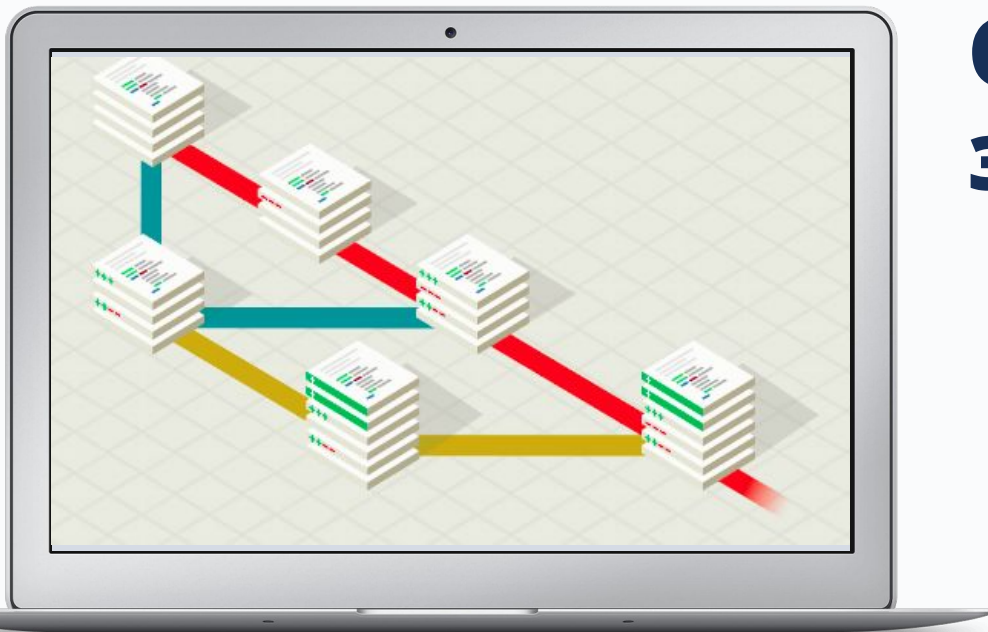




Become QA Auto

Синхронізація з GitHub

Бутенко Сергій





План лекції



Синхронізація з GitHub

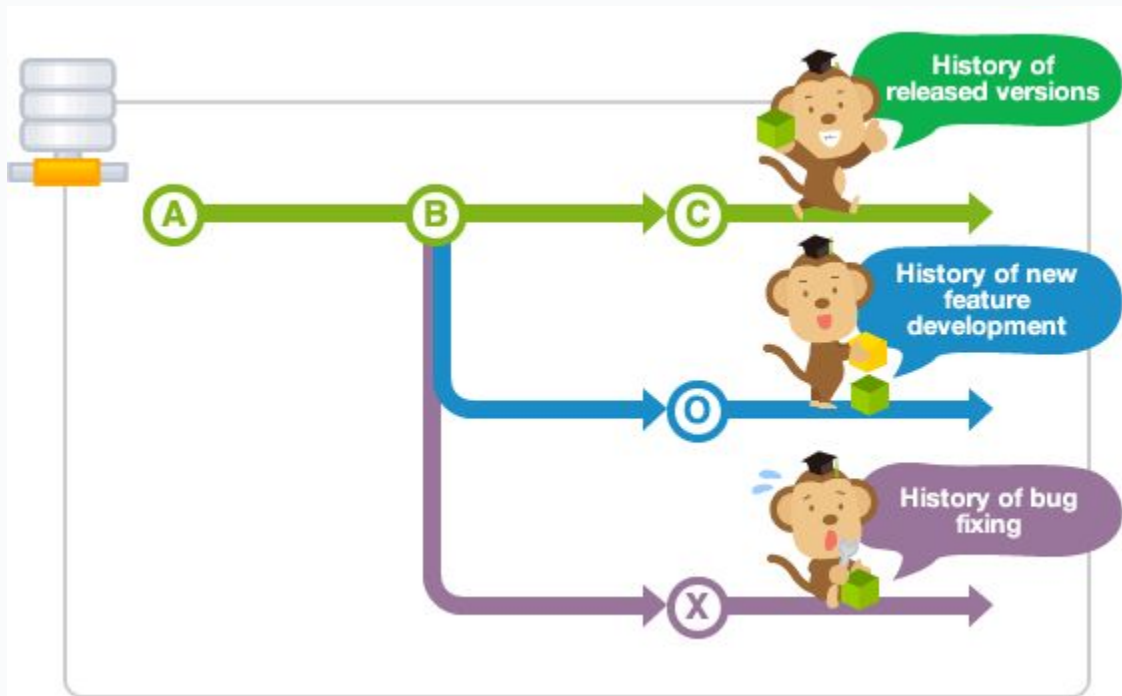


Команда git pull

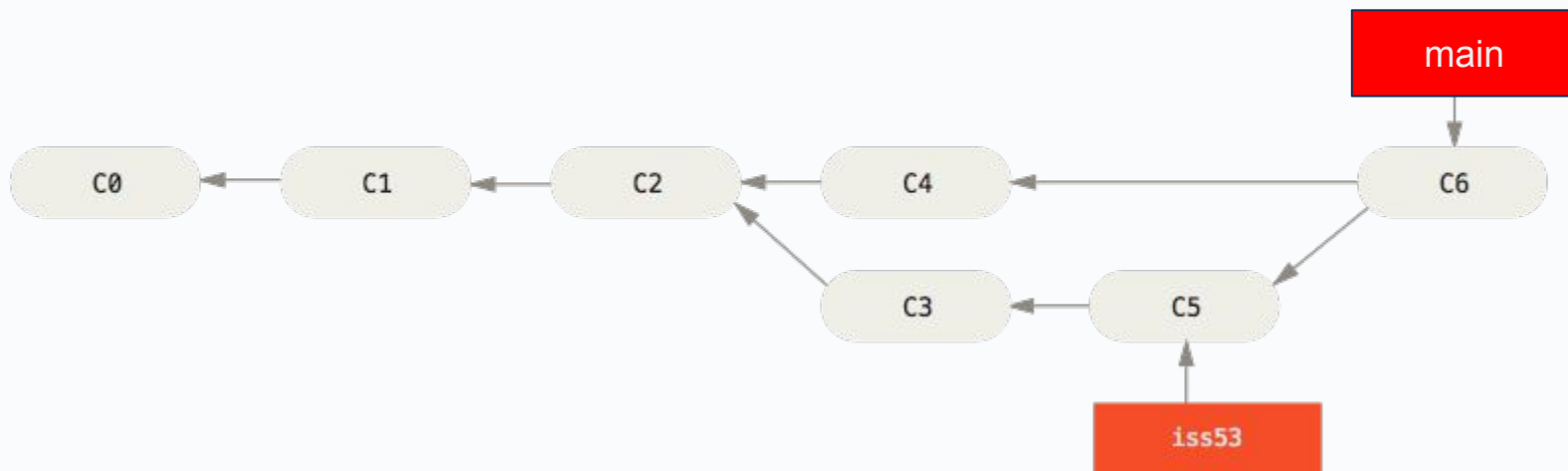


Команда git push

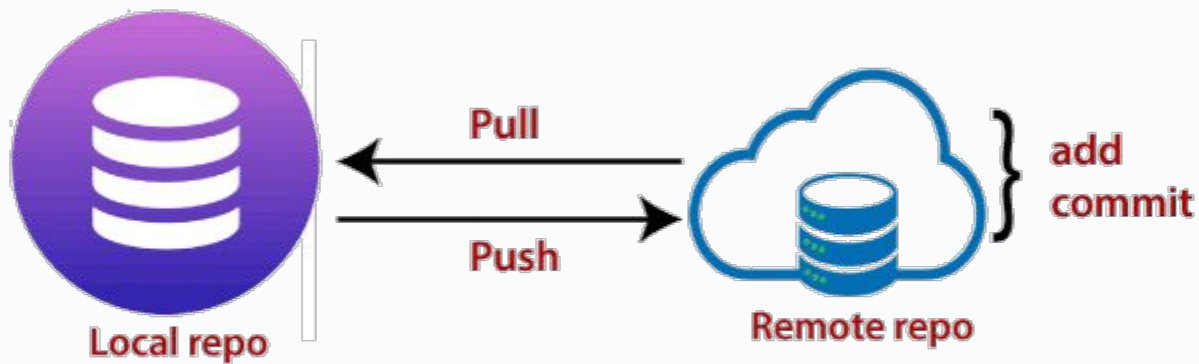
Синхронізація з GitHub



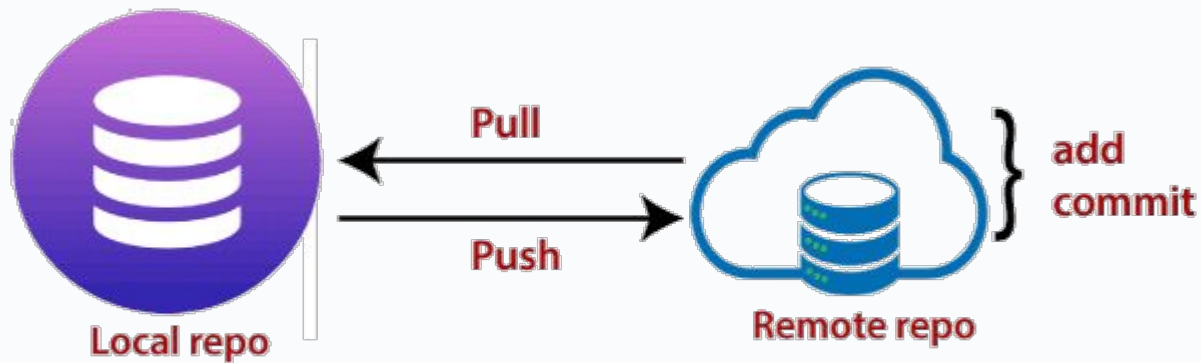
Синхронізація з GitHub



◎ Синхронізація з GitHub

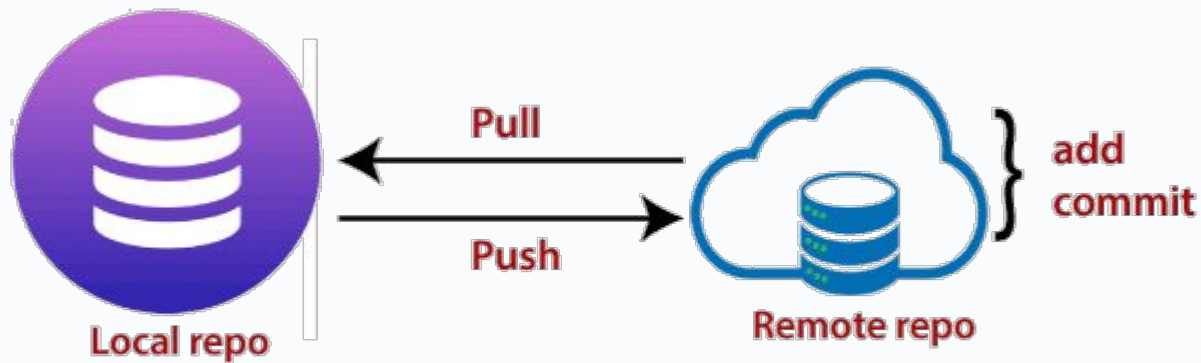


Синхронізація з GitHub



git pull - команда для того, щоб отримати зміни з віддаленого репозиторія в активну гілку

Синхронізація з GitHub



git push - команда для того, щоб надіслати зміни з активної гілки до віддаленого репозиторія



Синхронізація з GitHub



MINGW64:/c/Users/sergii.butenko/furry-waddle

```
sergii.butenko@KBP1-LHP-A00394 MINGW64 ~  
$ cd furry-waddle/  
  
sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (main)  
$ git checkout main  
Already on 'main'  
Your branch is based on 'origin/main', but the upstream is gone.  
  (use "git branch --unset-upstream" to fixup)  
  
sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (main)  
$ |
```




Синхронізація з GitHub



```
sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (main)
$ git push
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 8 threads
Compressing objects: 100% (11/11), done.
Writing objects: 100% (17/17), 1.48 KiB | 380.00 KiB/s, done.
Total 17 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To github.com:SergiiButenko/furry-waddle.git
 * [new branch]      main -> main

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (main)
$ |
```



Синхронізація з GitHub



MINGW64:/c/Users/sergii.butenko/furry-waddle

```
sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (main)
$ git log --oneline
2960793 (HEAD -> main, origin/main) Merge branch 'iss53'
bfe5585 (iss53) Last step of iss53
1a781fa (hotfix) Added changes for hotfix
e4ffc2e First step on iss53
9fdb73 Added changes to main branch
83e6603 My very first commit

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (main)
$
```



Синхронізація з GitHub



github.com/SergiiButenko?tab=repositories



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Updated 4 minutes ago

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Python

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Updated last month

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SergiiButenko

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 [main](#) ▾

 [1 branch](#)

 [0 tags](#)





[Go to file](#)

[Add file](#) ▾

[Code](#) ▾

Sergii Butenko Merge branch 'iss53'

2960793 yesterday ⌚ 6 commits

 hotfix.txt	Added changes for hotfix	yesterday
 iss53.txt	Last step of iss53	yesterday
 main_file.txt	Added changes to main branch	4 days ago
 new_text_file.txt	My very first commit	4 days ago

Help people interested in this repository understand your project by adding a README.

[Add a README](#)



Синхронізація з GitHub



```
MINGW64:/c/Users/sergii.butenko/furry-waddle

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (main)
$ git branch one_more_branch

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (main)
$ git checkout one_more_branch
Switched to branch 'one_more_branch'

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ echo changes >> one_more_branch.txt

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ git add .
warning: in the working copy of 'one_more_branch.txt', LF will be replaced by CR
LF the next time Git touches it

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ git commit -m "Added one more branch"
[one_more_branch 51bb50b] Added one more branch
1 file changed, 1 insertion(+)
create mode 100644 one_more_branch.txt

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$
```



Синхронізація з GitHub



```
MINGW64:/c/Users/sergii.butenko/furry-waddle

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ git push
fatal: The current branch one_more_branch has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin one_more_branch

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$
```




Синхронізація з GitHub



```
MINGW64:/c/Users/sergii.butenko/furry-waddle

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ git push --set-upstream origin one_more_branch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 304 bytes | 304.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'one_more_branch' on GitHub by visiting:
remote:   https://github.com/SergiiButenko/furry-waddle/pull/new/one_more_branch
remote:
To github.com:SergiiButenko/furry-waddle.git
 * [new branch]      one_more_branch -> one_more_branch
branch 'one_more_branch' set up to track 'origin/one_more_branch'.

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$
```



Синхронізація з GitHub



SergiiButenko / furry-waddle Public Pin

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one_more_branch had recent pushes 1 minute ago Compare & pull request

main 2 branches 0 tags Go to file Add file ▾ <> Code ▾

Switch branches/tags ×

Find or create a branch...

Branches Tags

✓ main default

one_more_branch

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2960793 yesterday 6 commits

Added changes for hotfix yesterday

Last step of iss53 yesterday

main_file.txt Added changes to main branch 4 days ago

new_text_file.txt My very first commit 4 days ago

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one_more_branch had recent pushes 3 minutes ago

Compare & pull request

one_more_branch

2 branches 0 tags

Go to file

Add file

<> Code

This branch is 1 commit ahead of main.

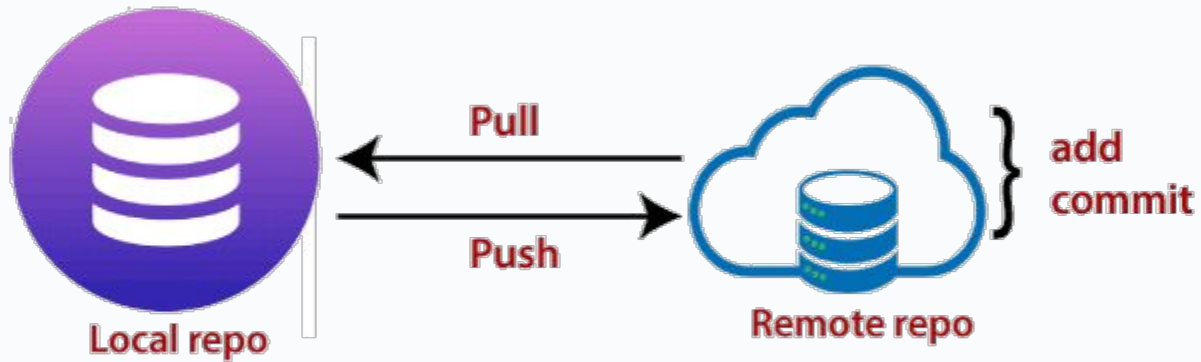
Contribute

Sergii Butenko Added one more branch

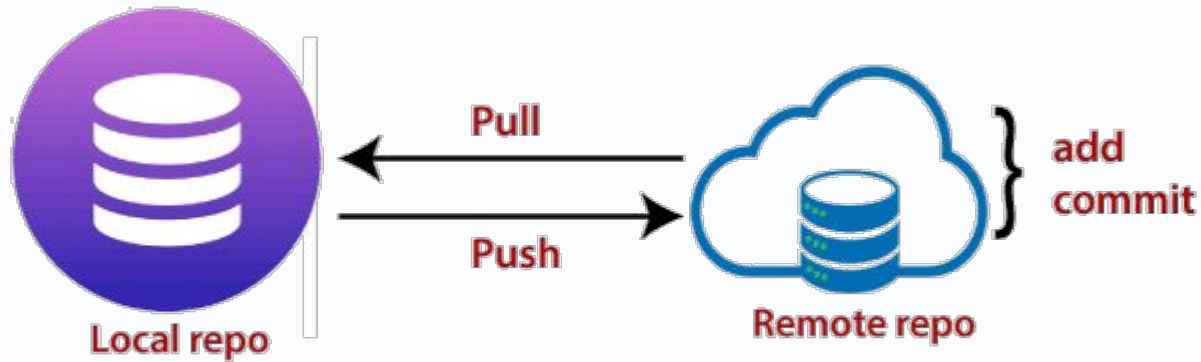
51bb50b 8 minutes ago 7 commits

hotfix.txt	Added changes for hotfix	yesterday
iss53.txt	Last step of iss53	yesterday
main_file.txt	Added changes to main branch	4 days ago
new_text_file.txt	My very first commit	4 days ago
one_more_branch.txt	Added one more branch	8 minutes ago

◎ Синхронізація з GitHub



◎ Синхронізація з GitHub



git pull - команда для того, щоб отримати зміни з віддаленого репозиторія в активну гілку



Синхронізація з GitHub



SergiiButenko / furry-waddle Public Pin

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one_more_branch had recent pushes 7 minutes ago [Compare & pull request](#)

one_more_branch 2 branches 0 tags [Go to file](#) [Add file](#) [Code](#)

This branch is 1 commit ahead of main. [Contribute](#)

Sergii Butenko [Added one more branch](#) 51bb50b 12 minutes ago 7 commits

hotfix.txt	Added changes for hotfix	yesterday
iss53.txt	Last step of iss53	yesterday
main_file.txt	Added changes to main branch	4 days ago
new_text_file.txt	My very first commit	4 days ago
one_more_branch.txt	Added one more branch	12 minutes ago

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Синхронізація з GitHub



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Fork 0 ▾

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[one_more_branch](#) ▾ [furry-waddle / one_more_branch.txt](#)

[Go to file](#)



Sergii Butenko Added one more branch

Latest commit 51bb50b 14 minutes ago [History](#)

0 contributors

1 lines (1 sloc) 8 Bytes

[Raw](#)

[Blame](#)



1 changes



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SergiiButenko / **furry-waddle** Public

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furry-waddle / `one_more_branch.txt` in `one_more_branch`

Cancel changes

Edit file

Preview changes

Spaces ▾

2 ▾

Soft wrap ▾

```
1 changes
2 some more changes to a branch
```



Синхронізація з GitHub



Commit changes

Update one_more_branch.txt

Commit from GitHub

- ☒ Commit directly to the `one_more_branch` branch.
- ☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes

Cancel



Синхронізація з GitHub



 one_more_branch ▾ [furry-waddle](#) / one_more_branch.txt

Go to file



SergiiButenko Update one_more_branch.txt ...

Latest commit 184bde3 now  History

 1 contributor

2 lines (2 sloc) | 38 Bytes

Raw

Blame



```
1  changes
2  some more changes to a branch
```




Синхронізація з GitHub



```
MINGW64:/c/Users/sergii.butenko/furry-waddle

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ cat one_more_branch.txt
changes

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ git log --oneline --graph --all
* 51bb50b (HEAD -> one_more_branch, origin/one_more_branch) Added one more branch
* 2960793 (origin/main, main) Merge branch 'iss53'
| \
|  * bfe5585 (iss53) Last step of iss53
|  * e4ffc2e First step on iss53
* | 1a781fa (hotfix) Added changes for hotfix
| /
* 9fdb73 Added changes to main branch
|  * 5ce3e31 (testing) Added changes to testing branch
| /
* 83e6603 My very first commit

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$
```



Синхронізація з GitHub



```
MINGW64:/c/Users/sergii.butenko/furry-waddle

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
Unpacking objects: 100% (3/3), 683 bytes | 45.00 KiB/s, done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
From github.com:SergiiButenko/furry-waddle
   51bb50b..184bde3  one_more_branch -> origin/one_more_branch
Updating 51bb50b..184bde3
Fast forward
   one_more_branch.txt | 1 +
   1 file changed, 1 insertion(+)

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$
```



Синхронізація з GitHub



```
MINGW64:/c/Users/sergii.butenko/furry-waddle

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$ cat one_more_branch.txt
changes
some more changes to a branch

sergii.butenko@KBP1-LHP-A00394 MINGW64 ~/furry-waddle (one_more_branch)
$
```



Підсумки



- ✓ Локальний репозиторій може бути синхронізований з віддаленим
- ✓ **git pull** - команда для того, щоб отримати зміни з віддаленого репозиторія в активну гілку
- ✓ **git push** - команда для того, щоб надіслати зміни з активної гілки до віддаленого репозиторія
- ✓ Перед тим як синхронізувати гілку, якої ще немає на GitHub, її потрібно створити