

BApp Dev Lab 2

Deployment

실습 목표

- Node.js 기반의 BApp을 클라우드에 배포
 - Git 설치
 - Git으로 Ballot BApp 동기화
 - Heroku PaaS 설정
 - Git으로 Heroku에 BApp 배포

Git 설치

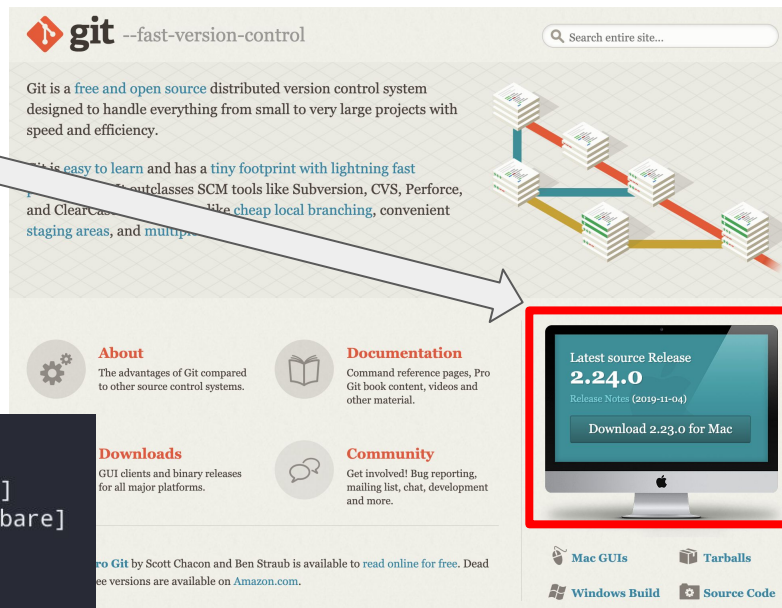
- <https://git-scm.com/>

- 위 링크에서 OS에 맞는 설치파일 다운
- 설치 후 cmd 또는 터미널에서 아래와 같이 **git** 실행확인

```
w3kimui-MacBook-Pro% git
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
      [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
      [-p | --paginate | -P | --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
```



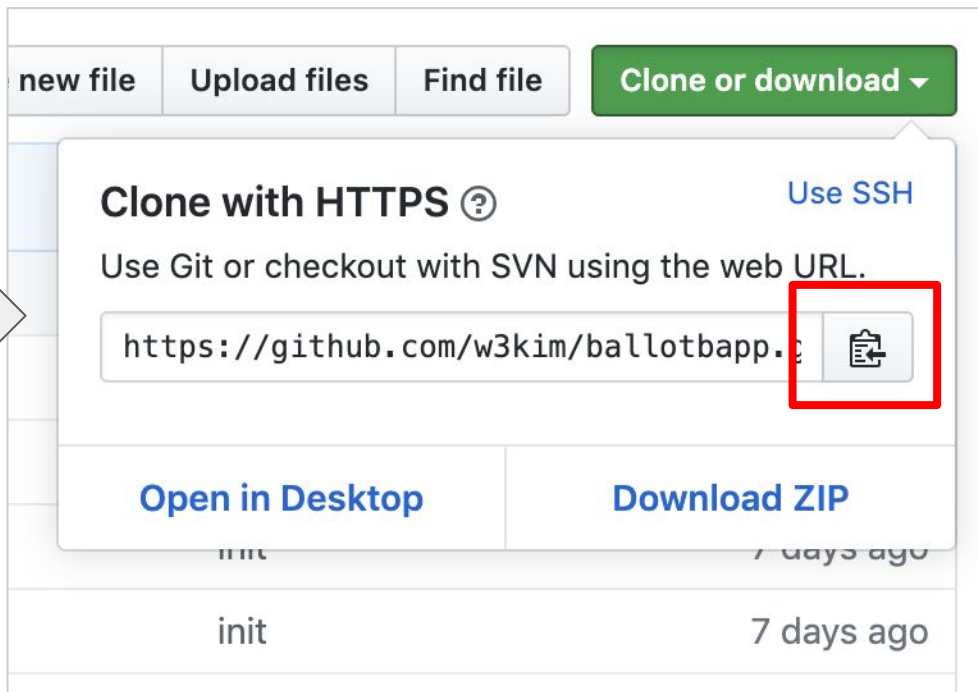
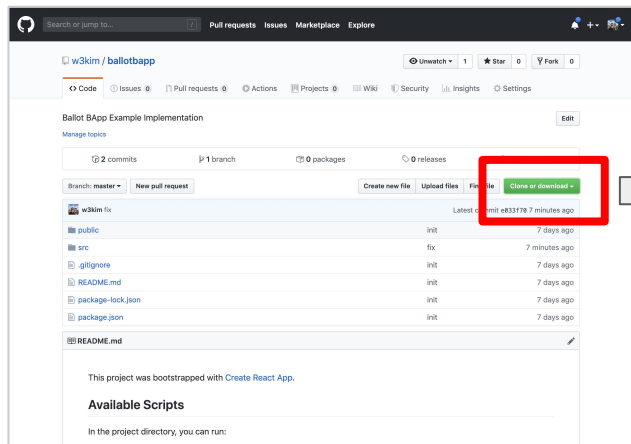
Git으로 Ballot BApp 동기화

- <https://github.com/w3kim/countbapp> 으로 이동

The screenshot shows the GitHub repository page for `w3kim / ballotbapp`. The repository is described as "Ballot BApp Example Implementation". It has 2 commits, 1 branch, 0 packages, 0 releases, and 1 contributor. The latest commit is `e833f70` from 7 minutes ago, titled "w3kim fix". The repository contains files `public`, `src`, `.gitignore`, `README.md`, `package-lock.json`, and `package.json`. The `README.md` file is open, showing the text: "This project was bootstrapped with [Create React App](#)." and a section titled "Available Scripts" with the instruction: "In the project directory, you can run:".

Git으로 Ballot BApp 동기화

- 'Clone or download'를 클릭
- 복사버튼을 눌러 주소 복사



Git으로 Ballot BApp 동기화

- cmd 또는 터미널을 열어 다음과 같이 입력

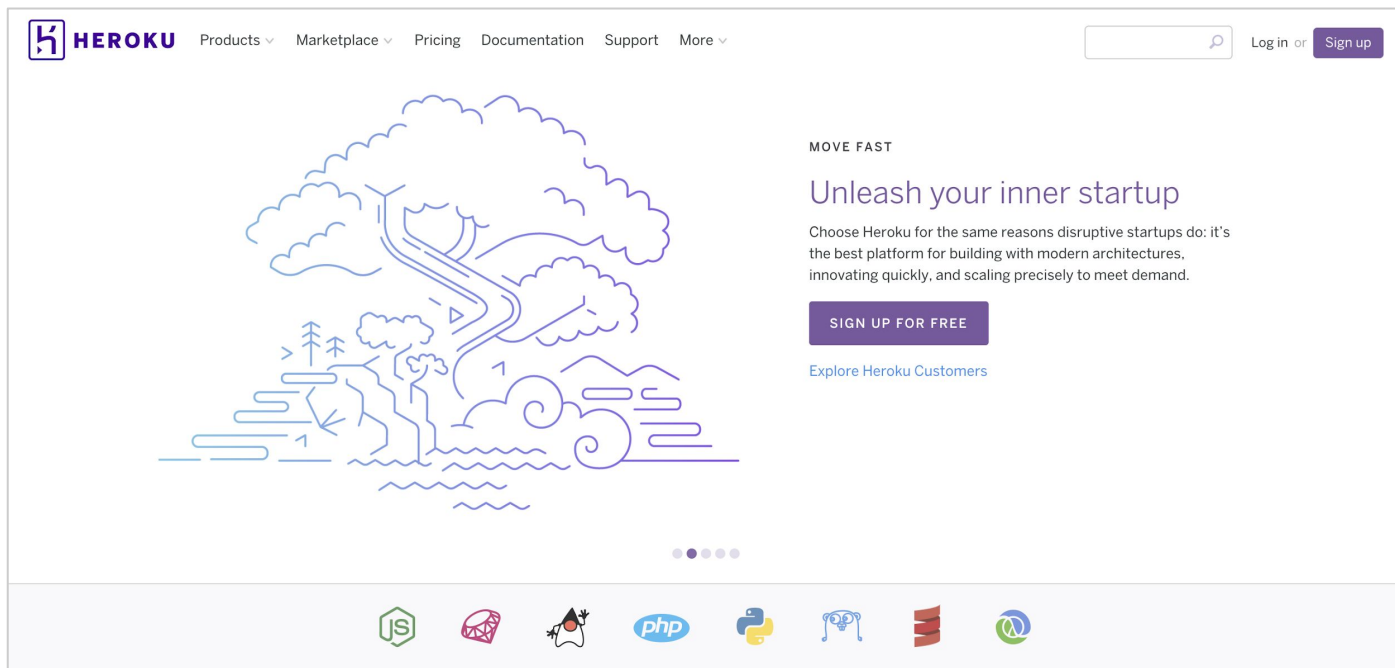
```
w3kimui-MacBook-Pro% git clone https://github.com/w3kim/ballotbapp.git
Cloning into 'ballotbapp'...
remote: Enumerating objects: 35, done.
remote: Counting objects: 100% (35/35), done.
remote: Compressing objects: 100% (28/28), done.
remote: Total 35 (delta 5), reused 35 (delta 5), pack-reused 0
Unpacking objects: 100% (35/35), done.
```

- 다음 명령어를 입력하여 ballotbapp 디렉토리로 이동

```
cd ballotbapp
```

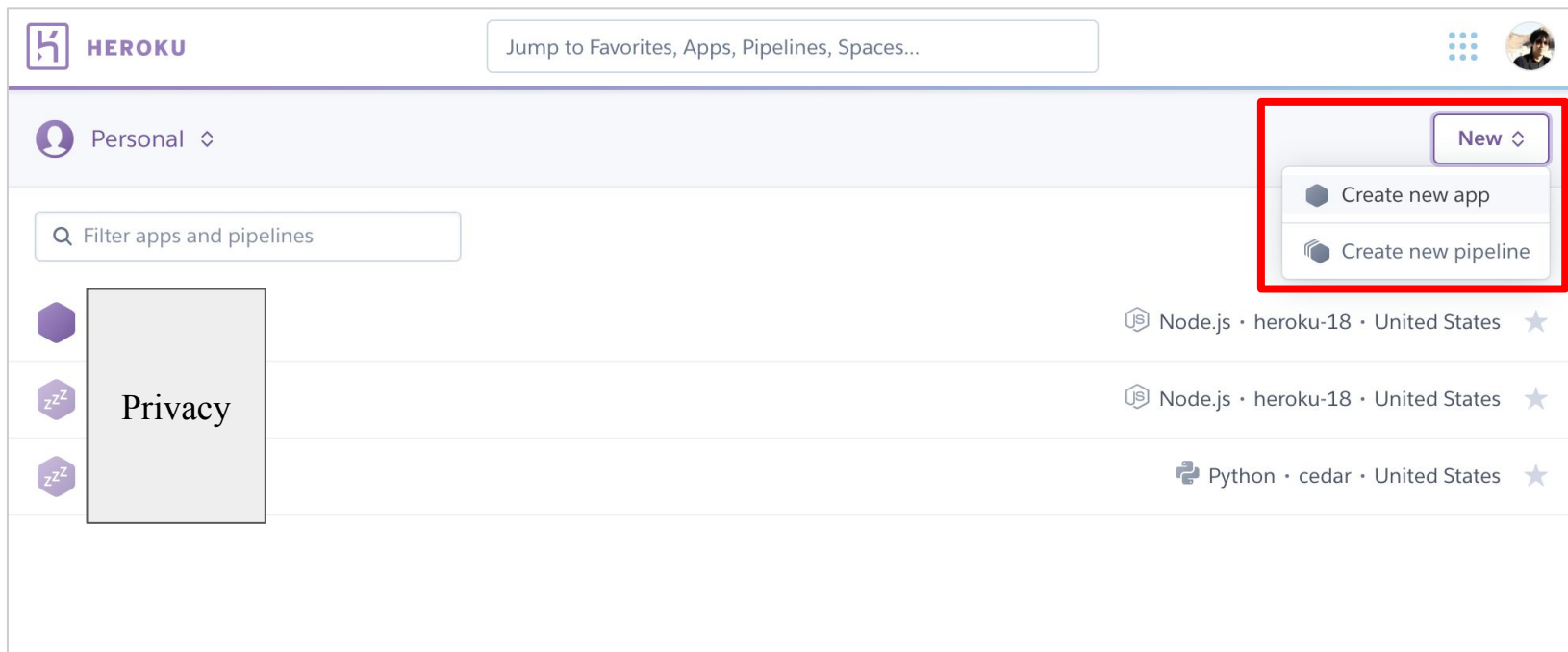
Heroku PaaS 설정

- heroku.com에 접속하여 회원가입 후 로그인



Heroku PaaS 설정

- 대시보드에서 New > Create new app 버튼을 눌러 새로운 어플리케이션 생성



Heroku PaaS 설정

- App name을 지정한 뒤 Create app을 눌러 어플리케이션 생성

Create New App


App name

your-bapp-name


✓

your-bapp-name is available

Choose a region

 United States

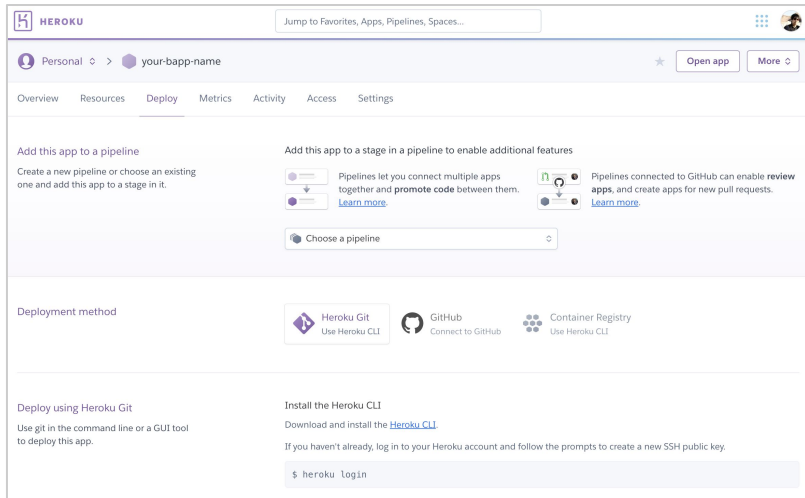
⌵

 Add to pipeline...

Create app


Heroku PaaS 설정

- App이 생성되면 다음과 같이 대시보드로 화면이 전환
 - App을 배포할 준비 완료
 - App 배포시 <app-name>.herokuapp.com으로 접근 가능
 - App 배포는 Heroku CLI로 수행



Git으로 Heroku에 BApp 배포


- BApp을 cmd/터미널을 사용하여 배포하기 위해 Heroku CLI를 설치

 **macOS**

Download the installer

Also available via Homebrew:


```
$ brew tap heroku/brew && brew install heroku
```

 **Windows**

Download the appropriate installer for your Windows installation:

64-bit installer

32-bit installer

 **Ubuntu 16+**

Run the following from your terminal:

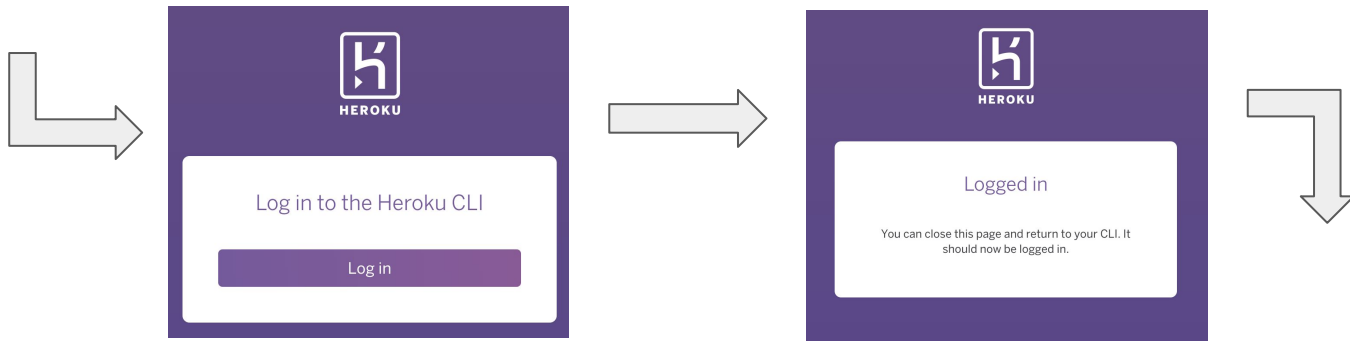
```
$ sudo snap install --classic heroku
```

[Snap is available on other Linux OS's as well.](#)

Git으로 Heroku에 BApp 배포

- Heroku CLI 설치 후 Ballo BApp 디렉토리 위치에서 heroku login 실행

```
w3kimui-MacBook-Pro% heroku login  
heroku: Press any key to open up the browser to login or q to exit: █
```



```
w3kimui-MacBook-Pro% heroku login  
heroku: Press any key to open up the browser to login or q to exit:  
Opening browser to https://cli-auth.heroku.com/auth/browser/b2f5a02b-83fc-49c8-a  
Logging in... done  
Logged in as w3kimeric@gmail.com
```

Git으로 Heroku에 BApp 배포

- Ballot BApp 설정에 Heroku 저장소 추가

```
w3kimui-MacBook-Pro% heroku git:remote -a your-bapp-name  
set git remote heroku to https://git.heroku.com/your-bapp-name.git
```

- 다음 명령어를 사용하여 Git으로 배포 시작

```
w3kimui-MacBook-Pro% git push heroku master  
Enumerating objects: 35, done.  
Counting objects: 100% (35/35), done.  
Delta compression using up to 8 threads  
Compressing objects: 100% (33/33), done.  
Writing objects: 100% (35/35), 190.84 KiB | 7.95 MiB/s, done.  
Total 35 (delta 5), reused 0 (delta 0)  
remote: Compressing source files... done.  
remote: Building source:  
remote:  
remote: -----> Node.js app detected  
remote:
```

Git으로 Heroku에 BApp 배포

- 다음과 같은 결과물이 보이면 배포 완료

```
remote: -----> Build succeeded!
remote: -----> Discovering process types
remote:      Procfile declares types      -> (none)
remote:      Default types for buildpack -> web
remote:
remote: -----> Compressing...
remote:      Done: 57.1M
remote: -----> Launching...
remote:      Released v3
remote:      https://your-bapp-name.herokuapp.com/ deployed to Heroku
remote:
remote: Verifying deploy... done.
To https://git.heroku.com/your-bapp-name.git
* [new branch]      master -> master
```

끝