

Git

- description : GIT
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GitHub

GitLab

GitBash

VCS (Version Control System)

Centralized Version Control: CVS, Subversion, Perforce \\
 Distributed Version Control: git, mercurial, darcs \\
 Server : github, bitbucket \\

Git

- Linux Torvalds 2005
- , , , 가 , , 가 ,
- , . (,)
 ◦ by (<https://www.youtube.com/watch?v=Z9dvM7qgN9s> , <https://www.youtube.com/watch?v=IPrxhA4PLoA>)

1. git
 git OPTION
<https://git-scm.com/docs>
2. git client
 Github Desktop - Github
 Sourcetree -
 GitKraken
 Git bash - Terminal
3. Download
<https://git-scm.com/download/>
4.
 .gitconfig ()
 \$> git config --list
 \$> git config --global -e // -e -> edit

```
$> git config --global core.editor "code --wait" // git editor ,
--wait -> foreground
$> git config --global user.name "Foo"
$> git config --global user.email "Bar@repia.com"

$> git config user.name
Foo
$> git config user.email
Bar@repia.com

$> git config core.autocrlf true // windows
$> git config core.autocrlf input // macOS

$> git status
$> git config --global alias.st status // status alias
$> git st
$> git --h
```

5.

```
$> cd projects
$> mkdir GitFolder
$> cd ${GitFolder}
$> git init // 1. , .git , master branch , .git

$> git config -h //
$> git status -h
$> git status -s // short
```

6. git workflow

working directory

```
untracked (git )
-> git add *
-> git rm --cached *
```

```
tracked (git )
unmodified
modified
```

<- checkout

-> git add

staging area

-> commit

.git directory

git history

-> push

<- pull

```

remote

7. ignore
   tracking
   $> echo *.log >.gitignoroee

8. diff
   $> git diff
   diff --git a/c.txt b/c.txt
   index a042389..f5be8ac 100644
   --- a/c.txt
   --- b/c.txt
@@ -1 +1,2 @@           // -           , +1
                        // stated, cached

   hello world!
+add
(END)

   $> git config --global -e
[diff]
   tool = vscode
[difftool "vscode"]
   cmd = code --wait --diff $LOCAL $REMOTE //   가
   $> git difftool // vscode           가

9. commit
   $> git commit -m "...." // -m -> message
   $> git commit -am "...." // -a -> all, add

   commit message
       commit 0, commit1, commit2, ... (X)
       Initialise project, Add LoginService module, Add UserRepository module,
Add Welcome page, Add About page, Add light theme, ...

       ,   가   ,   ,   ....

10. log
   $> git log

11. source tree
   Hunk
   Line

x
macOS: iTerm21
Windows: cmdr

PowerShell
$> code . (           ) //

```

```
$> open . (macOS )
$> explorer . (가 )
```

- [\[Github\] Windows](#) [Git](#) ()

Tip

URL gitbash

```
// git
//
$> git remote -v
# View existing remotes
origin https://github.com/user/sample.git (fetch)
origin https://github.com/user/sample.git (push)
//
$> git remote set-url origin https://github.com/user/new.git
//
$> git remote -v
# View existing remotes
origin https://github.com/user/new.git (fetch)
origin https://github.com/user/new.git (push)
$> git remote -v
```

Troubleshooting

Checkout conflict with files:

[Checkout conflict with files:](#) (ProjectName/source/file...) Eclipse git pull , The
current branch is not configured for pull
[Eclipse](#) [git pull](#) , The current branch is not configured for pull

Ref

- [URL](#)
, [git](#)

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