

Ministerul Educației al Republicii Moldova
Universitatea Tehnică a Moldovei
Catedra Automatică și Tehnologii Informaționale

Raport

Lucrarea de laborator nr. 2
Medii interactive de dezvoltare a produselor soft

Version Control System si modul de setare a unui server

A efectuat:

st. gr. TI-143

Racu Ion

A verificat:

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Chișinău 2016

1. Scopul Lucrării:

- Înțelegerea și folosirea CLI (basic level)
- Administrarea remote a mașinilor linux machine folosind SSH (remote code editing)
- Version Control Systems (git || mercurial || svn)

2. Obiective:

- initializeaza un nou repository
- configureaza-ti VCS
- crearea branch-urilor (creeaza cel puțin 2 branches)
- commit pe ambele branch-uri (cel puțin 1 commit per branch)

3. Analiza lucrării de laborator

Link către repository <https://github.com/Wakeboo/lab2>

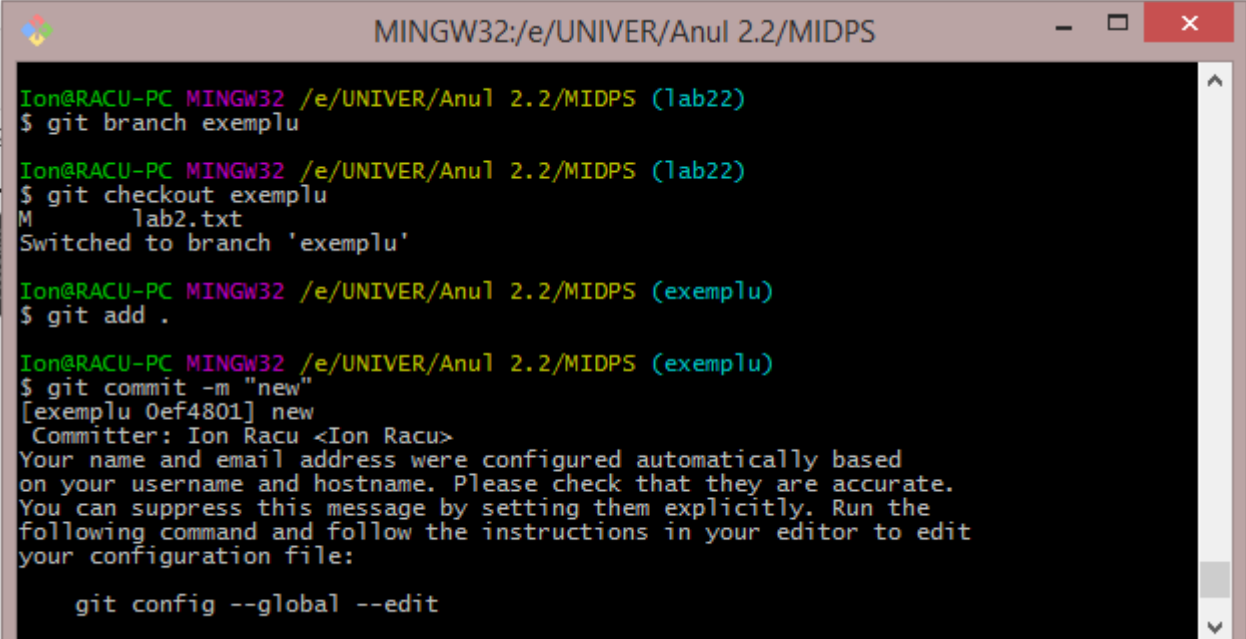
Branches:

Cream un branch prin comanda:

```
git branch Nume
```

Pentru a schimba branchul introducem

```
Git checkout Nume
```



```
MINGW32:/e/UNIVER/Anul 2.2/MIDPS
Ion@RACU-PC MINGW32 /e/UNIVER/Anul 2.2/MIDPS (lab22)
$ git branch exemplu

Ion@RACU-PC MINGW32 /e/UNIVER/Anul 2.2/MIDPS (lab22)
$ git checkout exemplu
M      lab2.txt
Switched to branch 'exemplu'

Ion@RACU-PC MINGW32 /e/UNIVER/Anul 2.2/MIDPS (exemplu)
$ git add .

Ion@RACU-PC MINGW32 /e/UNIVER/Anul 2.2/MIDPS (exemplu)
$ git commit -m "new"
[exemplu 0ef4801] new
Committer: Ion Racu <Ion.Racu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit
```

```
MINGW32:/e/UNIVER/Anu1 2.2/MIDPS

Ion@RACU-PC MINGW32 /e/UNIVER/Anu1 2.2/MIDPS (exemplu)
$ git add .

Ion@RACU-PC MINGW32 /e/UNIVER/Anu1 2.2/MIDPS (exemplu)
$ git commit -m "new"
[exemplu 0ef4801] new
Committer: Ion Racu <Ion Racu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 2 insertions(+), 1 deletion(-)

Ion@RACU-PC MINGW32 /e/UNIVER/Anu1 2.2/MIDPS (exemplu)
$ |
```

Cream al doilea branch

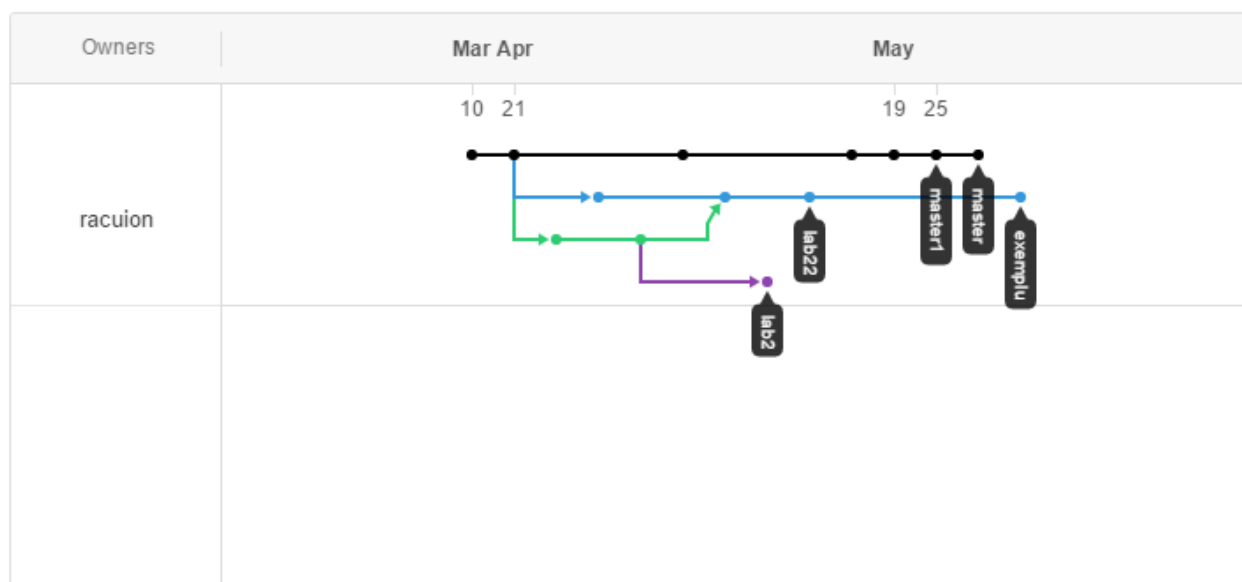
```
Ion@RACU-PC MINGW32 /e/UNIVER/Anu1 2.2/MIDPS (exemplu)
$ git push -u origin exemplu
Counting objects: 3, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 253 bytes | 0 bytes/s, done.
Total 3 (delta 1), reused 0 (delta 0)
To https://github.com/racuion/MIDPS.git
 * [new branch]      exemplu -> exemplu
Branch exemplu set up to track remote branch exemplu from origin.

Ion@RACU-PC MINGW32 /e/UNIVER/Anu1 2.2/MIDPS (exemplu)
$ git |
```

Merge a celor doua branchuri

```
Boba@DESKTOP-9KHPA2F MINGW64 /f/midps/lab2 (new11)
$ git branch
  master
  new1
 * new11
  new2

Boba@DESKTOP-9KHPA2F MINGW64 /f/midps/lab2 (new11)
$ git merge new1
Updating 9bc40e9..3e360af
Fast-forward
 ...320\264\320\276\320\272\321\203\320\274\320\265\320\275\321\202.txt" | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```



Concluzie

La aceasta lucrare de laborator am cunoscut mai bine VCS GitHub si modul de setare a unui server. Am setat VCS si am creat doua branchuri, new1, new2 si new11 si cite cel putin un commit la fiecare branch apoi am facut merge.

Referinte

- <http://makandracards.com/makandra/621-git-delete-a-branch-local-or-remote>
- <http://stackoverflow.com/>
- <https://git-scm.com/>