrator [LAB4_GITLAB] ✘ + From https://192.168.2.132/root/lab4_gitlab_local
Administrator [LAB4_GITLAB] ✘ + * branch            master      -> FETCH_HEAD
Administrator [LAB4_GITLAB] ✘ + Updating 6f543f1..4fb0fe
Administrator [LAB4_GITLAB] ✘ + Fast-forward
Administrator [LAB4_GITLAB] ✘ +  duydang01.txt | 3 >>>
Administrator [LAB4_GITLAB] ✘ + 1 file changed, 3 insertions(+)
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + By using our site, you acknowledge that you have read and understand our Cookie Policy, Privacy Policy, and our Terms of Service.
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + README README.md
Administrator [LAB4_GITLAB] ✘ + Auto DevOps enabled
Administrator [LAB4_GITLAB] ✘ + Add LICENSE
Administrator [LAB4_GITLAB] ✘ + Add Kubernetes cluster
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + Name Last commit
Administrator [LAB4_GITLAB] ✘ + README.md Initial commit
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + duydang01.txt duydang01 upload file txt
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + duydang02.txt duydang02 upload file txt
Administrator [LAB4_GITLAB] ✘ + 
Administrator [LAB4_GITLAB] ✘ + README.md
Administrator [LAB4_GITLAB] ✘ + LAB4_GITLAB_LOCAL

```

The screenshot shows a Mac desktop with three main windows:

- GitLab Project Page:** A browser window displaying the `LAB4_GITLAB_LOCAL` project. It shows 4 commits, 3 branches, and 0 tags. The `master` branch is selected. A merge request from `duydang02` is visible.
- Terminal 1 (Top):** A terminal window titled `Administrator : LAB4_GITLAB`. It shows a warning about the user's name and email being automatically set. The command `git commit -a "duydang02 cung sua file duydang02.txt"` is run, followed by `git push origin duydang02`.
- Terminal 2 (Bottom):** A terminal window titled `lab4_github_local - duydang02`. It shows the command `git checkout master`, then `git merge duydang02`. It indicates a fast-forward merge and shows the resulting commit message: `duydang02 (2) [me cac ban]`.

At the bottom of the screen, a status bar displays the date as `Tue Jan 5 16:52`.

LAB4_GITLAB_LOCAL

```

Administrator : LAB4_GITLAB_LOCAL
L Project ID: 2
4 Commits 3 Branches 0 Tags 133 KB Files
master lab4_gitlab_local + 
Merge branch 'duy dang02'
duy dang02 authored 6 minutes ago
 README.md Auto DevOps enabled Add LICENSE
Add Kubernetes cluster
Name Last commit
README.md Initial commit
duy dang01.txt duy dang01 uploaded file.txt
duy dang02.txt duy dang02 uploaded file.txt
 README.md
LAB4_GITLAB_LOCAL

```

git checkout master
git merge duy dang02
git merge duy dang02
git merge duy dang02
git commit -m "Fixed conflict va merge 2 nhau"

duy dang01.txt
git add duy dang01.txt
git commit -m "Fixed conflict va merge 2 nhau vao master"
git push origin master

git config --global user.name "Duy dang"
git config --global user.email duy@example.com

After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author

git push origin master

git checkout master
git merge duy dang01
git merge duy dang02
git merge duy dang02
git add duy dang02.txt
git commit -m "Fixed conflict va merge 2 nhau vao master"
git push origin master

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LAB4_GITLAB_LOCAL

```

Administrator : LAB4_GITLAB_LOCAL
L Project ID: 2
4 Commits 3 Branches 0 Tags 154 KB Files 154 KB Storage
master lab4_gitlab_local + 
Fixed conflict va merge 2 nhau vao master
12db8671
 README.md Auto DevOps enabled Add CHANGELOG Add CONTRIBUTING
Add Kubernetes cluster
Name Last commit Last update
README.md Initial commit 1 hour ago
duy dang01.txt duy dang01 upload file.txt nhe 31 minutes ago
duy dang02.txt Fixed conflict va merge 2 nhau vao master 19 seconds ago
 README.md
LAB4_GITLAB_LOCAL

```

git checkout master
git merge duy dang01
git merge duy dang02
git merge duy dang02
git add duy dang02.txt
git commit -m "Fixed conflict va merge 2 nhau vao master"
git push origin master

git checkout master
git merge duy dang01
git merge duy dang02
git merge duy dang02
git add duy dang02.txt
git commit -m "Fixed conflict va merge 2 nhau vao master"
git push origin master

By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#).

```

Tue 5 Jan 16:55
git checkout master
git merge duy dang02
git merge duy dang02
git commit -m "Fixed conflict va merge 2 nhánh"
git add duy dang02.txt
git commit -m "Fixed conflict va merge 2 nhánh"
git push origin master

```

The GitLab interface shows the following commit history:

- git merge duy dang02 (commit 572)
- git merge duy dang02 (commit 573)
- git commit -m "Fixed conflict va merge 2 nhánh" (commit 574)
- git add duy dang02.txt (commit 575)
- git commit -m "Fixed conflict va merge 2 nhánh" (commit 576)
- git push origin master (commit 577)

6. So sánh phiên bản, lịch sử, biểu đồ commit hiện tại của từng nhánh

```

Tue 5 Jan 16:56
git diff a/duy dang02.txt b/duy dang02.txt
diff --git a/duy dang02.txt b/duy dang02.txt
--- a/duy dang02.txt
+++ b/duy dang02.txt
@@ -1,4 +1,4 @@
-1 duy dang 02 [duy dang01 chen ngang ne] ne cac ban
-2 duy dang 02 [dong may duy dang02 them vao de conflict] ne cac ban
-3
-4 da xu ly conflict bang cach giu lai 2 dong code hoac fix.
+1 duy dang 02 [duy dang01 chen ngang ne] ne cac ban
+2 duy dang 02 [dong may duy dang02 them vao de conflict] ne cac ban
+3
+4 da xu ly conflict bang cach giu lai 2 dong code hoac fix.

```

LAB 4 - Git.pdf

```

Terminal Shell Edit View Window Help
Not Secure 192.168.2.132/root/lab4_gitlab_local/-/blob/master/duy dang02.txt
Administrator > LAB4_GITLAB_LOCAL > Repository
master lab4_gitlab_local / duy dang02.txt
Fixed conflict va merge 2 nhanh vao master
root authored just now
duy dang02.txt 172 Bytes
1 duy dang 02 [duy dang01 chen ngang ne] ne cac ban
2 duy dang 02 [dong may duy dang02 them van de conflict]
3 da xu ly conflict bang cach ghi lai 2 dong code hoac
4 doan code
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 319 bytes | 318.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: To create a merge request for duy dang01, visit:
remote: http://192.168.2.132/root/lab4_gitlab_local/-/merge_requests/new?merge_request%5Bsource_branch%5D=duy dang01
remote: http://192.168.2.132/root/lab4_gitlab_local/-/merge_requests/new?merge_request%5Btarget_branch%5D=duy dang01
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
Updating 4fb0fe...2ef6d02 duy dang01 => duy dang02
Fast-forward
  1 file changed, 1 insertion(+), 1 deletion(-)
Auto-merging duy dang02...
CONFLICT (content): Merge conflict in duy dang02.txt
Automatic merge failed; fix conflicts and then commit the result.
duy dang02.txt
git add duy dang02.txt
git merge duy dang02
git commit -m "Fixed conflict va merge 2 nhanh vao master"
U duy dang02.txt
git add duy dang02.txt
git commit -m "Fixed conflict va merge 2 nhanh vao master"
git config --global user.name "Your Name"
git config --global user.email you@example.com
After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author
git push origin master
Compressing objects: 100% (3/3), done.
Delta compression using up to 16 threads
Writing objects: 100% (3/3), 419 bytes | 419.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To http://192.168.2.132/root/lab4_gitlab_local.git
4fb0fe...120867 master => master
duy dang02 cung sua file duy dang02.txt
duy dang01 sua file duy dang02.txt
Merge branch 'duy dang02'
duy dang02 upload file txt
duy dang01 upload file txt nhe
Initial commit
Compressing objects: 100% (3/3), 419 bytes | 419.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To http://192.168.2.132/root/lab4_gitlab_local.git
4fb0fe...120867 master => master
duy dang02 cung sua file duy dang02.txt
duy dang01 sua file duy dang02.txt
Merge branch 'duy dang02'
duy dang02 upload file txt
duy dang01 upload file txt nhe
Initial commit
git checkout master
git merge duy dang02
git merge duy dang02
git diff duy dang01 duy dang02
git add duy dang02.txt
git commit -m "Fixed conflict va merge 2 nhanh vao master"
git push origin master
git push origin master
git push origin master

```

Graph - master - Administrator

```

Graph - master - Administrator
Administrator > LAB4_GITLAB_LOCAL > Graph
master
You can move around the graph by using the arrow keys.
Git revision
Jan 5
duy dang01
duy dang02
Initial commit
Fixed conflict va merge 2 nhanh vao master
duy dang02 cung sua file duy dang02.txt
duy dang01 sua file duy dang02.txt
Merge branch 'duy dang02'
duy dang02 upload file txt
duy dang01 upload file txt nhe
Initial commit

```

```

Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 419 bytes | 419.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To http://192.168.2.132/root/lab4_gitlab_local.git
4fb0fe...120867 master => master
duy dang02 cung sua file duy dang02.txt
duy dang01 sua file duy dang02.txt
Merge branch 'duy dang02'
duy dang02 upload file txt
duy dang01 upload file txt nhe
Initial commit
git checkout master
git merge duy dang02
git merge duy dang02
git diff duy dang01 duy dang02
git add duy dang02.txt
git commit -m "Fixed conflict va merge 2 nhanh vao master"
git push origin master
git push origin master
git push origin master

```

lab4_github_local — git log -p — git - less - git log -p — 16x57

```

commit 113d821139646572483b9873f46d37f048f [HEAD -> master, origin/master, origin/HEAD]
Merge: 2efbd2c 0eab1d6
Author: root <duydang09sys-MacBook-Pro.local>
Date: Tue Jan 5 16:53:32 2021 +0000

Fixed conflict vs merge 2 nhanh vao master

```

comitt 0eab1d60664848307fc0df059f33a7370d945 (origin/daydang02, daydang02)
Author: root <duydang09sys-MacBook-Pro.local>
Date: Tue Jan 5 16:50:28 2021 +0000

```

daydang02 cung sua file daydang02.txt
diff --git a/daydang02.txt b/daydang02.txt
index 54e472..0eab1d6 100644
--- a/daydang02.txt
+++ b/daydang02.txt
@@ -1 +1 @@
day dang 02 ne cac ban
day dang 02 (daydang02 them vao de conflict) ne cac ban

```

comitt 0efbd2c5f05d0a9809b6cf0f474c5923499 (origin/daydang01, daydang01)
Author: root <duydang09sys-MacBook-Pro.local>
Date: Tue Jan 5 16:48:19 2021 +0000

```

daydang01 sua file daydang02.txt
diff --git a/daydang02.txt b/daydang02.txt
index 54e472..0efbd2c 100644
--- a/daydang02.txt
+++ b/daydang02.txt
@@ -1 +1 @@
day dang 02 ne cac ban
day dang 02 (daydang01 chen ngang ne) ne cac ban

```

comitt 4fb0feafadee726d48e869a6872d8f485bc2
Merge: 79edcfc f54143f1
Author: Duy Bang IT <duydang09sys-MacBook-Pro.local>
Date: Tue Jan 5 16:37:13 2021 +0000

```

Merge branch 'daydang02'

```

comitt 0f743f166aaad30800f04514ce7cfabc77d935
Author: Duy Bang IT <duydang09sys-MacBook-Pro.local>
Date: Tue Jan 5 16:35:43 2021 +0000

```

daydang01 upload file txt
diff --git a/daydang02.txt b/daydang02.txt
new file mode 100644
Index 54e472..0f743f166aaad30800f04514ce7cfabc77d935
--- /dev/null
+++ b/daydang02.txt
@@ -0 +1 @@
day dang 02 ne cac ban

```

lab4_gitlab_local — git log -p — git - less - git log -p — 16x57

```

*** b/daydang02.txt
@@ -1 +1 @@
day dang 02 ne cac ban
day dang 02 (daydang01 chen ngang ne) ne cac ban

```

comitt 4fb0feafadee726d48e869a6872d8f485bc2
Merge: 79edcfc f54143f1
Author: Duy Bang IT <duydang09sys-MacBook-Pro.local>
Date: Tue Jan 5 16:37:13 2021 +0000

```

Merge branch 'daydang02'

```

comitt 0f743f166aaad30800f04514ce7cfabc77d935
Author: Duy Bang IT <duydang09sys-MacBook-Pro.local>
Date: Tue Jan 5 16:35:43 2021 +0000

```

daydang01 upload file txt
diff --git a/daydang02.txt b/daydang02.txt
new file mode 100644
Index 54e472..0f743f166aaad30800f04514ce7cfabc77d935
--- /dev/null
+++ b/daydang02.txt
@@ -0 +1 @@
day dang 02 ne cac ban
day dang 02 (daydang01 chen ngang ne) ne cac ban

```

Initial commit
Administrator authored 2 hours ago

Initial commit
Administrator authored 2 hours ago

<!--The End-->