

SHOUT · OUR · PASSION · TOGETHER

ODo IT SOPT O

Git 세미나

SHOUT OUR PASSION TOGETHER
SOPT

모든 설명은 Window 10 설명 기준입니다.

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1. Git
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2. merge

03

Git Flow

1. Repository
2. merge



01



Github

Github의 필요성

- ❏ 프로젝트 결과 보고서_1126
- ❏ 프로젝트 결과 보고서_1126_수정
- ❏ 프로젝트 결과 보고서_1126_수정2
- ❏ 프로젝트 결과 보고서_최종
- ❏ 프로젝트 결과 보고서_최종_보고용
- ❏ 프로젝트 결과 보고서_최종_보고용_1127 수정
- ❏ 프로젝트 결과 보고서_최종_보고용_1127 최종
- ❏ 프로젝트 결과 보고서_최종_보고용_1127 최종_진짜진짜진짜 최종
- ❏ 프로젝트 결과 보고서_최종_보고용_1127 최종_진짜진짜최종



Github의 필요성

1113_1.zip
유효기간: ~2018.11.27
용량: 134.62KB
열기 · 폴더 열기

1113_1 - 복사본.zip
유효기간: ~2018.11.27
용량: 134.62KB
열기 · 폴더 열기

1113_1 - 복사본 - 복사본.zip
유효기간: ~2018.11.27
용량: 134.62KB
열기 · 폴더 열기

진짜 최종.zip
유효기간: ~2018.11.27
용량: 134.62KB
열기 · 폴더 열기

진짜 최종 - 복사본.zip
유효기간: ~2018.11.27
용량: 134.62KB
열기 · 폴더 열기

오후 8:41

Git

1. 소스 코드 버전을 관리하기 위한 도구
2. 소스 코드 변경 이력을 관리
3. 분산형 버전 관리 시스템
4. 로컬 저장소, 원격 저장소로 구분하여 사용한다.
5. 쉽게 생각해 구글 드라이브같은 소스 코드 저장소 인 격

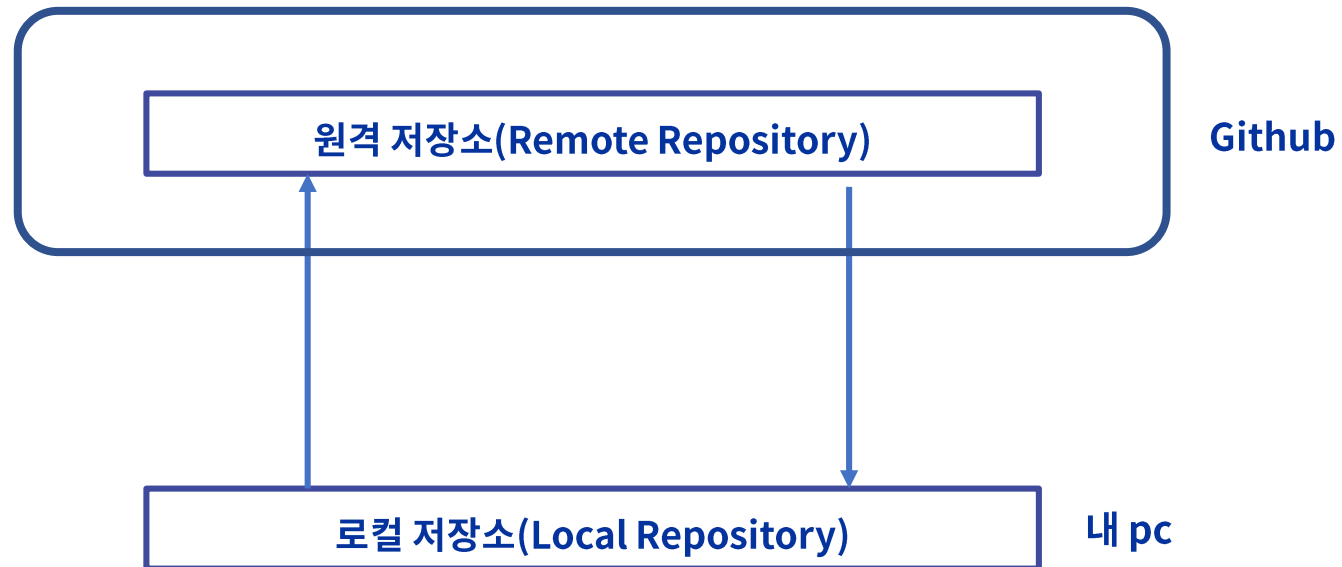


Github

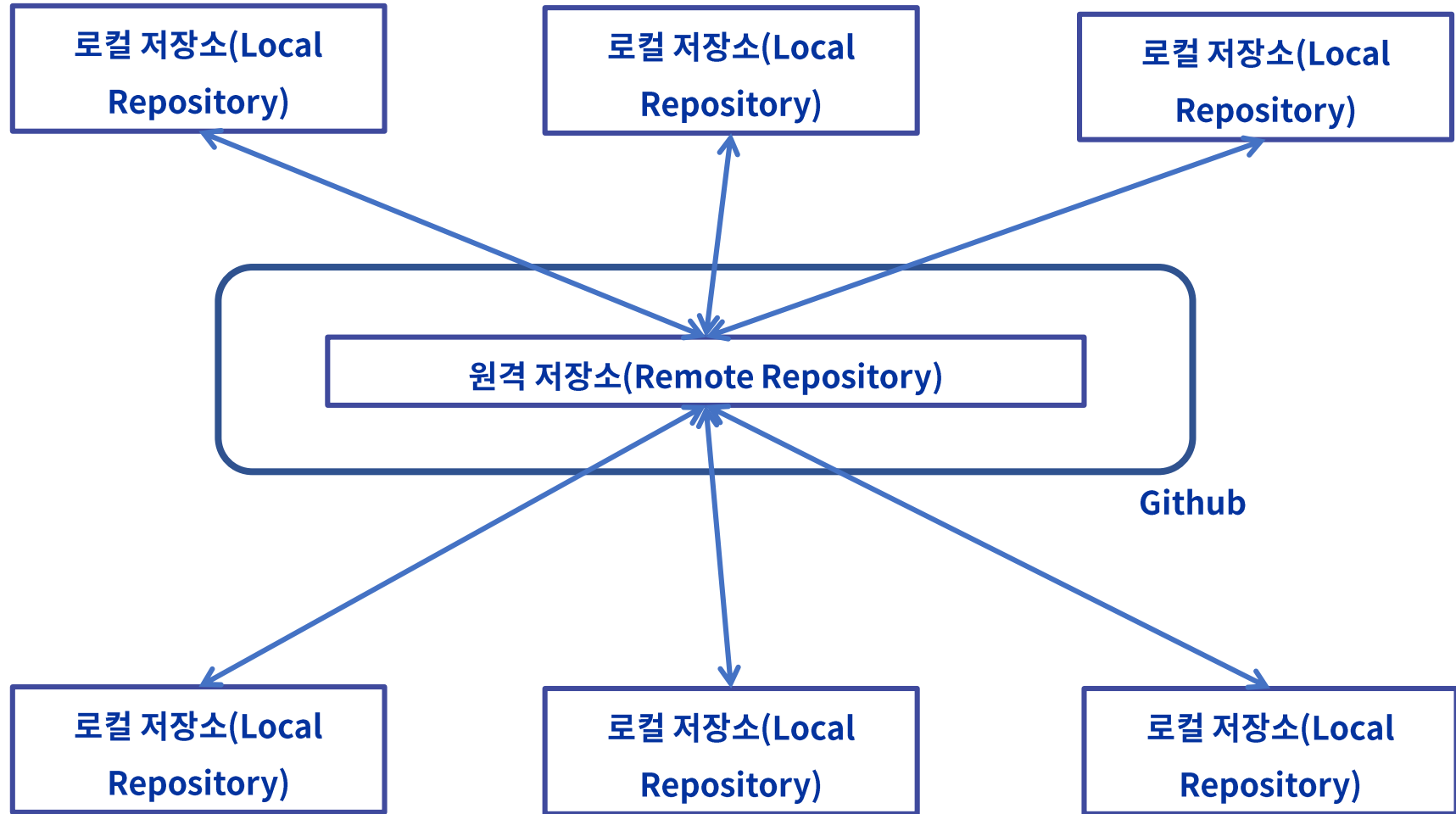
1. 분산 버전 관리 툴인 Git을 사용하는 프로젝트를 지원하는 웹 호스팅 서비스이다.
2. 영리적인 서비스와 오픈소스를 위한 무상 서비스를 모두 제공한다.
3. 가장 인기있는 오픈 소스 코드 저장소이다.
4. 비슷한 서비스로 GitLab, gitbucket 등이 있다.

GitHub

혼자 할 때



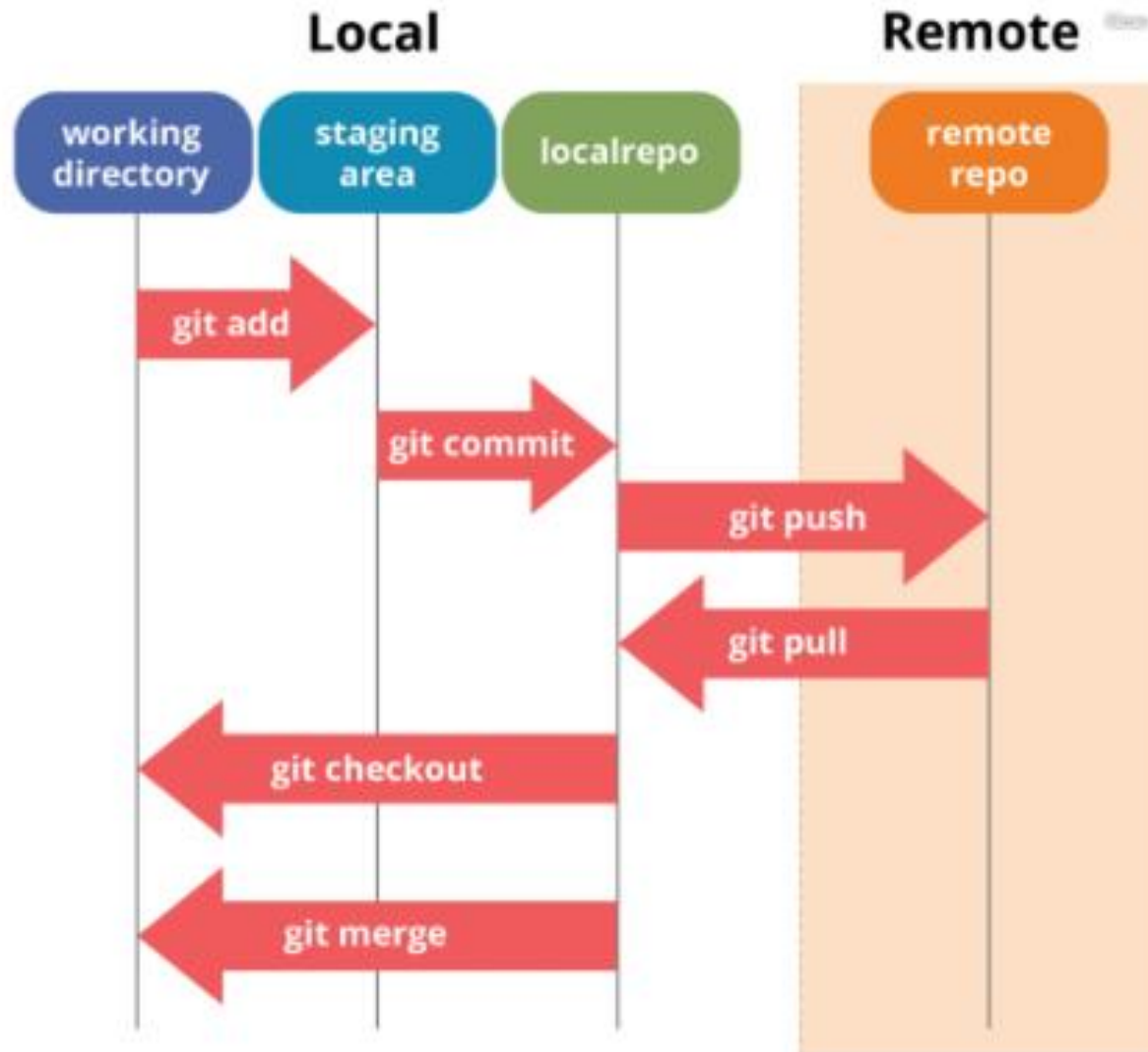
협업 할 때



저장소

1. 로컬 저장소(Local Repository) : 내 PC에 파일이 저장되는 개인 전용 저장소
2. 원격 저장소(Remote Repository) : 파일이 원격 저장소 전용 서버에서 관리되며 여러 사람이 함께 공유하기 위한 저장소

전체적인 흐름



1. Github에 Repository 생성

GitHub, Inc. [US] | https://github.com

Search or jump to... Pull requests Issues Marketplace Explore

Repositories

[New](#)

Find a repository...

- [project-handsomeGo/project-handsomeG...](#)
- [bghgu/Algorithm](#)
- [bghgu/kakaolX-report](#)
- [bghgu/SOPT-23-Server](#)
- [bghgu/project_Hystrix](#)
- [bghgu/SOPT-23-API-SERVER](#)
- [project-cowalker/project-cowalker-server](#)

Show more

Your teams

Find a team...

- [project-handsomeGo/server](#)
- [project-cowalker/server](#)

You are in the public [Beta](#) of the dashboard!
[Opt out](#) or [send feedback](#).

ProTip! The feed shows you events from people you [follow](#) and repositories you [watch](#).

Subscribe to your news feed

Loading activity...

Discover repositories

JetBrains/kotlin-native
Kotlin/Native infrastructure
Kotlin ★ 5.1k

Homebrew/homebrew-core
Default formulae for the missing package manager for macOS
Ruby ★ 4.7k

choitaeoon/graduation
Java ★ 2

[Go to Explore](#)

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1. Github에 Repository 생성

Your Repositories

GitHub, Inc. [US] | <https://github.com/bghgu?tab=repositories>

Search or jump to... Pull requests Issues Marketplace Explore

Overview **Repositories 88** Stars 31 Followers 39 Following 66

Find a repository... Type: All Language: All **New**

sopt-gitflow-seminar
Updated 22 hours ago

SOPT-23-Server
SOPT 23rd Server Part Seminar Source Code Repository
Java 1 Updated 2 days ago

Coding-test Private
coding-test-source-code-repository
Java Updated 3 days ago

SOPT-23-API-SERVER
Java 2 1 Updated 5 days ago

daseul bae
bghgu
Add a bio
ektmf1993@gmail.com
<http://bghgu.tistory.com/>
Organizations

2. Repository 내용 작성

Create a New Repository

GitHub, Inc. [US] | https://github.com/new

Search or jump to... Pull requests Issues Marketplace Explore

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

Repository name

Repository 이름

Great repository names are short and memorable. Need inspiration? How about `super-duper-octo-barnacle`.

Description (optional)

Repository 설명(선택 사항)

☒ Public
Anyone can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

☐ Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip this step if you're copying the repository to a new location.

Add .gitignore: None

Add a license: None

Create repository

학생 인증을 받았다면 private으로 Repository 생성 가능

자동으로 Readme.md 파일 생성 여부

자동으로 License 파일 생성 여부

3. Repository Remote 연결

The screenshot shows the GitHub repository page for `bghgu/SOPT-23-GitFlow`. The browser address bar shows the URL `https://github.com/bghgu/SOPT-23-GitFlow`. The repository page includes a search bar, navigation links (Pull requests, Issues, Marketplace, Explore), and repository statistics (Watch: 0, Star: 0, Fork: 0). The 'Code' tab is selected, displaying the 'Quick setup' section. This section provides instructions for setting up the repository, with the 'HTTPS' URL and the command-line instructions highlighted by red boxes.

Quick setup — if you've done this kind of thing before

Set up in Desktop or **HTTPS** `https://github.com/bghgu/SOPT-23-GitFlow.git` 주소 복사

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

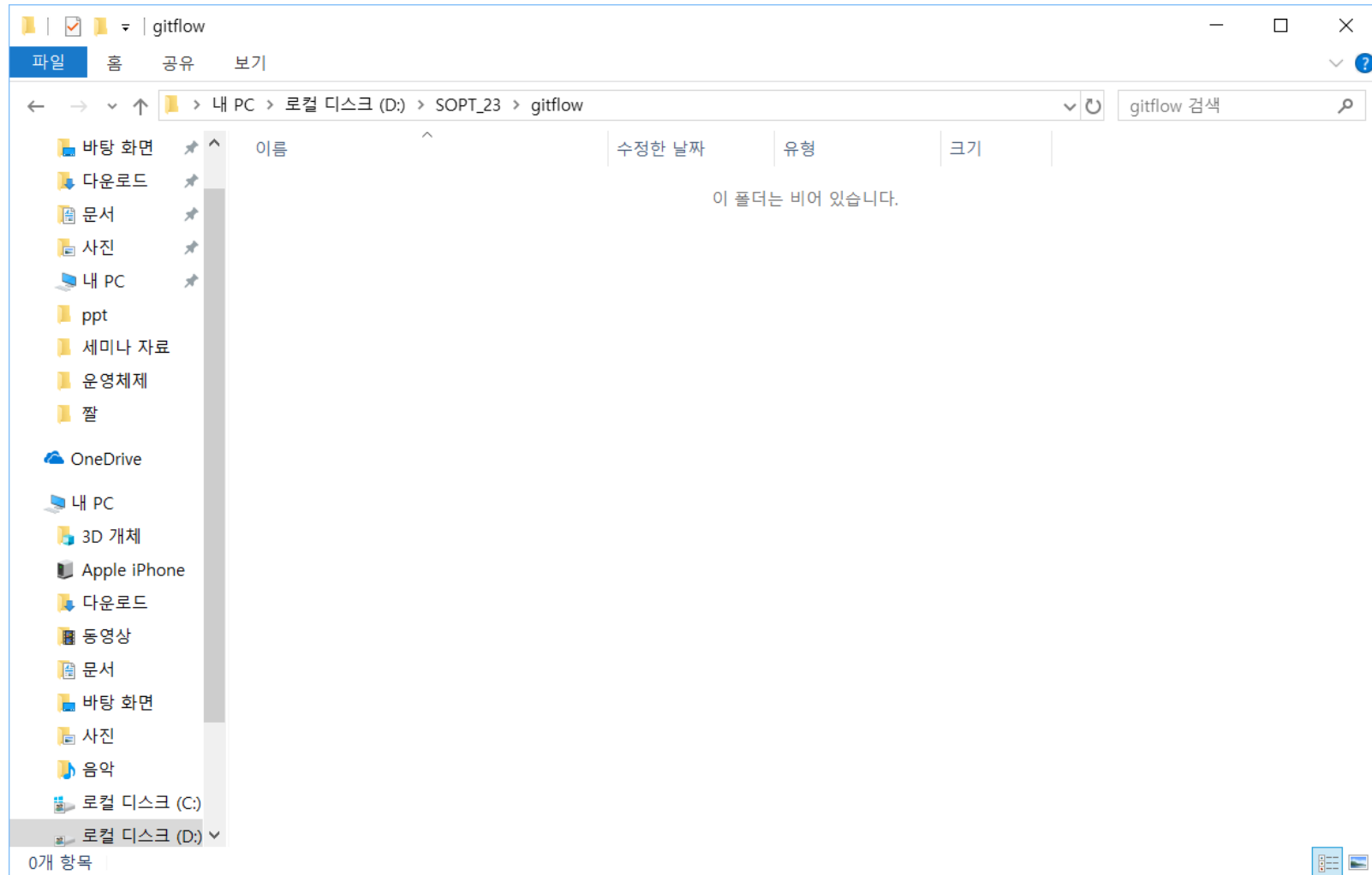
```
echo "# SOPT-23-GitFlow" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/bghgu/SOPT-23-GitFlow.git
git push -u origin master
```

...or push an existing repository from the command line

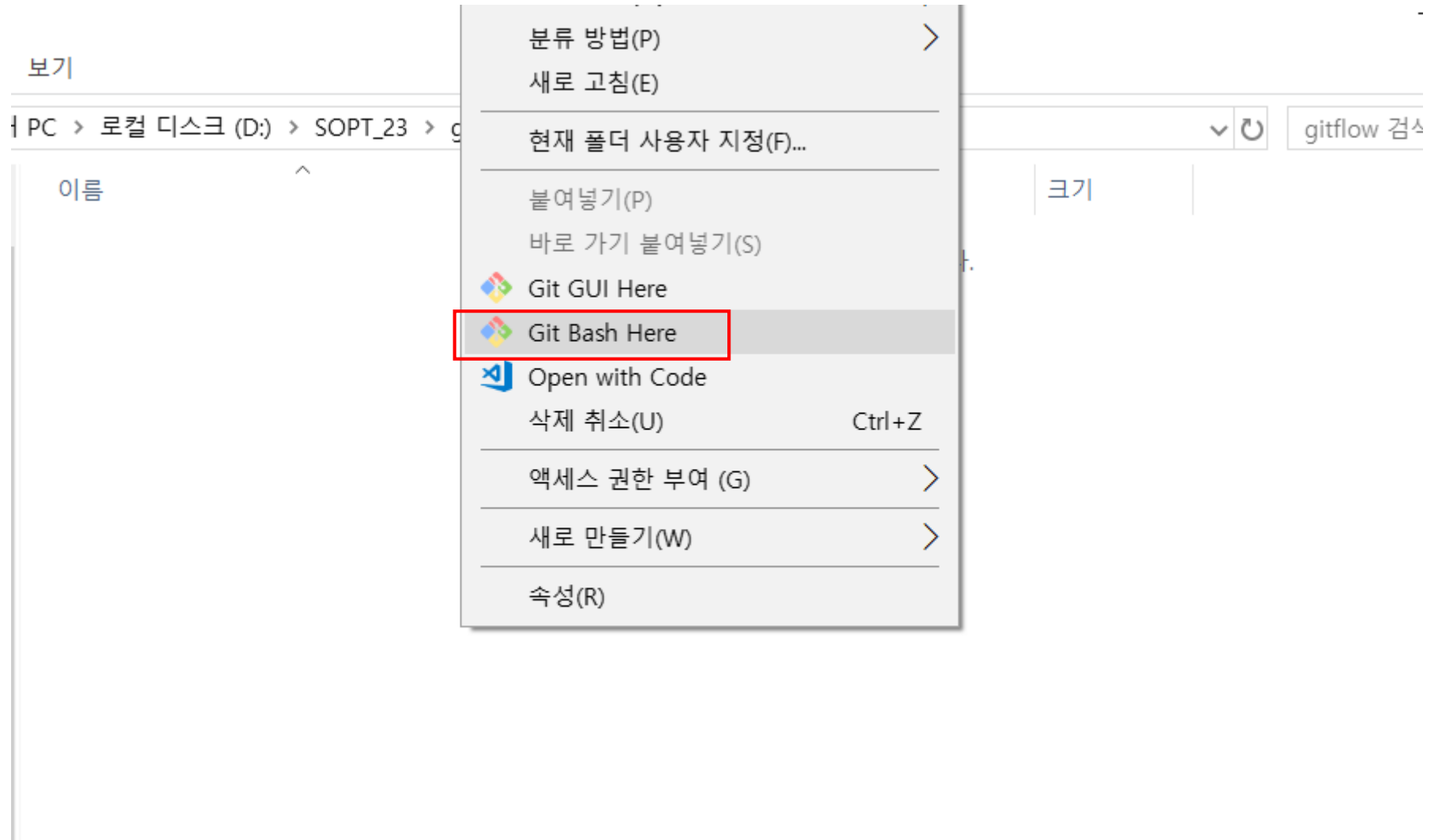
```
git remote add origin https://github.com/bghgu/SOPT-23-GitFlow.git
git push -u origin master
```

...or import code from another repository

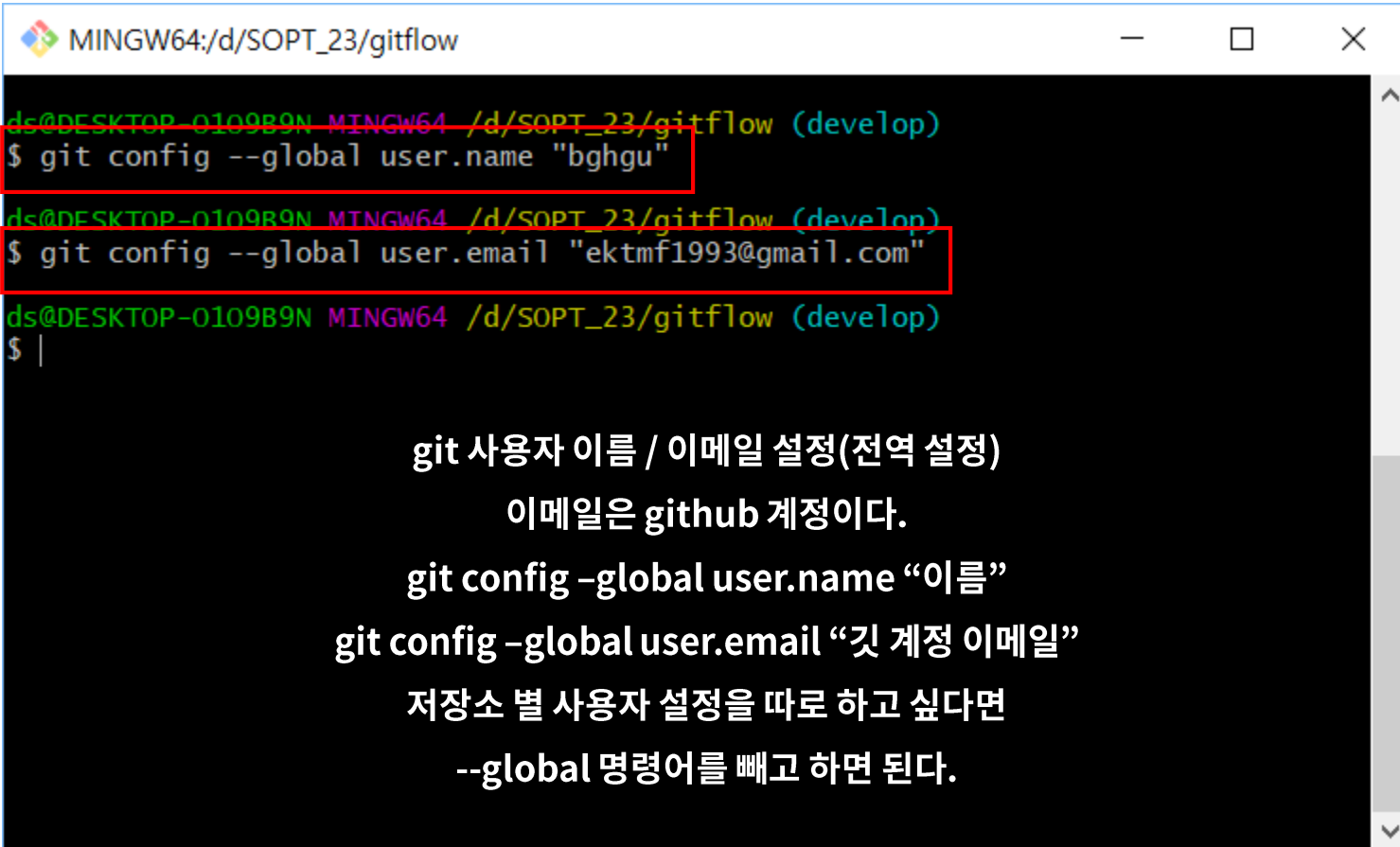
3. Repository Remote 연결



3. Repository Remote 연결



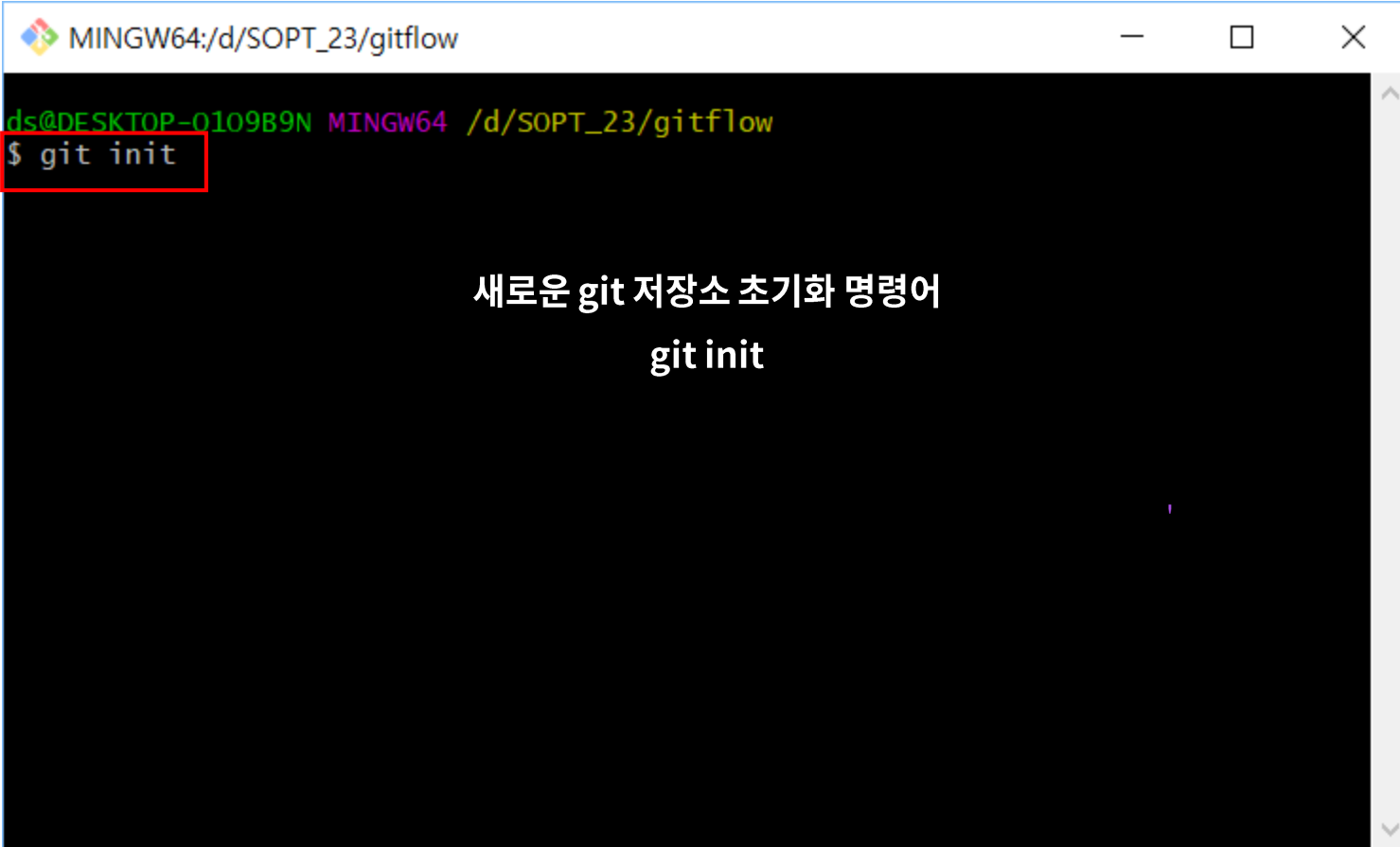
3.git 사용자 이름 / 이메일 설정

A terminal window titled 'MINGW64:/d/SOPT_23/gitflow' with standard window controls. It shows three lines of command execution. The first two lines are highlighted with red rectangles. The first line is '\$ git config --global user.name "bghgu"' and the second is '\$ git config --global user.email "ektmf1993@gmail.com"'. The third line shows the prompt '\$ |' with a cursor.

```
MINGW64:/d/SOPT_23/gitflow
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (develop)
$ git config --global user.name "bghgu"
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (develop)
$ git config --global user.email "ektmf1993@gmail.com"
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (develop)
$ |
```

git 사용자 이름 / 이메일 설정(전역 설정)
이메일은 github 계정이다.
git config -global user.name “이름”
git config -global user.email “깃 계정 이메일”
저장소 별 사용자 설정을 따로 하고 싶다면
--global 명령어를 빼고 하면 된다.

3. Repository Remote 연결

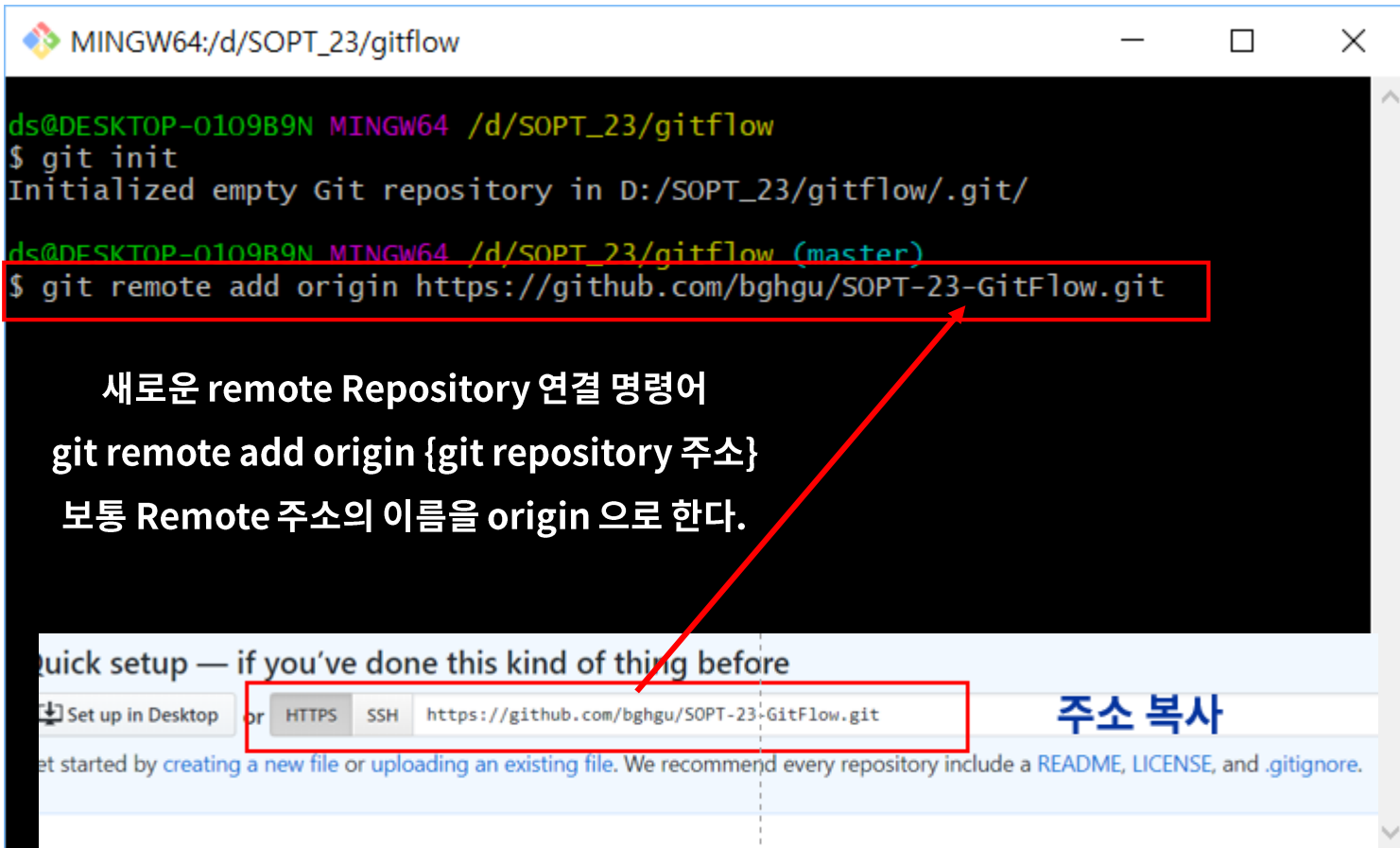


A terminal window titled 'MINGW64:/d/SOPT_23/gitflow' is shown. The prompt 'ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow' is displayed. The command '\$ git init' is entered and highlighted with a red box. Below the terminal, the text '새로운 git 저장소 초기화 명령어' and 'git init' is displayed.

```
MINGW64:/d/SOPT_23/gitflow
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow
$ git init
```

새로운 git 저장소 초기화 명령어
git init

3. Repository Remote 연결



The screenshot shows a terminal window titled "MINGW64:/d/SOPT_23/gitflow". The terminal output shows the following commands and results:

```
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow
$ git init
Initialized empty Git repository in D:/SOPT_23/gitflow/.git/

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git remote add origin https://github.com/bghgu/SOPT-23-GitFlow.git
```

The command `$ git remote add origin https://github.com/bghgu/SOPT-23-GitFlow.git` is highlighted with a red box. A red arrow points from this box to the "HTTPS" section of the "Quick setup" dialog below.

새로운 remote Repository 연결 명령어
`git remote add origin {git repository 주소}`
보통 Remote 주소의 이름을 origin 으로 한다.

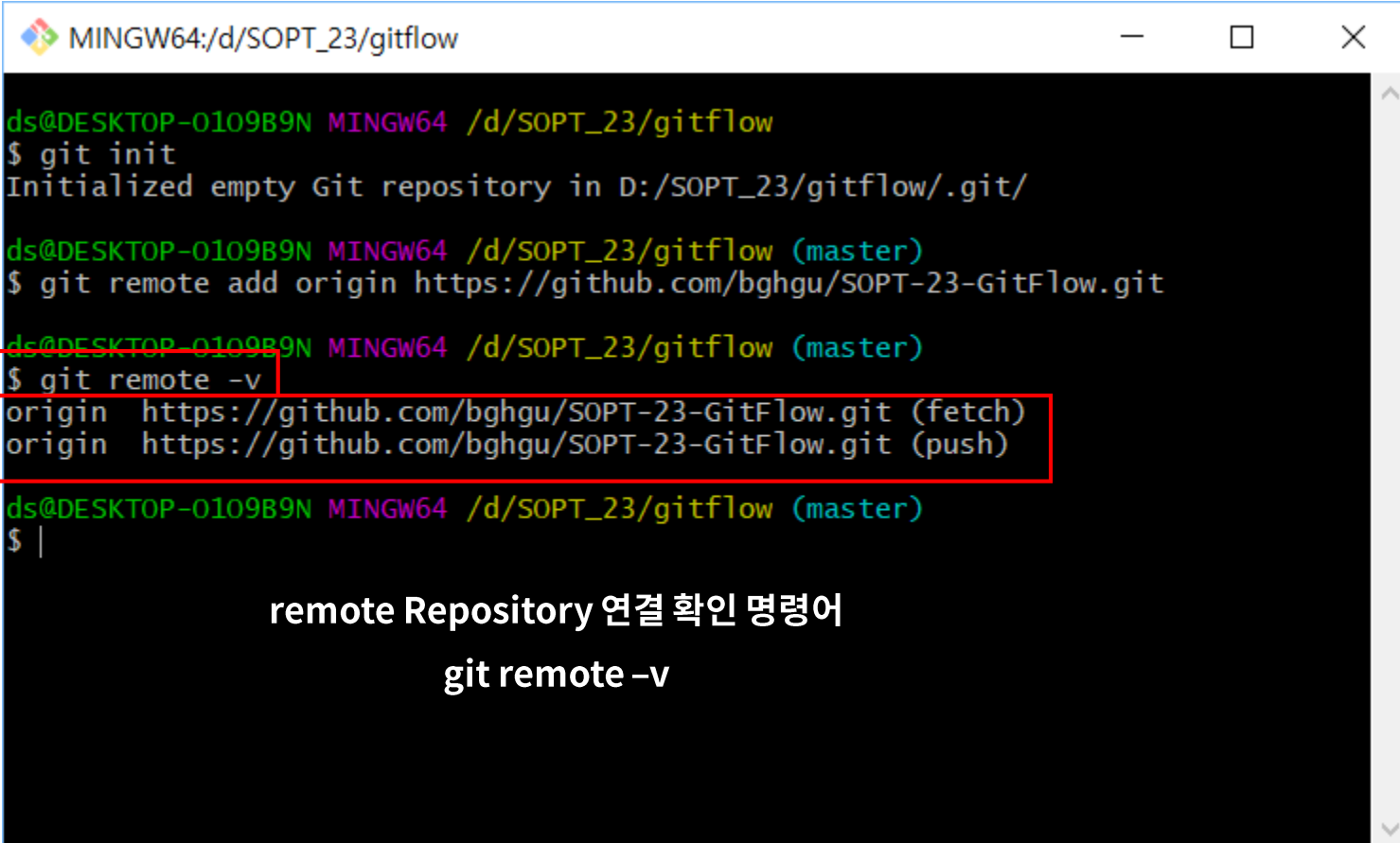
Quick setup — if you've done this kind of thing before

Set up in Desktop or **HTTPS** SSH `https://github.com/bghgu/SOPT-23-GitFlow.git`

주소 복사

Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.

3. Repository Remote 연결



```
MINGW64:/d/SOPT_23/gitflow
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow
$ git init
Initialized empty Git repository in D:/SOPT_23/gitflow/.git/

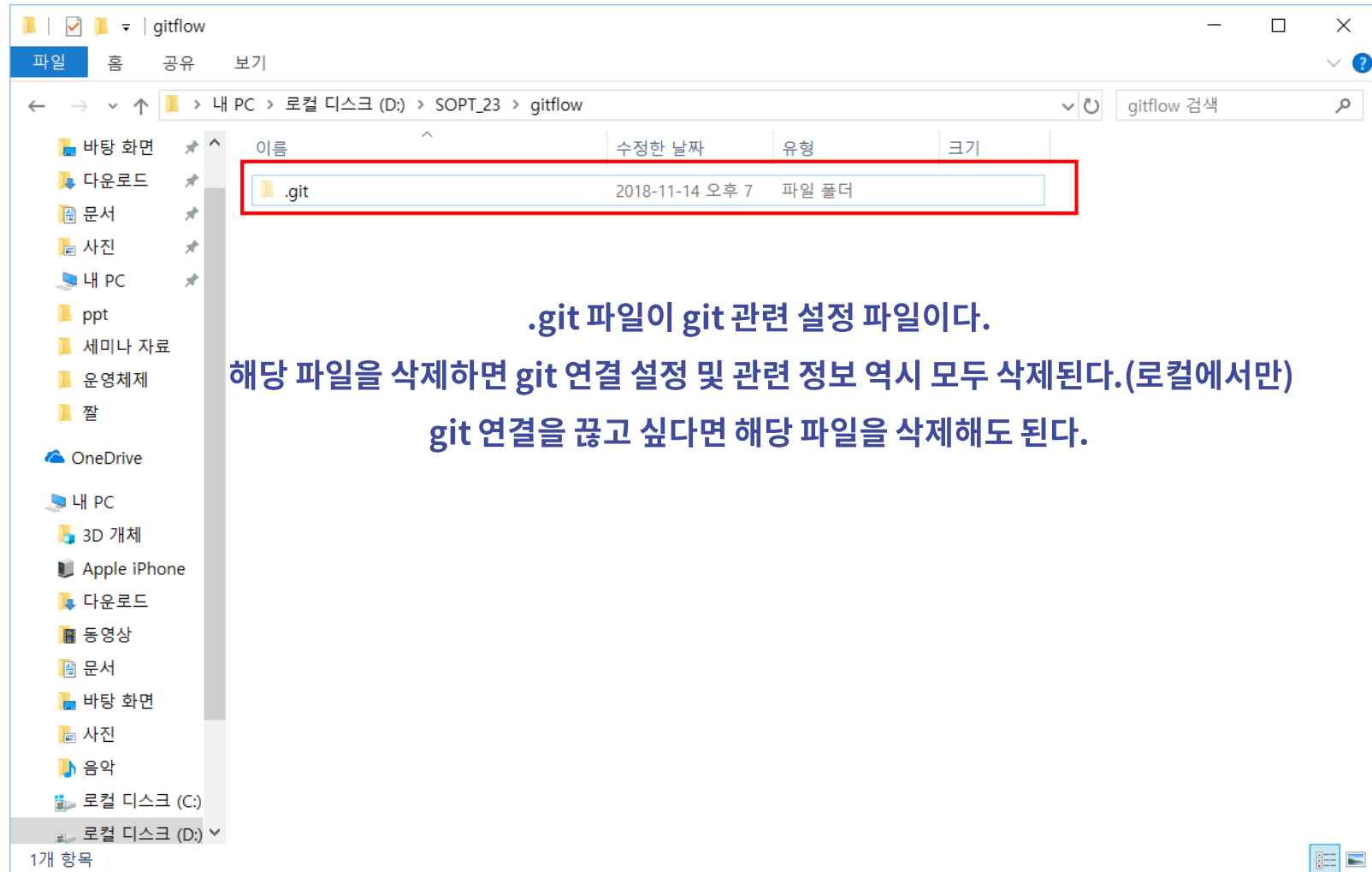
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git remote add origin https://github.com/bghgu/SOPT-23-GitFlow.git

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git remote -v
origin https://github.com/bghgu/SOPT-23-GitFlow.git (fetch)
origin https://github.com/bghgu/SOPT-23-GitFlow.git (push)

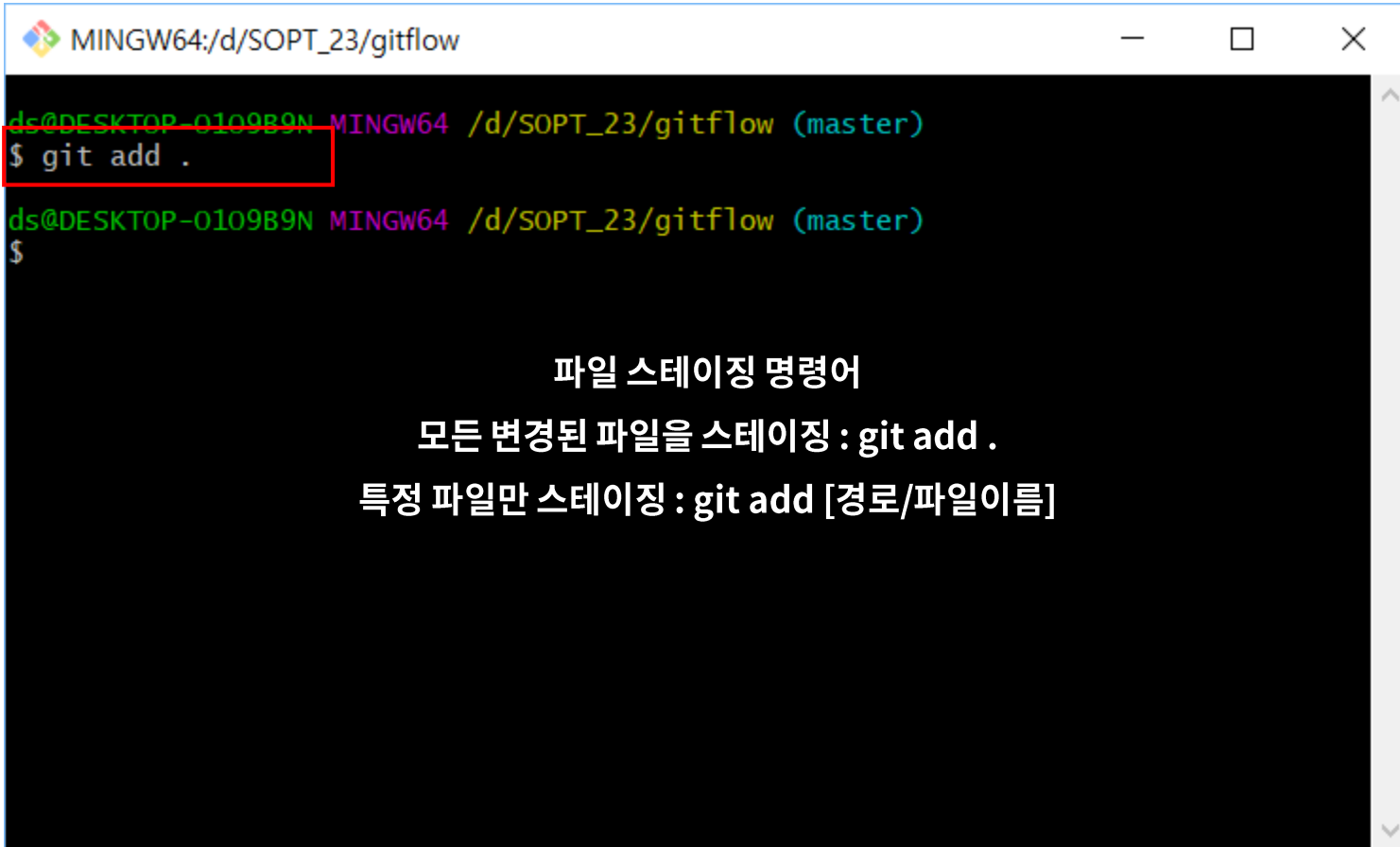
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ |
```

remote Repository 연결 확인 명령어
git remote -v

3. Repository Remote 연결



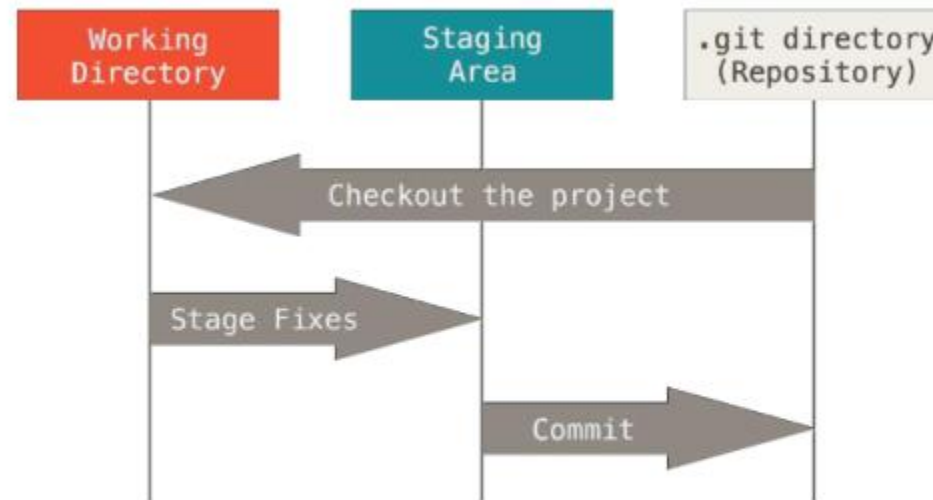
4. commit and push



```
MINGW64:/d/SOPT_23/gitflow
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git add .
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$
```

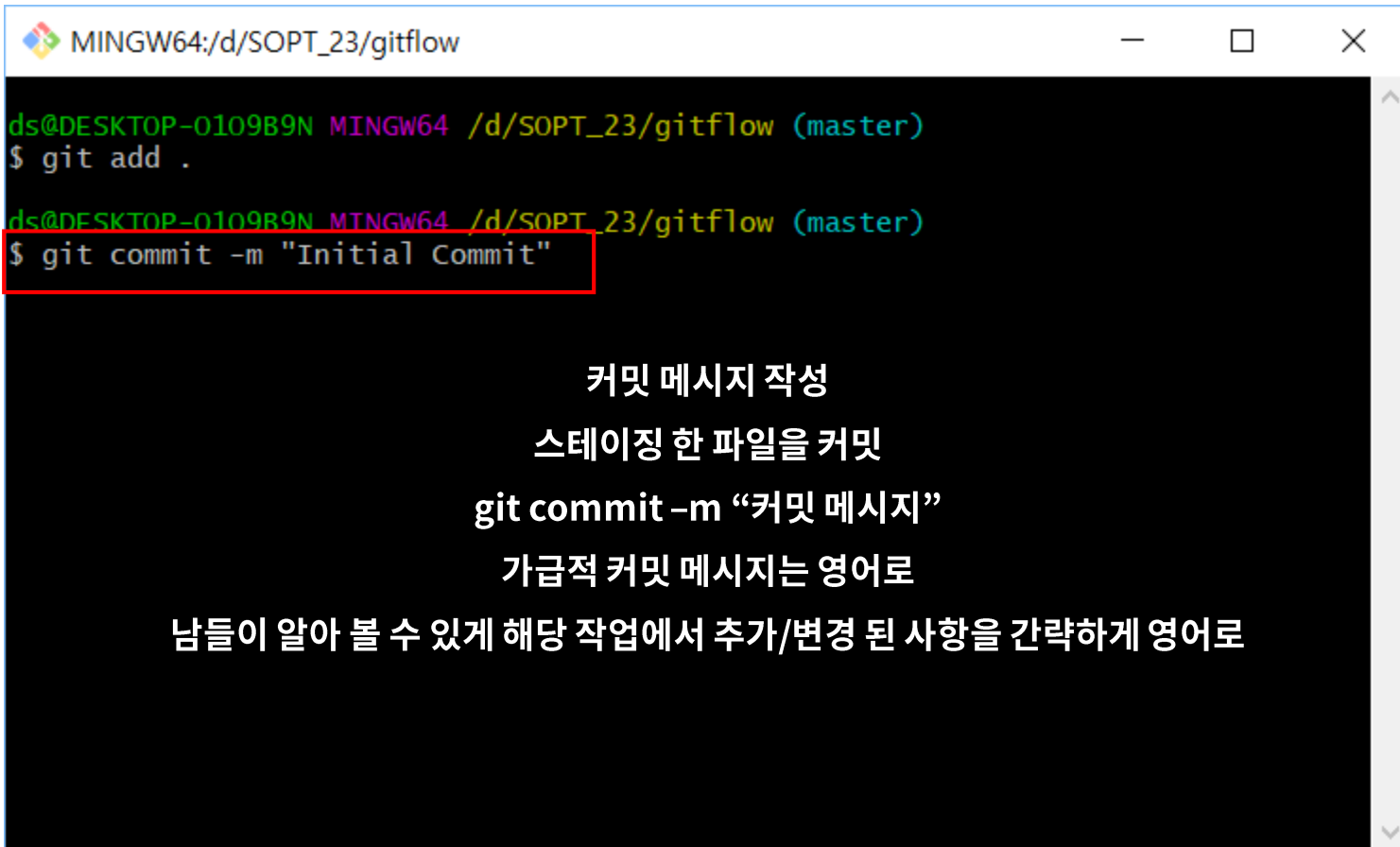
파일 스테이징 명령어
모든 변경된 파일을 스테이징 : `git add .`
특정 파일만 스테이징 : `git add [경로/파일이름]`

4. commit and push



1. Working Directory : 로컬 작업 디렉토리
2. Staging Area : 커밋 시 반영되는 파일이 보관되어 있는 곳이다.
3. .git directory(Repository) : 이곳에 저장된 파일을 push 할 경우 원격 저장소로 반영된다.

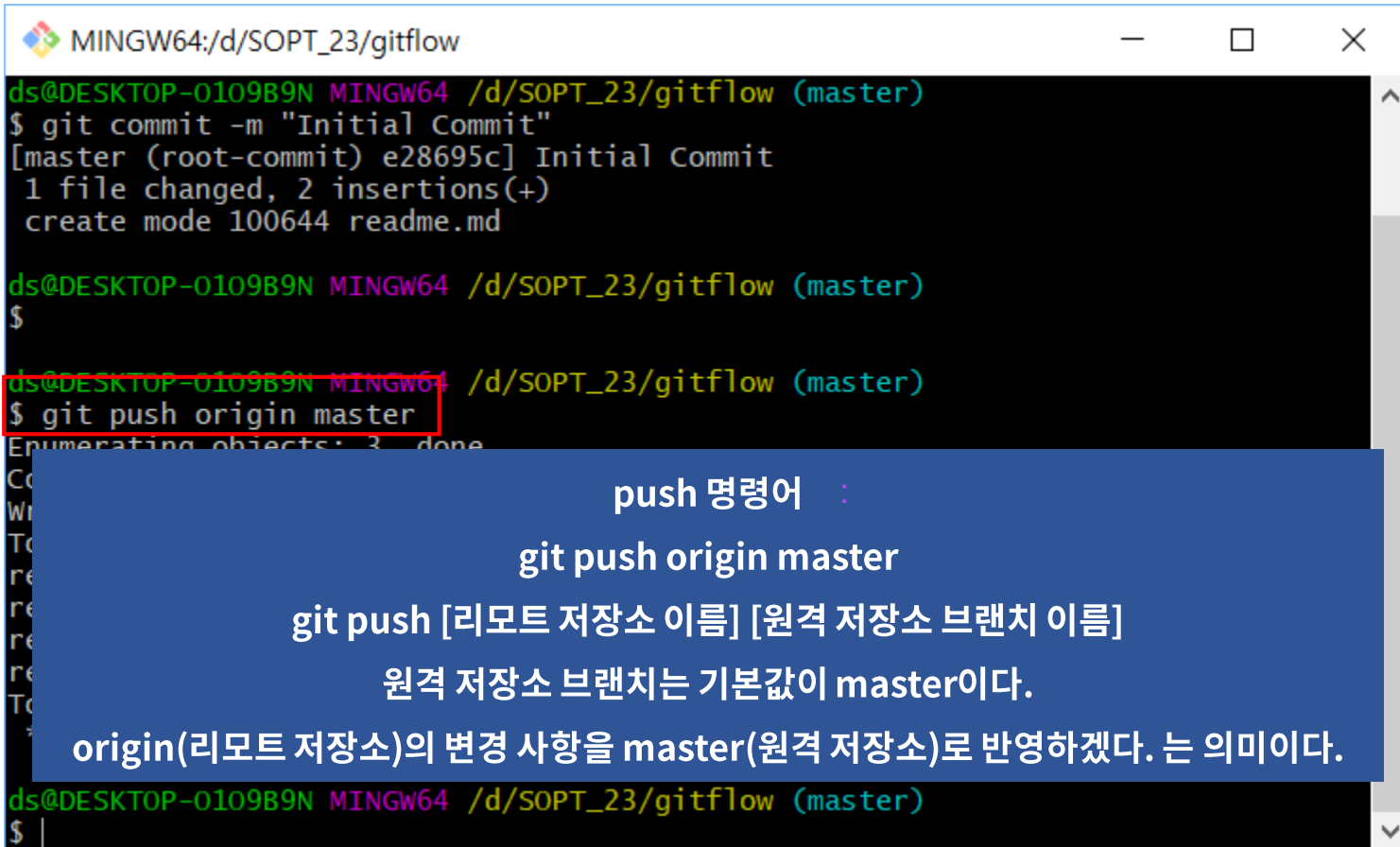
4. commit and push



```
MINGW64:/d/SOPT_23/gitflow
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git add .
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git commit -m "Initial Commit"
```

커밋 메시지 작성
스테이징 한 파일을 커밋
`git commit -m "커밋 메시지"`
가급적 커밋 메시지는 영어로
남들이 알아 볼 수 있게 해당 작업에서 추가/변경 된 사항을 간략하게 영어로

4. commit and push



```
MINGW64:/d/SOPT_23/gitflow
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git commit -m "Initial Commit"
[master (root-commit) e28695c] Initial Commit
1 file changed, 2 insertions(+)
create mode 100644 readme.md

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git push origin master
Enumerating objects: 3, done
Compressing objects: 100% (3/3), done
Writing to disk: 100% (3/3), done
remote: Compressing...
remote: done
remote: creating new commit
remote: push result: 1 commit pushed
To github.com:ds@SOPT_23:gitflow
 * [new branch] master -> master
```

push 명령어 :

git push origin master

git push [리모트 저장소 이름] [원격 저장소 브랜치 이름]

원격 저장소 브랜치는 기본값이 master이다.

origin(리모트 저장소)의 변경 사항을 master(원격 저장소)로 반영하겠다. 는 의미이다.

4. commit and push

bghgu/SOPT-23-GitFlow

Search or jump to... Pull requests Issues Marketplace Explore

bghgu / SOPT-23-GitFlow

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

No description, website, or topics provided. Edit

Manage topics

1 commit 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

bghgu Initial Commit	Latest commit e28695c 7 minutes ago
Initial Commit	7 minutes ago

readme.md

Gitflow 정상적인 commit & push 완료

4. commit and push

Network Graph · bghgu/SOPT-23-GitFlow

GitHub, Inc. [US] | https://github.com/bghgu/SOPT-23-GitFlow/network

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bghgu / SOPT-23-GitFlow

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Pulse Contributors Community Traffic Commits Code frequency Dependency graph Alerts Network Forks

Owners	Nov
bghgu	14

remote repository의 branch 상태를 확인

branch master .

4. commit and push

Network Graph · project-cowalk x +

GitHub, Inc. [US] | https://github.com/project-cowalker/project-cowalker-server/network

Search or jump to... Pull requests Issues Marketplace Explore

project-cowalker / project-cowalker-server Watch 0 Star 0 Fork 2

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

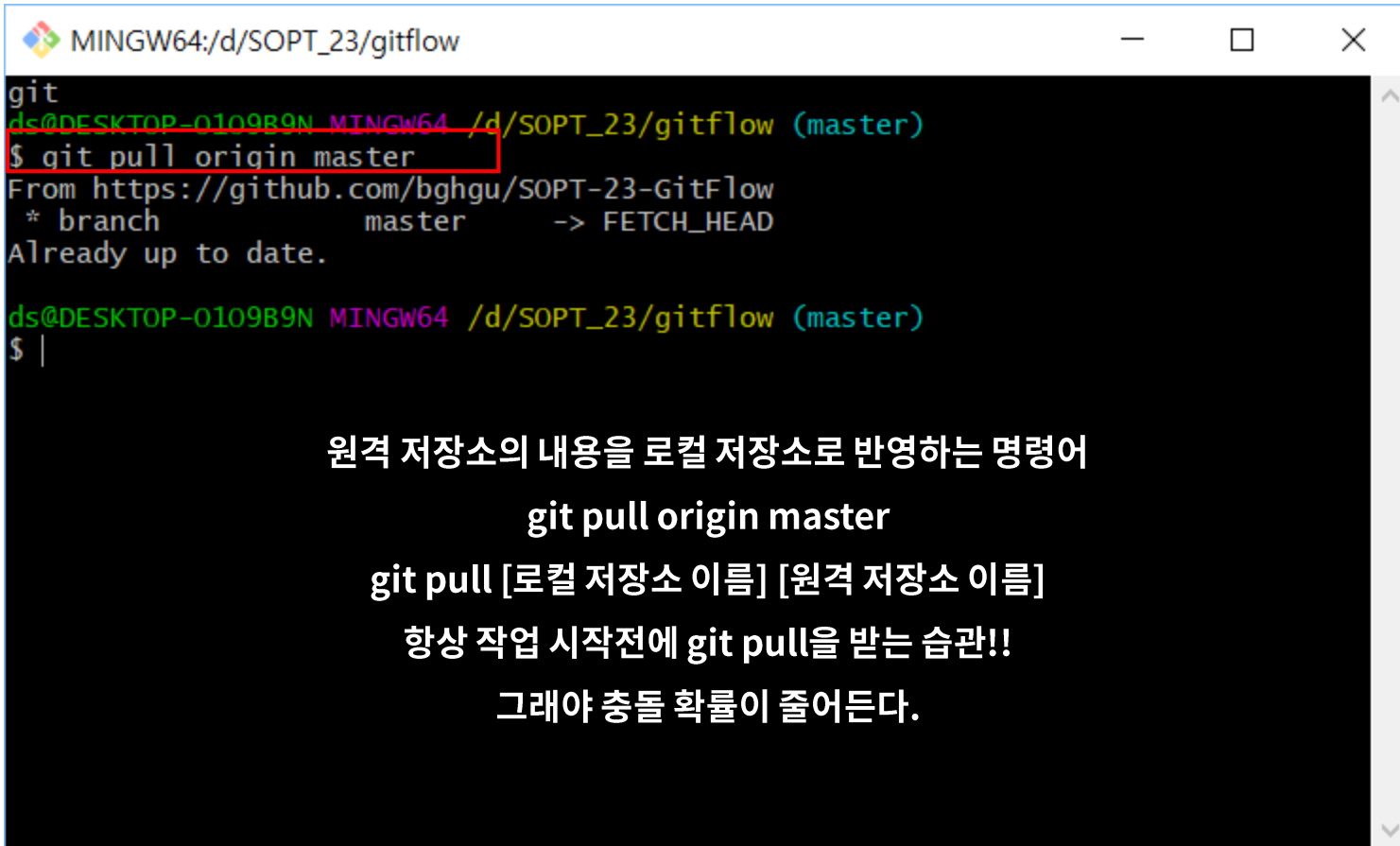
Pulse Contributors Community Traffic Commits Code frequency Dependency graph Alerts Network Forks

Owners Aug 15 23 26 8

project-cowalker feature-1h feature-1 develop master

branch:
remote repository의 branch 상태를 확인
다양한 branch의 상태들을 볼 수도 있다.

5. git pull



```
MINGW64:/d/SOPT_23/gitflow
git
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git pull origin master
From https://github.com/bghgu/SOPT-23-GitFlow
 * branch      master      -> FETCH_HEAD
Already up to date.

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ |
```

원격 저장소의 내용을 로컬 저장소로 반영하는 명령어

git pull origin master

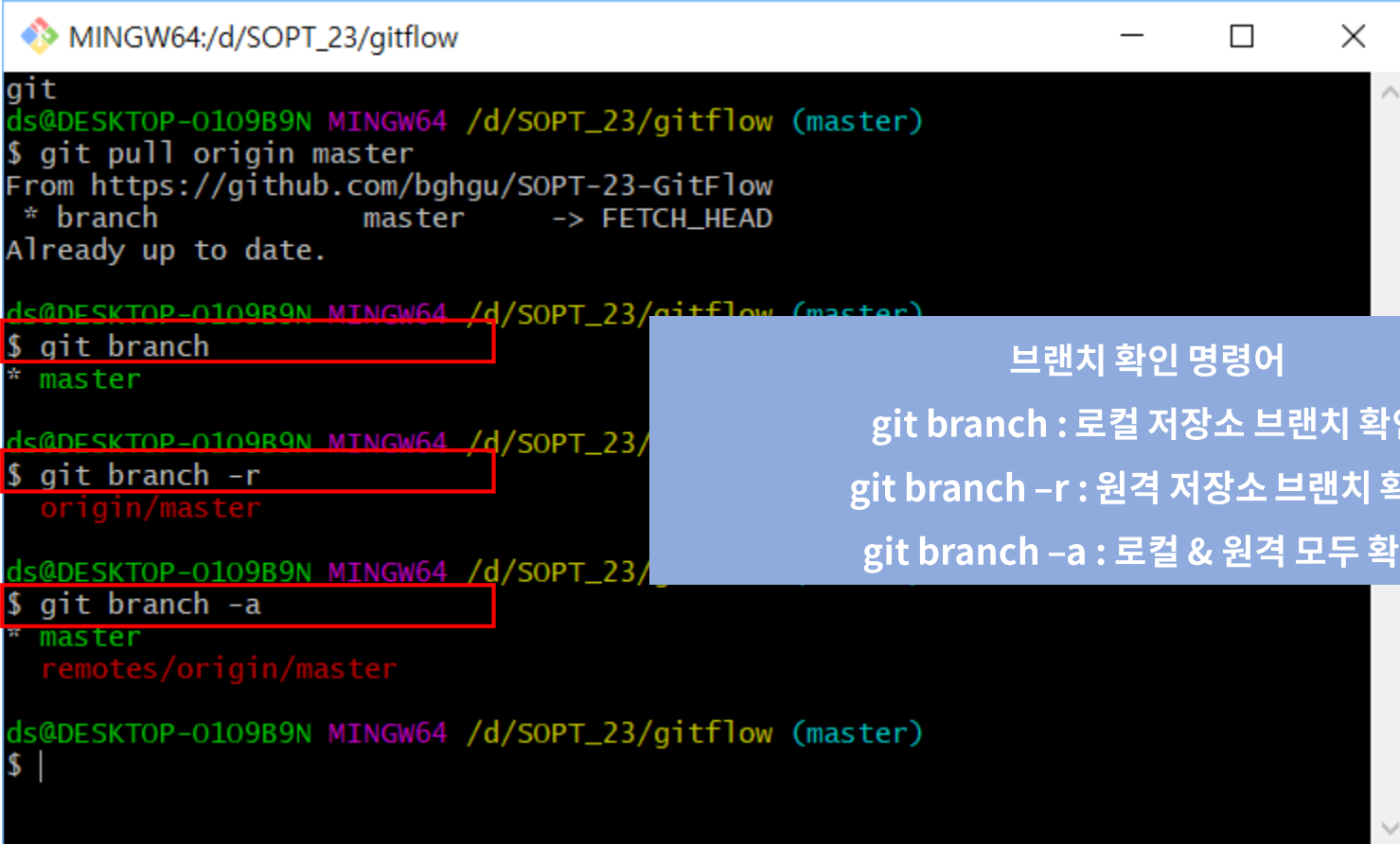
git pull [로컬 저장소 이름] [원격 저장소 이름]

항상 작업 시작전에 git pull을 받는 습관!!

그래야 충돌 확률이 줄어든다.

branch

6. git branch



```
MINGW64:/d/SOPT_23/gitflow
git
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git pull origin master
From https://github.com/bghgu/SOPT-23-GitFlow
* branch          master       -> FETCH_HEAD
Already up to date.

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git branch
* master

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/
$ git branch -r
origin/master

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/
$ git branch -a
* master
remotes/origin/master

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ |
```

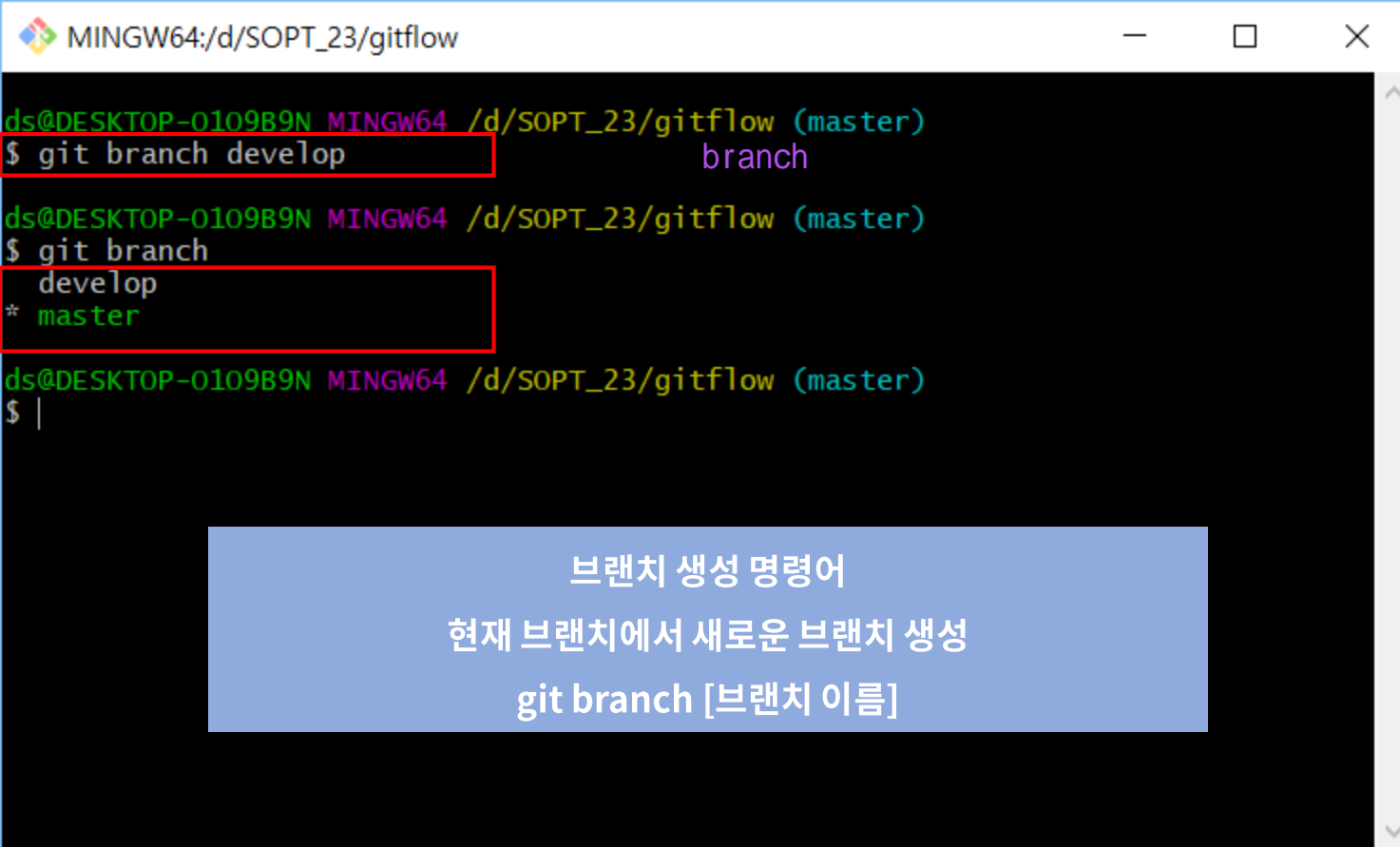
브랜치 확인 명령어

git branch : 로컬 저장소 브랜치 확인

git branch -r : 원격 저장소 브랜치 확인

git branch -a : 로컬 & 원격 모두 확인

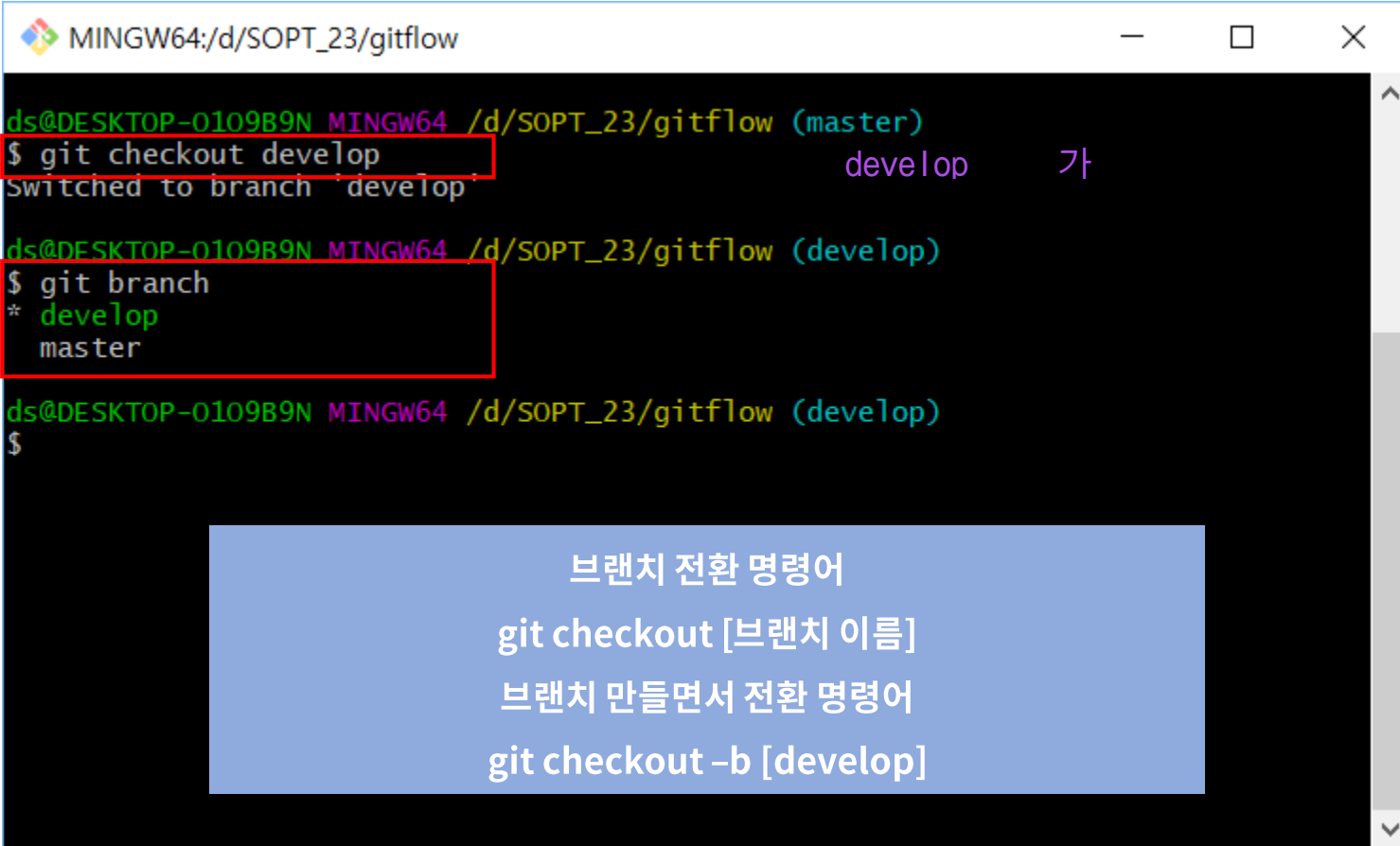
6. git branch

A terminal window titled 'MINGW64:/d/SOPT_23/gitflow' with standard window controls. It shows a sequence of git commands and their outputs. The command 'git branch develop' is highlighted with a red box. The output 'branch' is shown. Then 'git branch' is entered, and the output shows 'develop' and '* master'.

```
MINGW64:/d/SOPT_23/gitflow
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git branch develop
branch
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git branch
develop
* master
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ |
```

브랜치 생성 명령어
현재 브랜치에서 새로운 브랜치 생성
git branch [브랜치 이름]

6. git branch



```
MINGW64:/d/SOPT_23/gitflow
ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (master)
$ git checkout develop
Switched to branch 'develop'

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (develop)
$ git branch
* develop
  master

ds@DESKTOP-0109B9N MINGW64 /d/SOPT_23/gitflow (develop)
$
```

브랜치 전환 명령어
git checkout [브랜치 이름]
브랜치 만들면서 전환 명령어
git checkout -b [develop]

7. git pull Request

Pull Requests · bghgu/SOPT-23

GitHub, Inc. [US] | https://github.com/bghgu/SOPT-23-GitFlow/pulls

Search or jump to... Pull requests Issues Marketplace Explore

bghgu / SOPT-23-GitFlow

Watch 0 Star 0 Fork 0

Code Issues 1 Pull requests 0 Projects 0 Wiki Insights Settings

Label issues and pull requests for new contributors
Now, GitHub will help potential first-time contributors discover issues labeled with **help wanted** or **good first issue**

Filters is:pr is:open Labels Milestones

New pull request

0 Open 0 Closed Author Labels Projects Milestones Reviews Assignee Sort

There aren't any open pull requests.
You could search [all of GitHub](#) or try an [advanced search](#).

7. git pull Request

Comparing master...develop · bghgu

GitHub, Inc. [US] | <https://github.com/bghgu/SOPT-23-GitFlow/compare/master...develop>

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

base: master ← compare: develop ✓ Able to merge. These branches can be automatically merged.

Create pull request Discuss and review the changes in this comparison with others.

1 commit 1 file changed 0 commit comments 1 contributor

Commits on Nov 17, 2018

bghgu test bc6ff16

Showing 1 changed file with 1 addition and 0 deletions. Unified Split

```
1 ■■■■■ README.md
...   ...   @@ -1,2 +1,3 @@
1     1     # Gitflow
2     2
3     3     + test
```

7. git pull Request

Comparing master...develop · bghgu

GitHub, Inc. [US] | <https://github.com/bghgu/SOPT-23-GitFlow/compare/master...develop>

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: master ← compare: develop ✓ Able to merge. These branches can be automatically merged.

test

Write Preview

메시지를 남길 수 있다.

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Reviewers: No reviews

Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone

Create pull request

1 commit 1 file changed 0 commit comments 1 contributor

Commits on Nov 17, 2018

7. git pull Request

The screenshot shows a GitHub Pull Request page for 'test #2'. The page header includes the repository name 'test by bghgu' and the pull request number '#2'. The main content area shows the pull request details, including the commit message 'bghgu wants to merge 1 commit into master from develop'. A comment by 'bghgu' is visible, stating '메시지를 남길 수 있다.' (I can leave a message). The pull request status is 'Open'. The right sidebar contains various settings like Reviewers, Assignees, Labels, Projects, Milestone, and Notifications. A red box highlights the 'Merge pull request' button, which is green and located at the bottom of the pull request details. Below the button, there is a link to 'You can also open this in GitHub Desktop or view command line instructions.'

test by bghgu · Pull Request #2

GitHub, Inc. [US] | https://github.com/bghgu/SOPT-23-GitFlow/pull/2

Code Issues 0 Pull requests 1 Projects 0 Wiki Insights Settings

test #2

Open bghgu wants to merge 1 commit into master from develop

Conversation 0 Commits 1 Checks 0 Files changed 1 +1 -0

bghgu commented just now

메시지를 남길 수 있다.

test bc6ff16

Add more commits by pushing to the develop branch on bghgu/SOPT-23-GitFlow

Continuous integration has not been set up
Several apps are available to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch
Merging can be performed automatically.

Merge pull request

You can also open this in GitHub Desktop or view command line instructions.

Write Preview

Unsubscribe

You're receiving notifications because you authored the thread.

7. git pull Request

test by bghgu · Pull Request #2

GitHub, Inc. [US] | https://github.com/bghgu/SOPT-23-GitFlow/pull/2

Code Issues 0 Pull requests 1 Projects 0 Wiki Insights Settings

test #2

Merged bghgu merged 1 commit into master from develop just now

Conversation 0 Commits 1 Checks 0 Files changed 1 +1 -0

bghgu commented just now

메시지를 남길 수 있다.

test

bghgu merged commit 5d1bd22 into master just now

Pull request successfully merged and closed
You're all set—the develop branch can be safely deleted.

Delete branch

Write Preview

Leave a comment

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Reviewers: No reviews

Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone

Notifications: Unsubscribe

You're receiving notifications because you modified the open/close state.

7. git pull Request

Network Graph · bghgu/SOPT-23-GitFlow

GitHub, Inc. [US] | https://github.com/bghgu/SOPT-23-GitFlow/network

Search or jump to... Pull requests Issues Marketplace Explore

bghgu / SOPT-23-GitFlow

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Pulse Contributors Community Traffic Commits Code frequency Dependency graph Alerts Network Forks

Owners Nov

14 16

bghgu

The diagram shows a Git commit history graph for the repository bghgu/SOPT-23-GitFlow. It highlights a merge operation on November 14th and 16th. The graph shows a 'develop' branch merging into the 'master' branch. The 'master' branch is represented by a black vertical bar, and the 'develop' branch is represented by a blue vertical bar. A blue arrow indicates the merge from 'develop' to 'master'. The graph is enclosed in a red box.

여기까지 정리

1. git init
2. git remote add origin [repo 주소]
3. 작업.....
4. git add .
5. git commit -m “커밋 메시지”
6. git push origin **master**
7. git branch develop
8. git checkout develop
9. 다시 작업.....
10. git add .
11. git commit -m “커밋 메시지”
12. git push origin **develop**
13. git checkout master
- merge 하는 두 가지 방법-----
1. git merge develop
2. github에서 pull request

8. issue

Issues · bghgu/SOPT-23-GitFlow

GitHub, Inc. [US] | <https://github.com/bghgu/SOPT-23-GitFlow/issues>

Search or jump to... Pull requests Issues Marketplace Explore

bghgu / SOPT-23-GitFlow

Watch 0 Star 0 Fork 0

<> Code **Issues 0** Pull requests 0 Projects 0 Wiki Insights Settings

Label issues and pull requests for new contributors
Now, GitHub will help potential first-time contributors discover issues labeled with [help wanted](#) or [good first issue](#) [Dismiss](#)

Filters is:issue is:open Labels Milestones **New issue**

Issue에서는 해결해야 할 문제나, 각종 토론 대화 등을 할 수 있다.

Welcome to Issues!

Issues are used to track todos, bugs, feature requests, and more. As issues are created, they'll appear here in a searchable and filterable list. To get started, you should [create an issue](#).

8. issue

New Issue · bghgu/SOPT-23-GitFlow

GitHub, Inc. [US] | <https://github.com/bghgu/SOPT-23-GitFlow/issues/new>

Search or jump to... Pull requests Issues Marketplace Explore

bghgu / SOPT-23-GitFlow

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

이슈 테스트

Write Preview

이곳에서 앞으로 논의할 기능이나 코드, 기타 등등 게시판 기능
마크 다운 문법 지원

Assigness으로 사용자 태그(마치 @사용자)
labels로 이슈의 타입 설정

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Submit new issue

Assignees

bghgu

Labels

help wanted

good first issue

Projects

None yet

Milestone

No milestone

8. issue

이슈 테스트 · Issue #1 · bghgu

GitHub, Inc. [US] | https://github.com/bghgu/SOPT-23-GitFlow/issues/1

Search or jump to... Pull requests Issues Marketplace Explore

bghgu / SOPT-23-GitFlow

Watch 0 Star 0 Fork 0

Code Issues 1 Pull requests 0 Projects 0 Wiki Insights Settings

이슈 테스트 #1

Open bghgu opened this issue just now · 0 comments

bghgu commented just now

Owner + 👤 ...

이곳에서 앞으로 논의할 기능이나 코드, 기타 등등 게시판 기능
마크 다운 문법 지원

bghgu added help wanted good first issue labels just now

bghgu self-assigned this just now

Assignees

bghgu

Labels

good first issue

help wanted

Projects

None yet

Milestone

No milestone

Notifications

Unsubscribe

You're receiving notifications because you were assigned

Write Preview

AA B i “ < > ↺ ⋮ ≡ ≡ ≡ @ 🚩 ↶

Leave a comment

댓글 도 달 수 있다.

8. issue

이슈 테스트 · Issue #1 · bghgu/SOPT-23-GitFlow

GitHub, Inc. [US] | https://github.com/bghgu/SOPT-23-GitFlow/issues/1

Baekjoon Online Judge SW Expert Academy Pocket: 내 목록 AQueryTool GitHub 맞춤법 검사 - 잡코리아 웹페이지구축1 NAVER YouTube Client Area - Freemove 무신사 - 스트릿패션 블로터

bghgu commented just now

Owner + 👤 ...

이곳에서 앞으로 논의할 기능이나 코드, 기타 등등 게시판 기능
마크 다운 문법 지원

bghgu added **help wanted** **good first issue** labels just now

bghgu self-assigned this just now

Write Preview

AA B i “ < > ↺ ⋮ ⋮ ⋮ @ 📌 ↶

Leave a comment

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Close issue Comment

Assignees

bghgu

Labels

good first issue
help wanted

Projects

None yet

Milestone

No milestone

Notifications

Unsubscribe

You're receiving notifications because you were assigned.

1 participant

Lock conversation

Transfer this issue Beta

Delete this issue Beta

이슈를 종료 시킨다.
다시 이슈를 오픈 할 수도 있다.

8. issue

Issues · bghgu/SOPT-23-GitFlow x +

GitHub, Inc. [US] | https://github.com/bghgu/SOPT-23-GitFlow/issues?q=is%3Aopen+is%3Aissue

Search or jump to... Pull requests Issues Marketplace Explore

bghgu / SOPT-23-GitFlow Watch 0 Star 0 Fork 0

Code Issues 1 Pull requests 0 Projects 0 Wiki Insights Settings

Label issues and pull requests for new contributors
Now, GitHub will help potential first-time contributors discover issues labeled with **help wanted** or **good first issue** [Dismiss](#)

Filters is:open is:issue Labels Milestones [New issue](#)

Clear current search query, filters, and sorts

1 Open 0 Closed

이슈 테스트 **good first issue** **help wanted**
#1 opened 2 minutes ago by bghgu

ProTip! Mix and match filters to narrow down what you're looking for.



9. fork & clone

bghgu/SOPT-23-GitFlow

Search or jump to... Pull requests Issues Marketplace Explore

Watch 0 Star 0 Fork 0

Code Issues 1 Pull requests 0 Projects 0 Wiki Insights Settings

No description, website, or topics provided. Edit

Manage topics

1 commit 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

bghgu Initial Commit Latest commit e28695c 43 minutes ago

readme.md Initial Commit 43 minutes ago

readme.md

Gitflow

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03



Git Flow

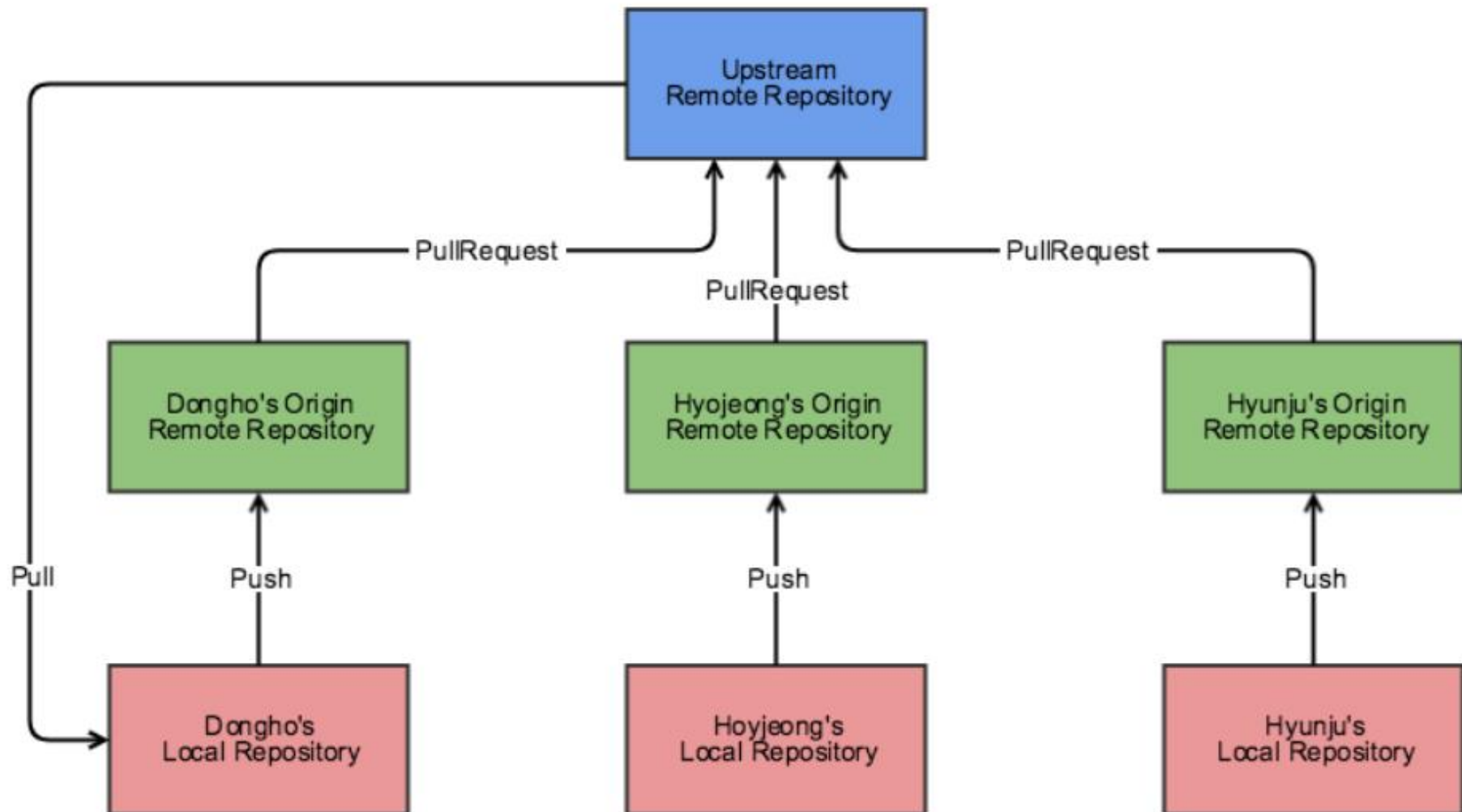
Git Flow

1. Branch 관리 전략, Branching 기법
2. 프로젝트를 진행하면서 발생하는 수 많은 Branch를 쉽게 다룰 수 있도록 해 주는 규칙, 전략
3. 기본 전략이기 때문에 상황에 맞게 커스텀해서 사용하면 된다.

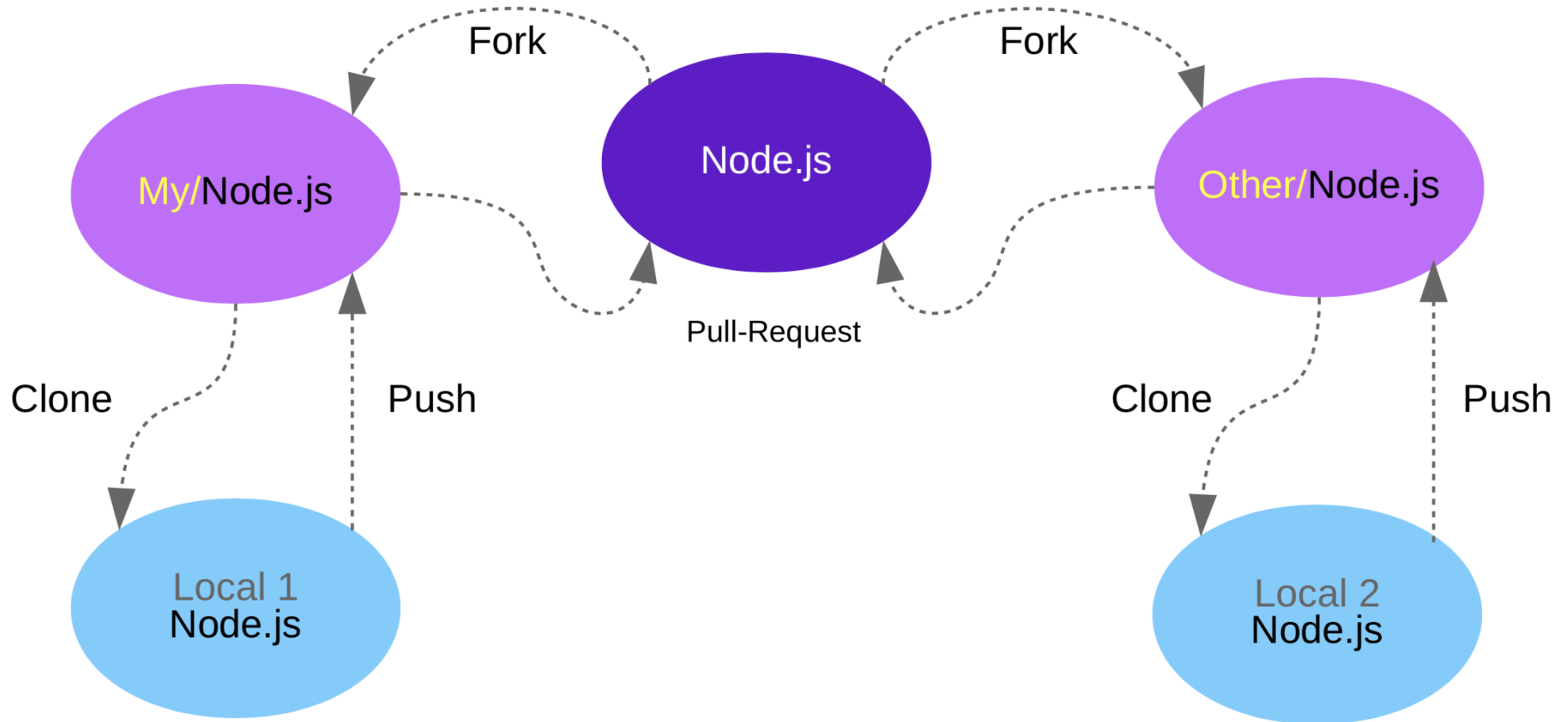
왜 Git Flow

1. feature Branch를 이용해 기능 개발의 책임 소재를 명확히 할 수 있다.
2. 개발 버전과 제품 버전을 개별 관리할 수 있다.
3. Pull Request를 이용하기 때문에 이를 이용해 코드 리뷰를 쉽게 할 수 있다.
4. feature branch와 hotfix의 commit message를 취합하게 되면, 이전 버전과의 변경 점을 쉽게 파악 할 수 있다.

Git Flow



Git Flow



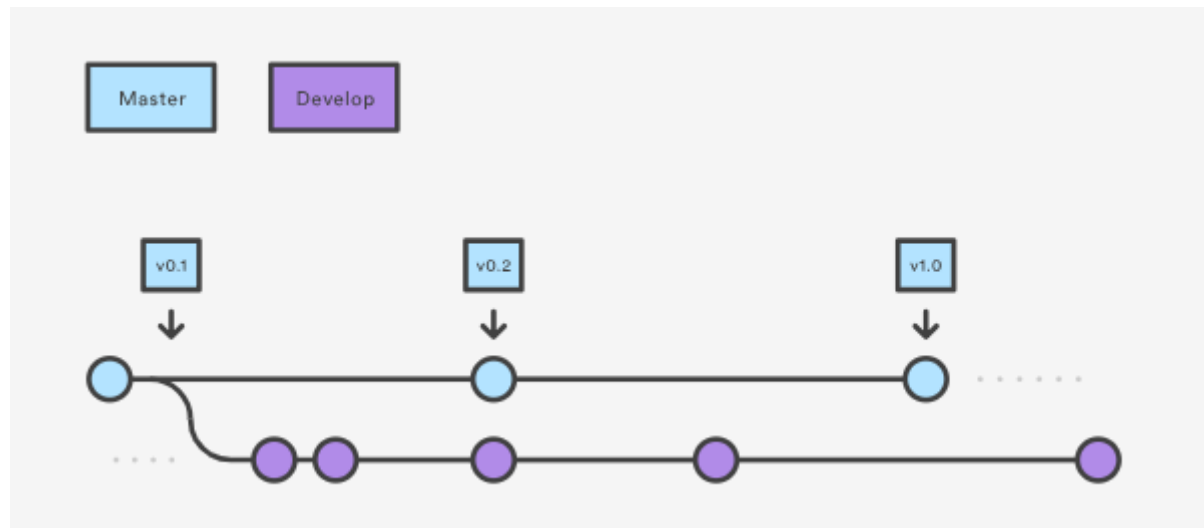
왜 Git Flow

1. 개발자들이 여러 가지 시도를 해 보면서도 원본 코드에는 영향을 끼치지 않는다.
2. 모두가 공유하는 Repository에서는 작업하기 위험성이 있다.
3. Fork한 Repository를 두면 부담 없이 원하는 실험들을 해볼 수 있다.
4. Fork를 해야 하는 이유는 push 권한을 모두에게 주면 안되기 때문이다. 나만의 작업 기록을 저장할 필요가 있다.

Git Flow Branch

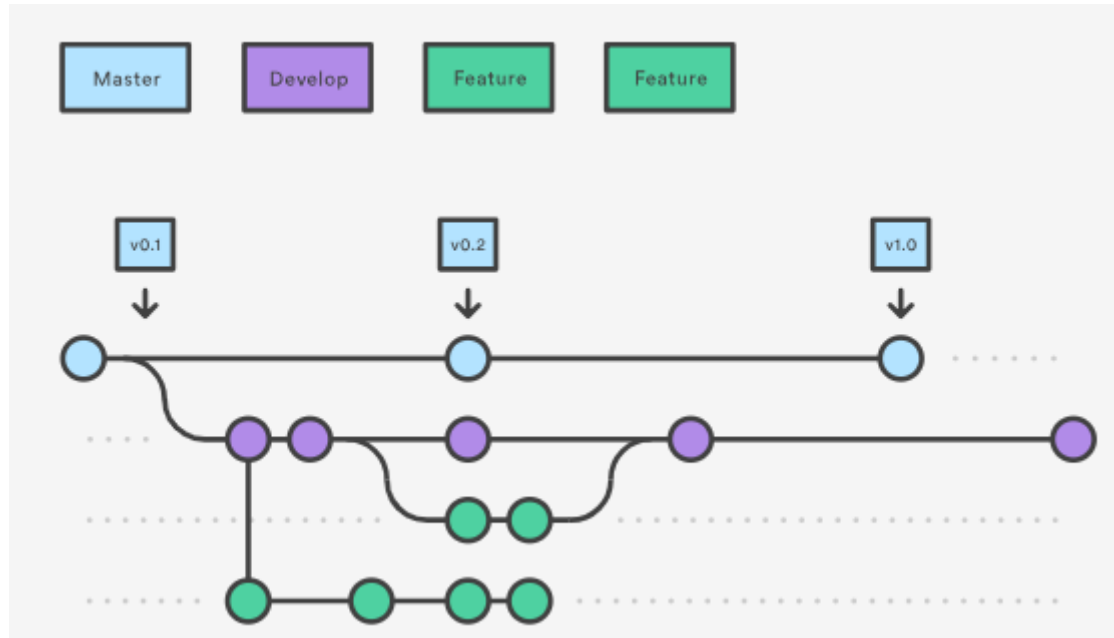
1. master : 중심이 되는 branch, 필수 요소
2. develop : 다음 버전을 개발하는 branch, 필수 요소
3. feature : 기능을 개발하는 branch (ex, feature_login), 필수 요소
4. release : 이번 출시 버전을 준비하는 branch (ex. release/0.1.0), 선택 요소
5. hotfix : release된 product에서 발생한 버그들을 수정하는 branch (ex. hotfix_branch), 선택 요소

First Branches



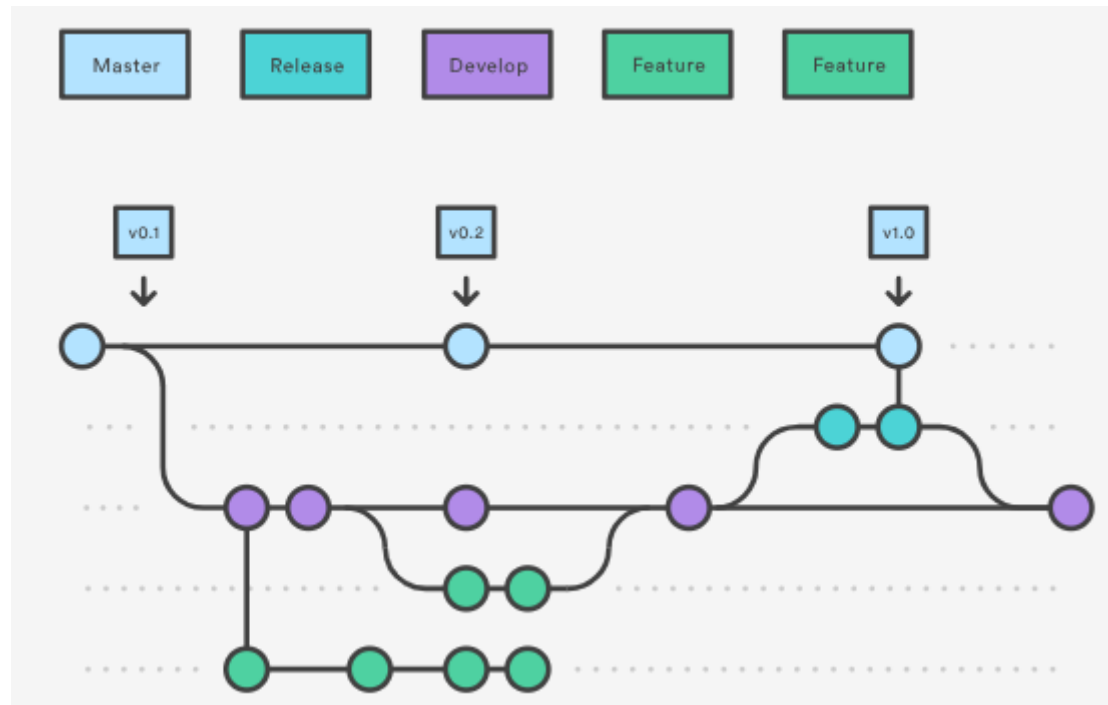
1. `git branch develop`
2. `git push origin develop`

Feature Branches



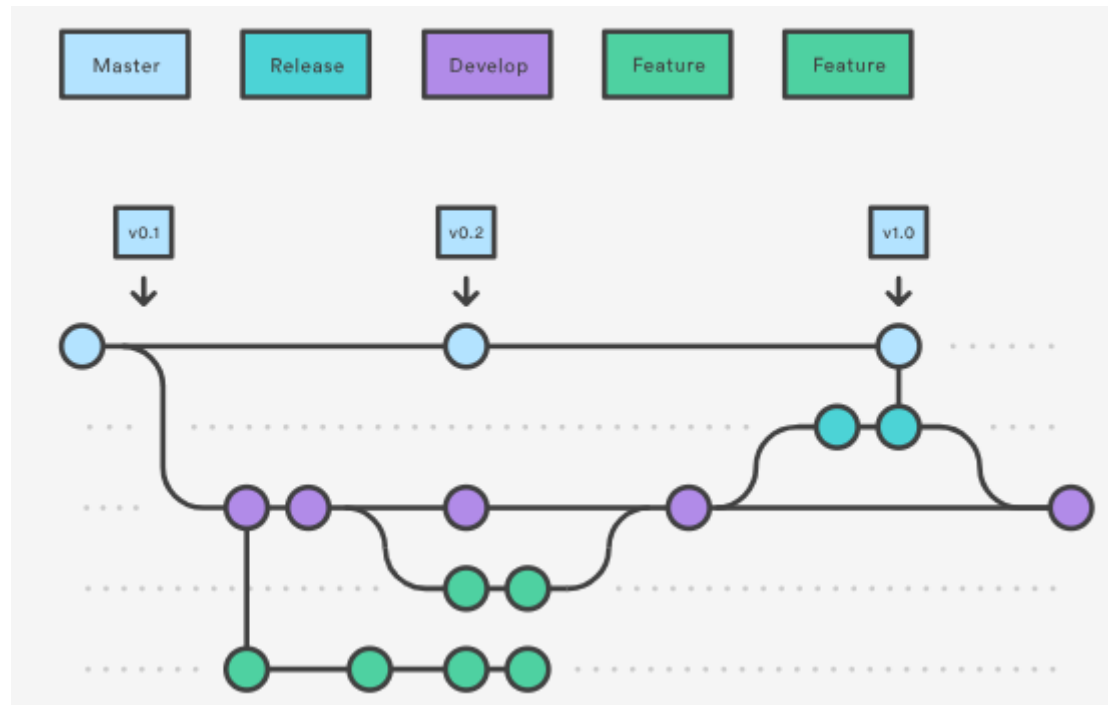
1. `git checkout develop`
2. `git checkout -b feature_brach`
3. work...(작업 시작 전 꼭 pull)
4. `git checkout develop`
5. `git merge feature_branch`

Release Branches



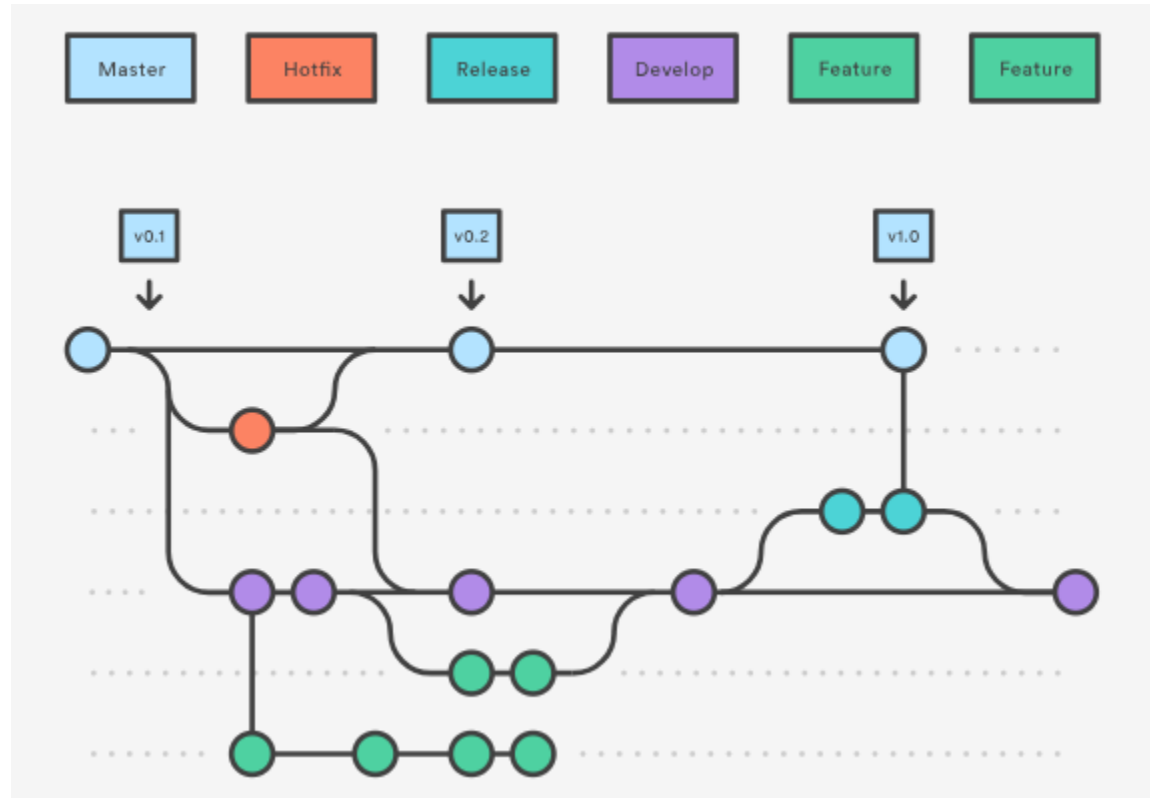
1. `git checkout develop`
2. `git checkout -b release/version(0.1.0)`
3. work...
4. `git checkout develop`
5. `git merge release/version(0.1.0)`

Release Branches



1. `git checkout develop`
2. `git checkout -b release/version(0.1.0)`
3. work...
4. `git checkout develop`
5. `git merge release/version(0.1.0)`

Hotfix Branches



1. `git checkout master`
2. `git checkout -b hotfix_branch`
3. `git checkout master/develop`
4. `git merge hotfix_branch`
5. `git branch -D hotfix_branch`

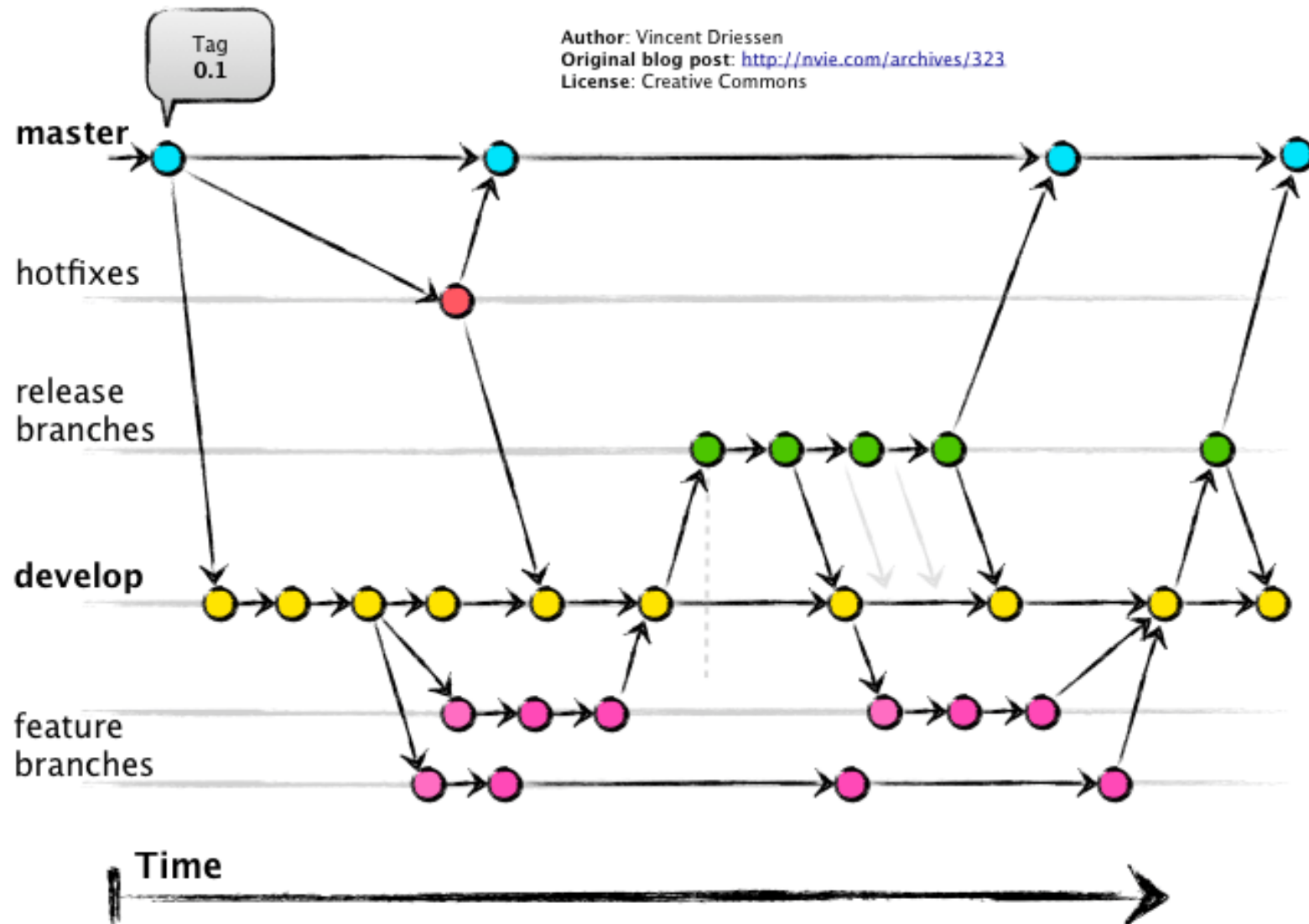
유의 사항

1. Release 기반 소프트웨어 work flow에 적합하다.
2. 생산에 대한 hotfixes 전용 채널을 제공한다.
3. feature_branch 작업을 시작하기 전에 항상 develop branch를 pull 하는 것이 좋다.

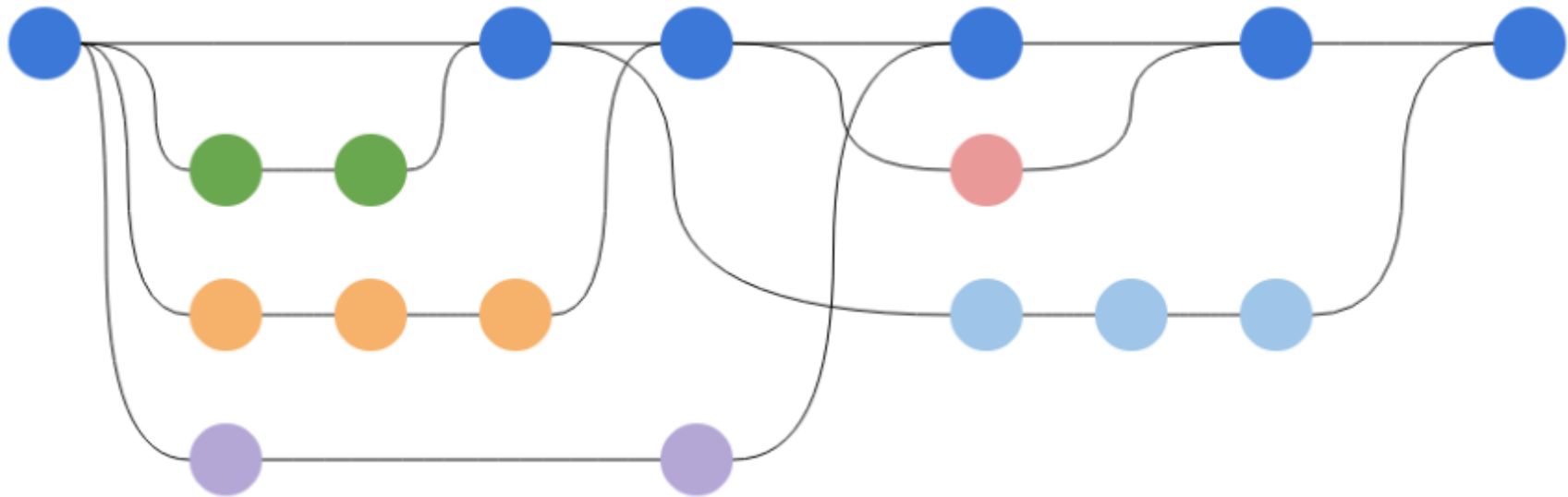
요약

1. master branch에서 develop branch가 생성된다.
2. release branch는 develop branch에서 생성된다.
3. feature branch는 develop branch에서 생성된다.
4. feature branch가 완료(기능 개발 완료)되면 develop branch로 병합된다.
5. release branch가 완료되면 develop, master branch로 병합된다.
6. master branch의 문제가 발견되면, hotfix branch가 master branch에서 생겨난다.
7. hotfix branch가 완료되면, develop, master branch로 병합된다.

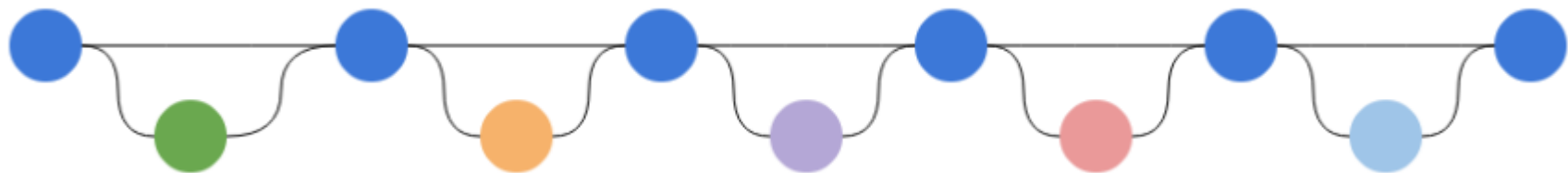
Git Flow



Rebase



Rebase 수행 전



Rebase 수행 후

S H O U T · O U R · P A S S I O N · T O G E T H E R

ODo IT SOPT O

THANK U

PPT 디자인 한승미 세미나 자료 배다슬

SHOUT OUR PASSION TOGETHER
SOPT