

Szkolenie z GIT-a (wersja PL)

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End date: 20 16 /Jan/19

Status: Otwarty

GIT

RAFAŁ GIEMZA

THIS IS GIT. IT TRACKS COLLABORATIVE WORK ON PROJECTS THROUGH A BEAUTIFUL DISTRIBUTED GRAPH THEORY TREE MODEL.

COOL. HOW DO WE USE IT?

NO IDEA. JUST MEMORIZE THESE SHELL COMMANDS AND TYPE THEM TO SYNC UP. IF YOU GET ERRORS, SAVE YOUR WORK ELSEWHERE, DELETE THE PROJECT, AND DOWNLOAD A FRESH COPY.



24b9da6552252987aa493b52f8696cd6d3b00373

Distributed



Snapshot



SHA-1



Save



IN CASE OF FIRE



GIT COMMIT



GIT PUSH

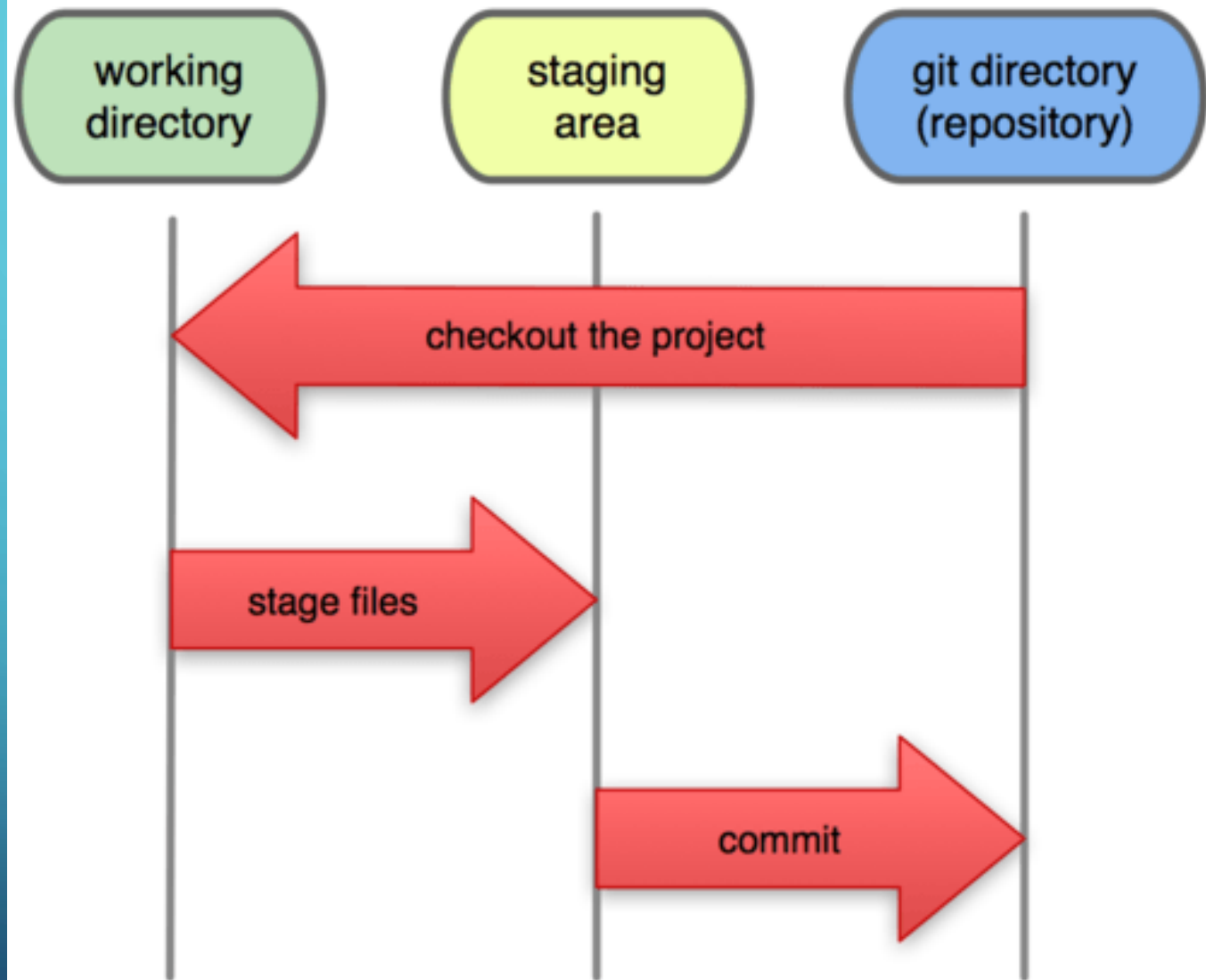


LEAVE BUILDING

Flow



Local Operations




```
cmd
C:\Users\rafal.giemza\
λ mkdir Projects\git_training

C:\Users\rafal.giemza\
λ cd Projects\git_training\

C:\Users\rafal.giemza\Projects\git_training
λ git
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
        [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
        [-p | --paginate | --no-pager] [--no-replace-objects] [--bare]
        [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
        <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

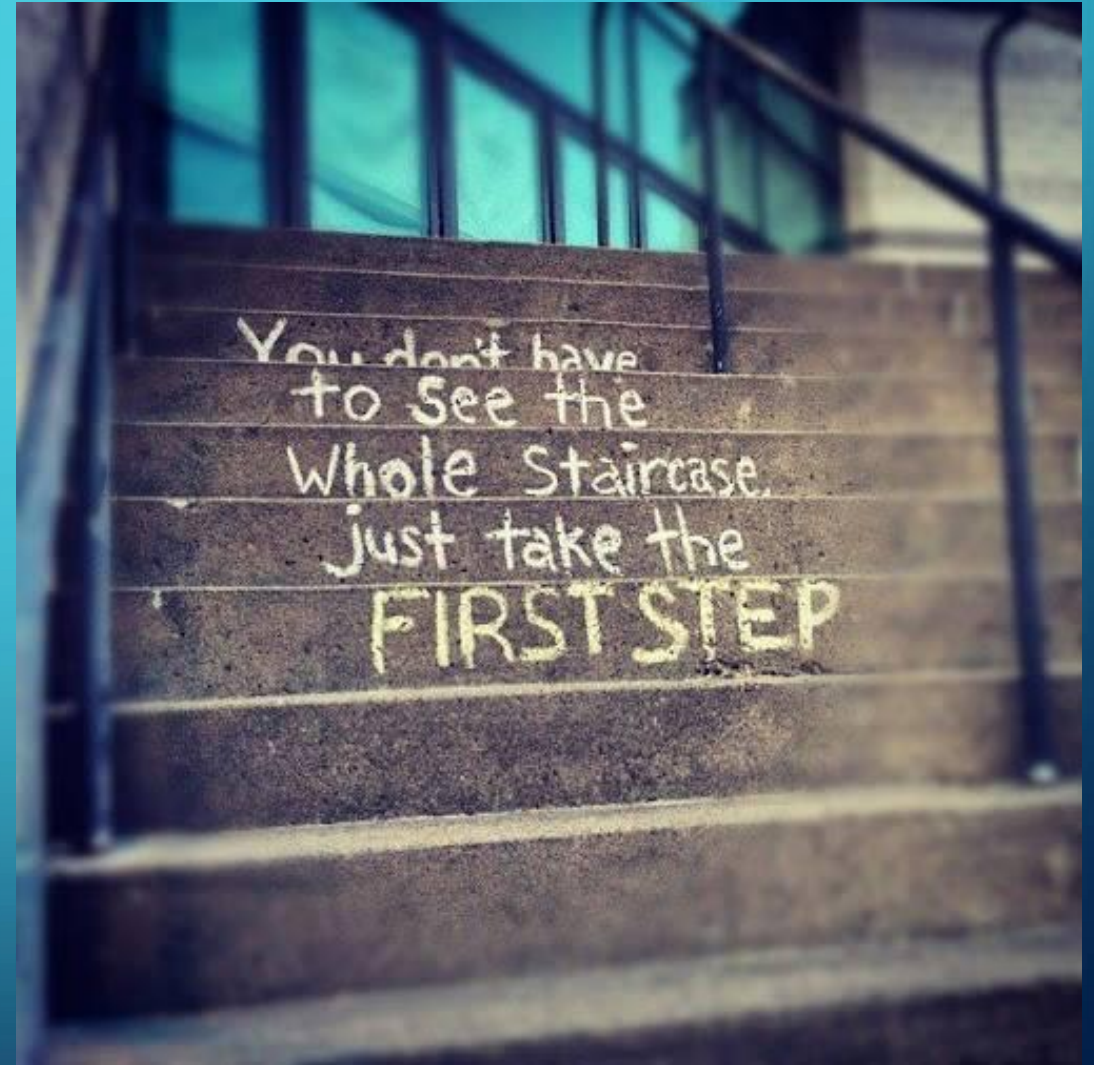
work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  reset      Reset current HEAD to the specified state
  rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
  bisect     Use binary search to find the commit that introduced a bug
  grep       Print lines matching a pattern
  log        Show commit logs
  show       Show various types of objects
  status     Show the working tree status

grow, mark and tweak your common history
  branch     List, create, or delete branches
  checkout   Switch branches or restore working tree files
  commit     Record changes to the repository
  diff       Show changes between commits, commit and working tree, etc
  merge      Join two or more development histories together
  rebase     Reapply commits on top of another base tip
  tag        Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
  fetch      Download objects and refs from another repository
  pull       Fetch from and integrate with another repository or a local branch
  push       Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
```



```
cmd
C:\Users\rafal.giemza\Projects\Projects\git_training
λ git --version
git version 2.17.0.windows.1

C:\Users\rafal.giemza\Projects\Projects\git_training
λ ls

C:\Users\rafal.giemza\Projects\Projects\git_training
λ git init
Initialized empty Git repository in C:/Users/rafal.giemza/Projects/Projects/git_training/.git/

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
```

```
cmd
C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ code-insiders.cmd .

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)

    index.html

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ |
```

```
File Edit Selection View Go Debug Terminal Help index.html - git_training - Visual Studio Code - Insiders
EXPLORER
  OPEN EDITORS
    x <> index.html U
    Settings
  GIT_TRAINING
    .history
    <> index.html U
  OUTLINE
  LOCAL HISTORY
  JOURNAL
  master* 0 0 0

index.html x Settings
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>GIT TEST</title>
6 </head>
7 <body>
8   <h1>HELLO GIT</h1>
9 </body>
10 </html>
```

Untracked files:

(use "git add <file>..." to include in what will be committed)

index.html

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ git add index.html

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: index.html

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ git rm --cached index.html

rm 'index.html'

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ git status

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

index.html

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ |

cmd.exe cmd.exe

Search

```
cmd
C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ git add .

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)

        new file:   index.html

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ git commit -m "initial commit"
[master (root-commit) 51c8964] initial commit
 1 file changed, 10 insertions(+)
 create mode 100644 index.html

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ git status
On branch master
nothing to commit, working tree clean

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ |
```



```
cmd

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ gst
On branch master
nothing to commit, working tree clean

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ gst
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ git diff
diff --git a/index.html b/index.html
index 81038d3..7d8cd5d 100644
--- a/index.html
+++ b/index.html
@@ -6,5 +6,6 @@
 </head>
 <body>
   <h1>HELLO GIT</h1>
+  <h2>and second hello from here</h2>
 </body>
 </html>
\ No newline at end of file

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)
λ |
```

```
index.html - git_training - Visual Studio Code - Insiders

index.html x
You, a few seconds ago | 1 author (You)
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>GIT TEST</title>
6 </head> You, 15 minutes ago * initial commit
7 <body>
8   <h1>HELLO GIT</h1>
9   <h2>and second hello from here</h2>
10 </body>
11 </html>
```



cmd

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ git diff

diff --git a/index.html b/index.html

index 81038d3..7d8cd5d 100644

--- a/index.html

+++ b/index.html

@@ -6,5 +6,6 @@

</head>

<body>

<h1>HELLO GIT</h1>

+ <h2>and second hello from here</h2>

</body>

</html>

\ No newline at end of file

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ git checkout index.html

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ gst

On branch master

nothing to commit, working tree clean

C:\Users\rafal.giemza\Projects\Projects\git_training (master -> origin)

λ |

cmd.exe

cmd.exe

Search