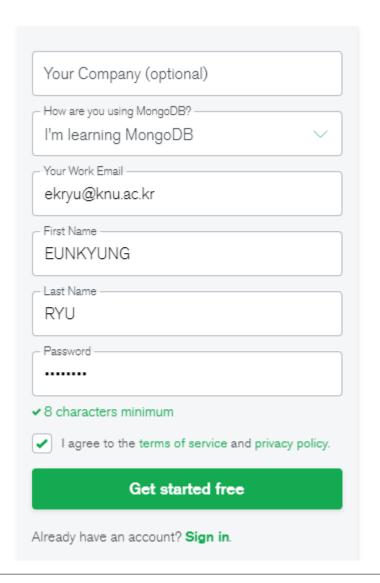
Deploying Web Apps

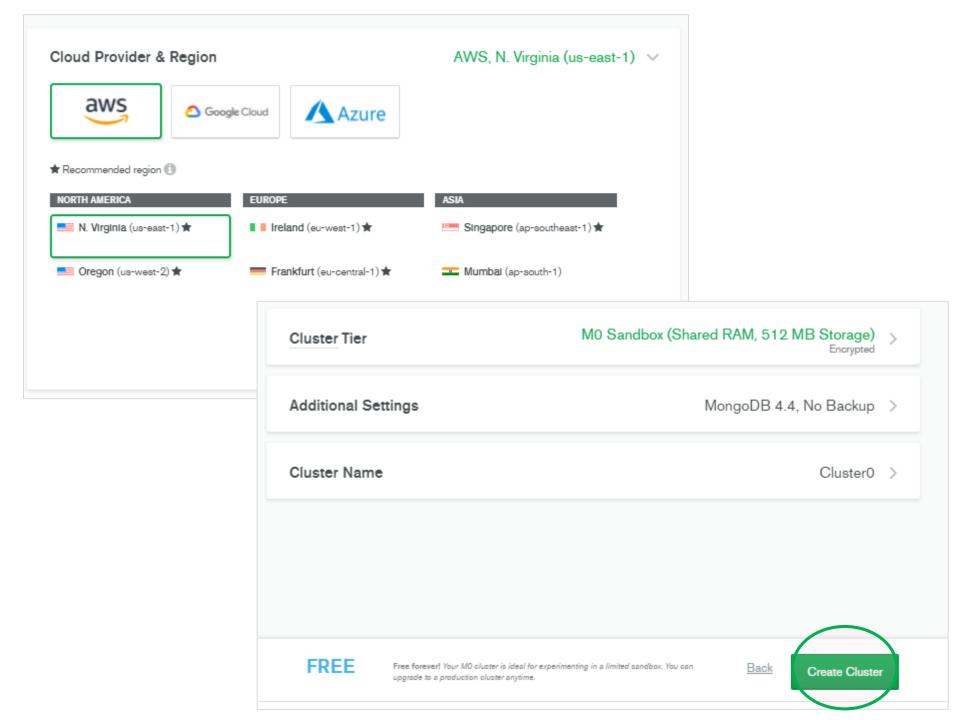
- USING MONGODB ATLAS
- Deploying Web Apps on Heroku

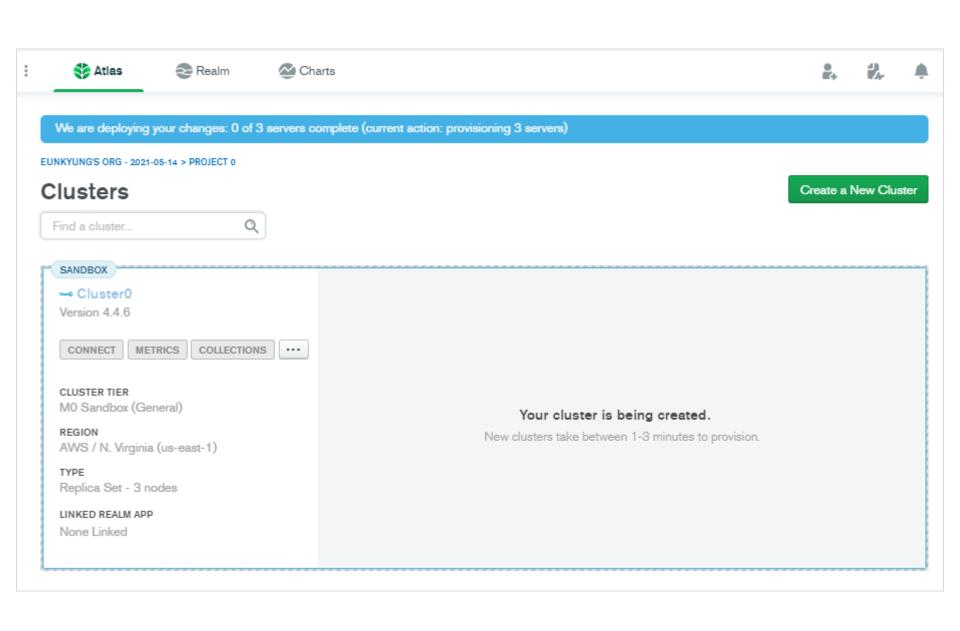
Setting Up MongoDB Atlas

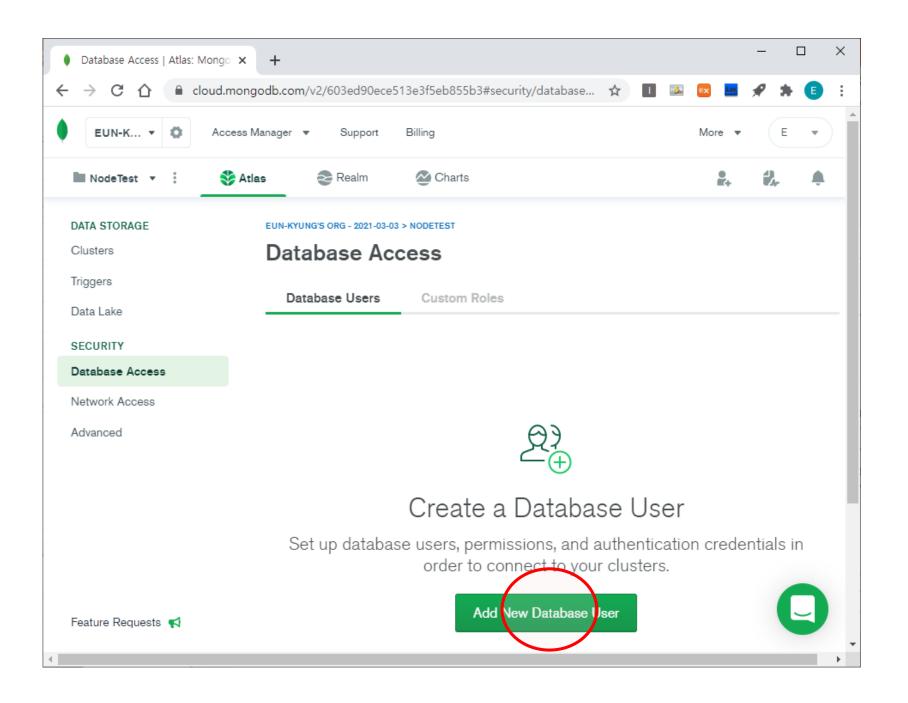
Sign up for a MongoDB Atlas account :

https://www.mongodb.com/try

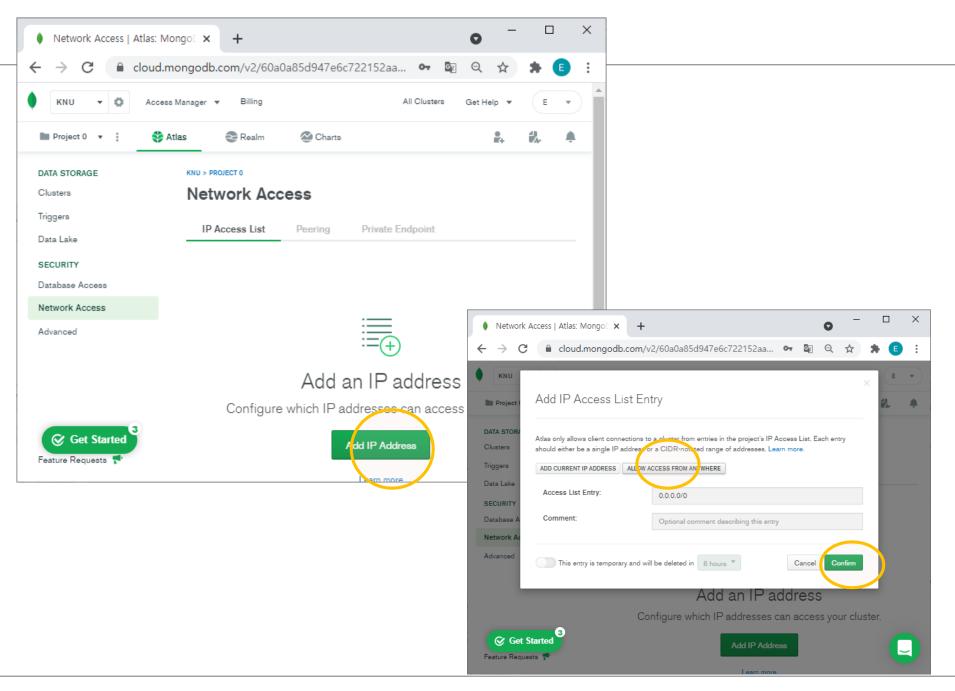


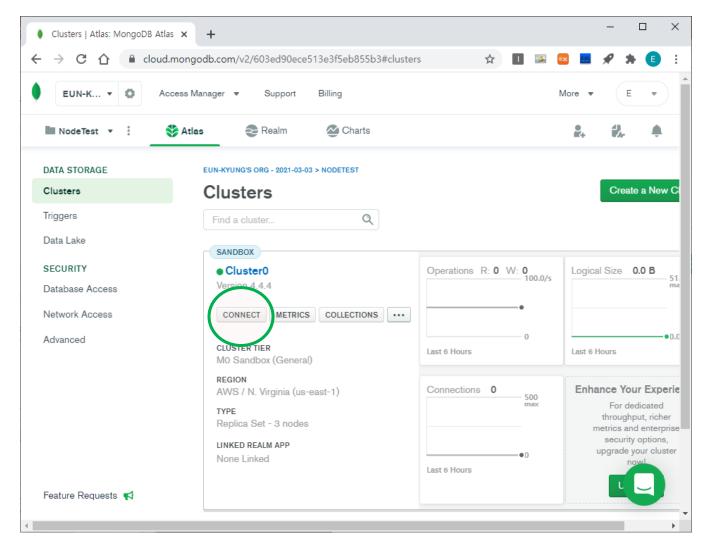


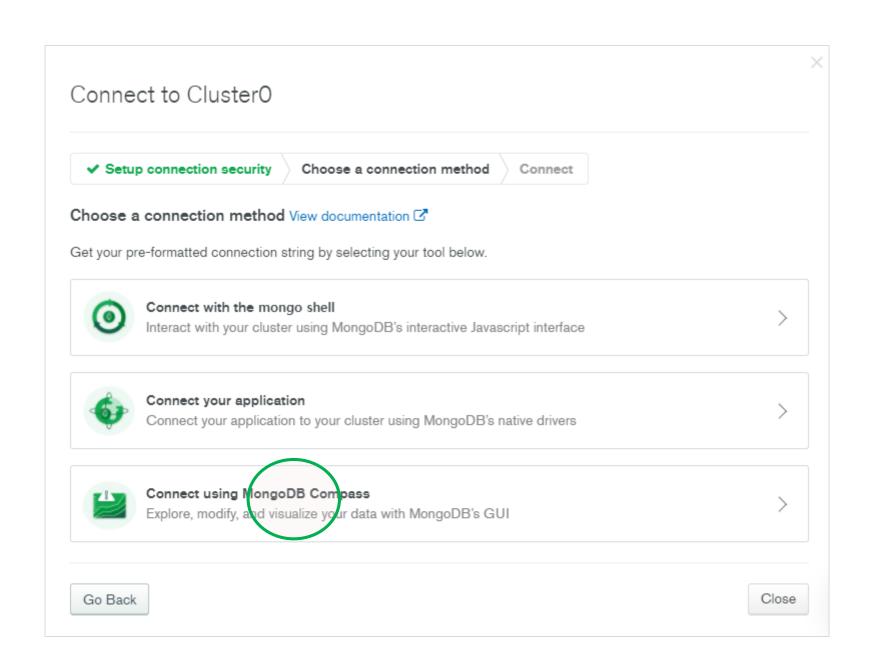


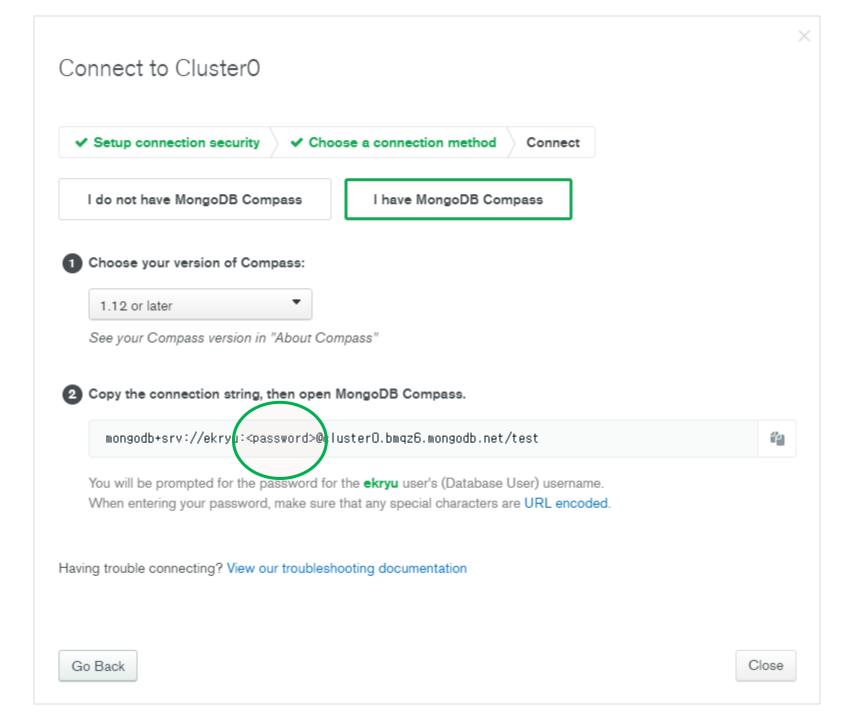


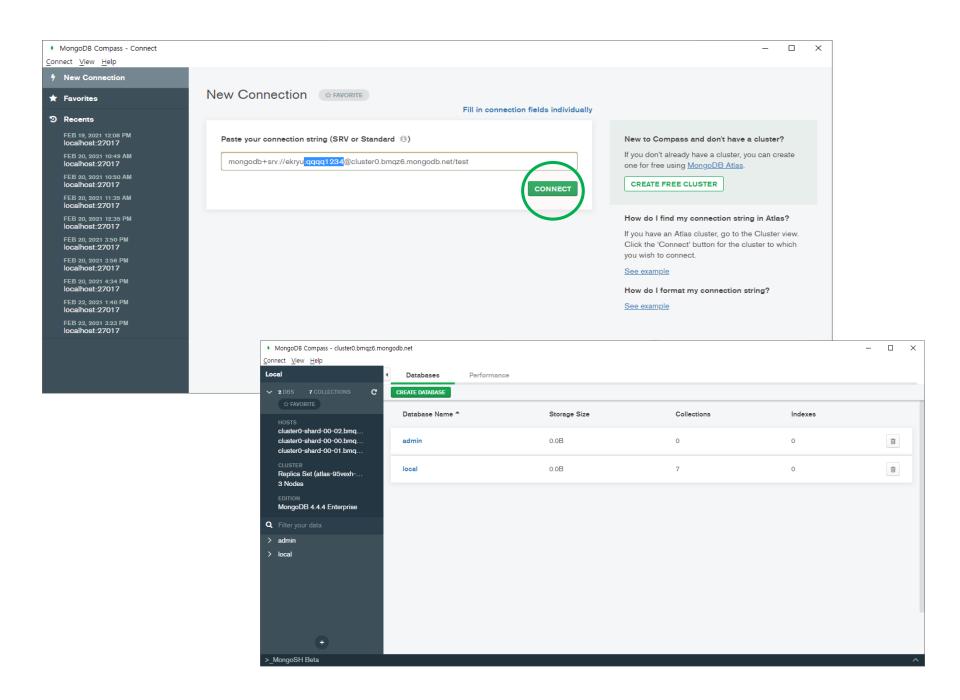
Create a database user to grant an application or user, access to databases and collections in your clusters in this Atlas project. Granular access control can be configured with default privileges or custom roles. You can grant access to an Atlas project or organization using the corresponding Access Manager 🗹 Authentication Method AWS IAM Password Certificate (MongoDB 4.4 and MongoDB uses SCRAM as its default authentication method. Password Authentication ekryu SHOW Autogenerate Secure Password Copy Copy Database User Privileges Select a built-in role or privileges for this user. Read and write to any database Restrict Access to Specific Clusters/Data Lakes Enable to specify the resources this user can access. By default, all OFF resources in this project are accessible. Temporary User This user is temporary and will be deleted after your specified OFF duration of 6 hours, 1 day, or 1 week. Add User Cancel







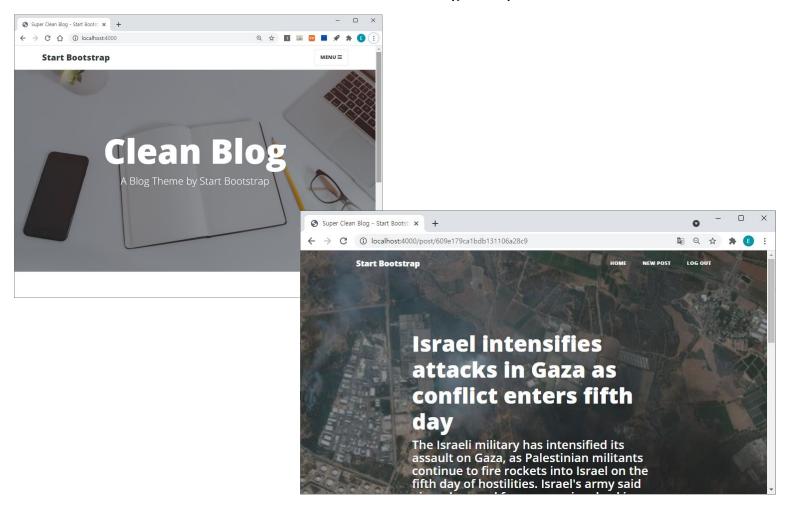


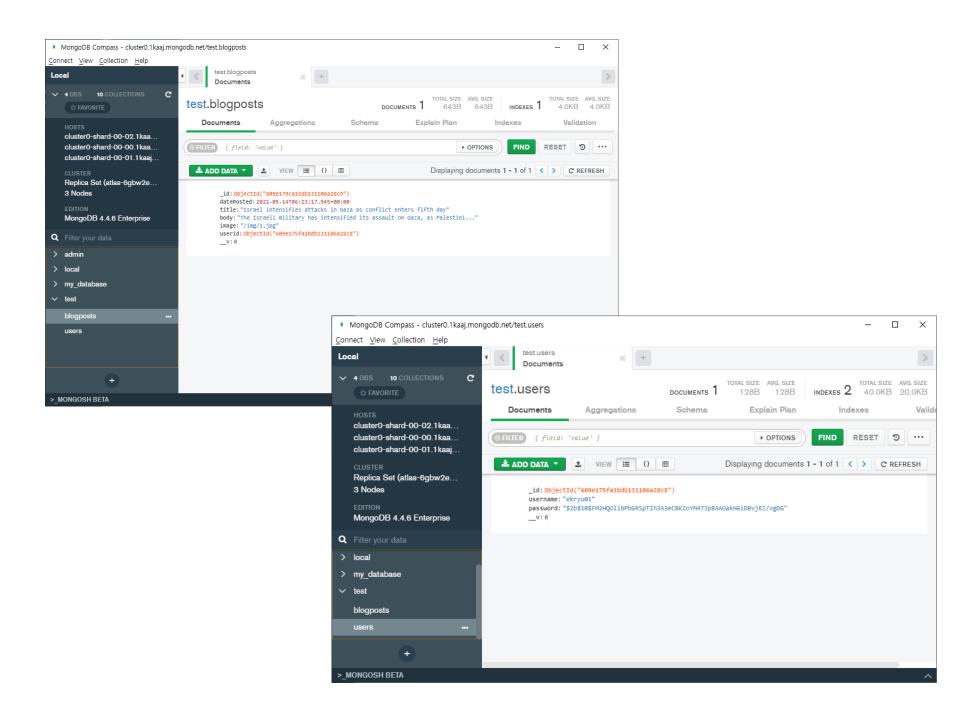


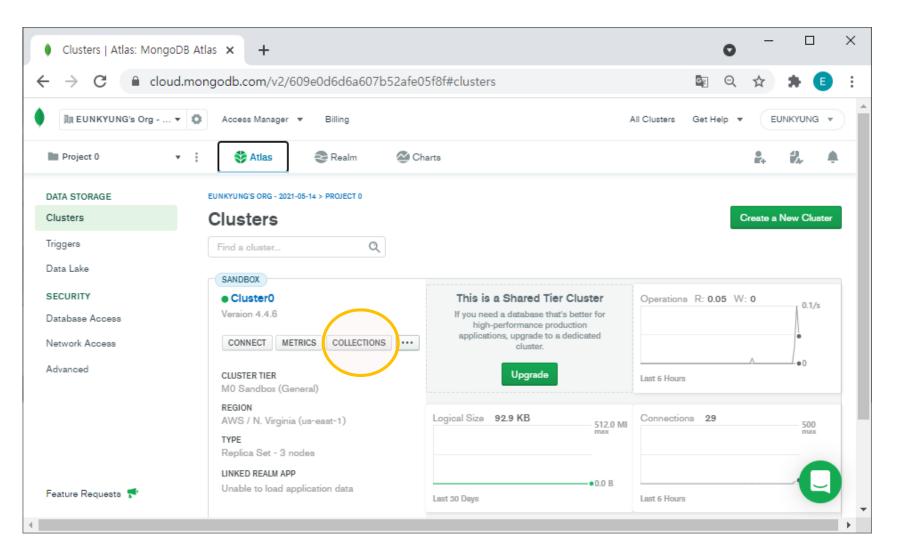
◆ 클라우드 DB 서버 사용 (Index.js)

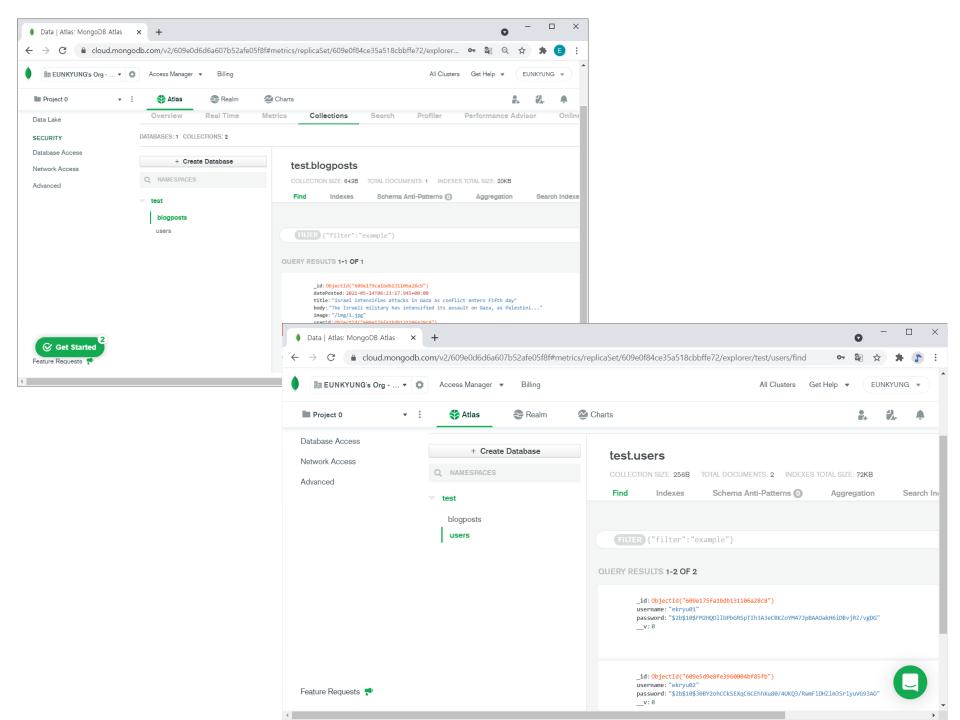
◆ 서버 실행

• DB에 데이터 등록: 사용자, 데이터(post)



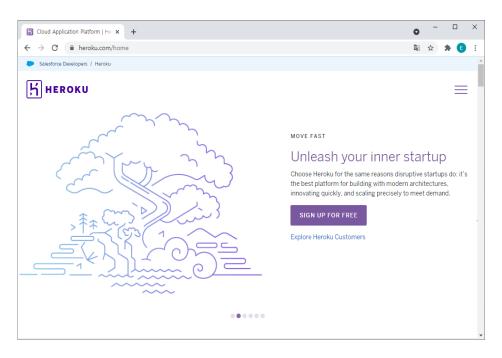






Deploying Web Apps on Heroku

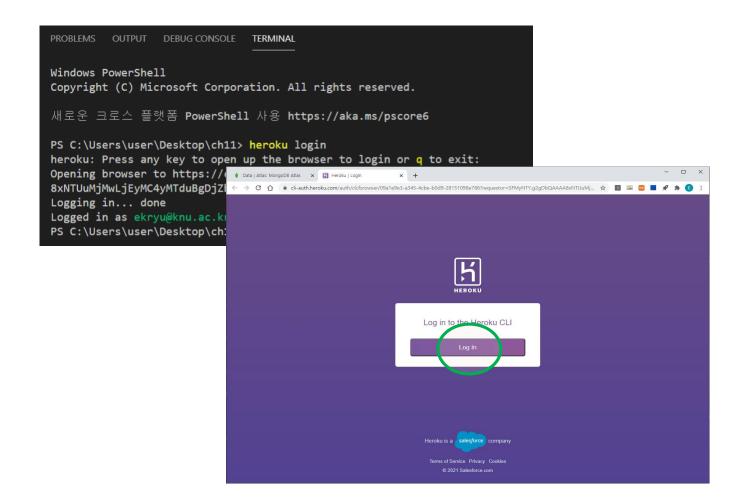
Sign up for a Heroku account



- 2. Install the Heroku CLI:
 - > npm install -g heroku



+ > heroku login command 나 git bash 인지 확인



Making our App 'Heroku Ready'

- Adding a Procfile
- Adding our Node.js version to Package.json
- Listening on the correct port
- Specify the .gitignore file

- In our app directory, create a file named Profile
 - Copy the below line into:
 web: node app.js (web: node index.js)
 - This file will be run when Heroku starts our app

Package.json

```
"license": "MIT",

"engines": {
    "node": "10.15.3"
    },

"author": "Start Bootstrap",

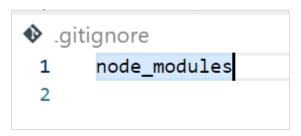
"contributors": [
    "David Miller (http://davidmiller.io/)"
],
...
```

Listening on the Connect Port

Heroku sets up an environment variable process.env.PORT for the port

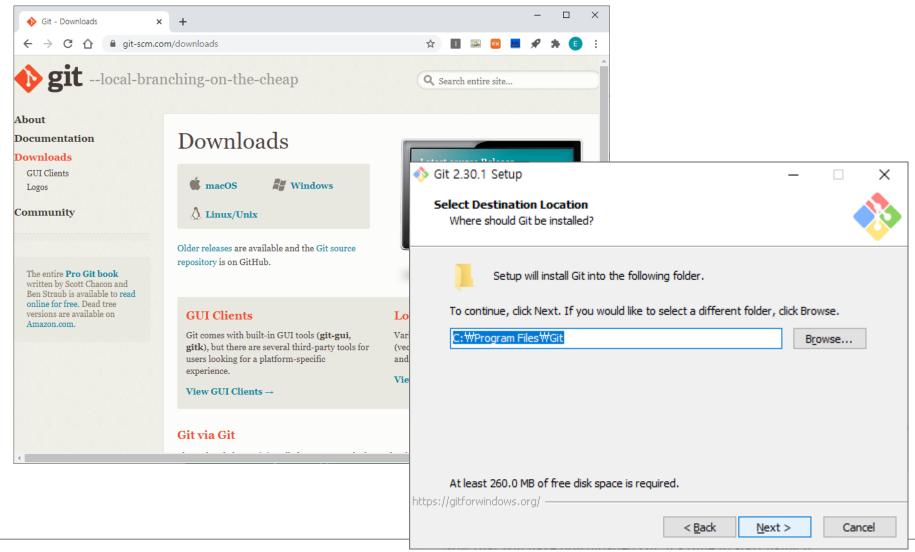
```
let port = process.env.PORT;
if (port == null || port == "") {
  port = 4000;
}
app.listen(port, ()=>{
  console.log('App listening...')
})
```

- Create a file .gitignore in our app directory.
 - This file tells Git to ignore whatever is specified in it from being pushed onto the server



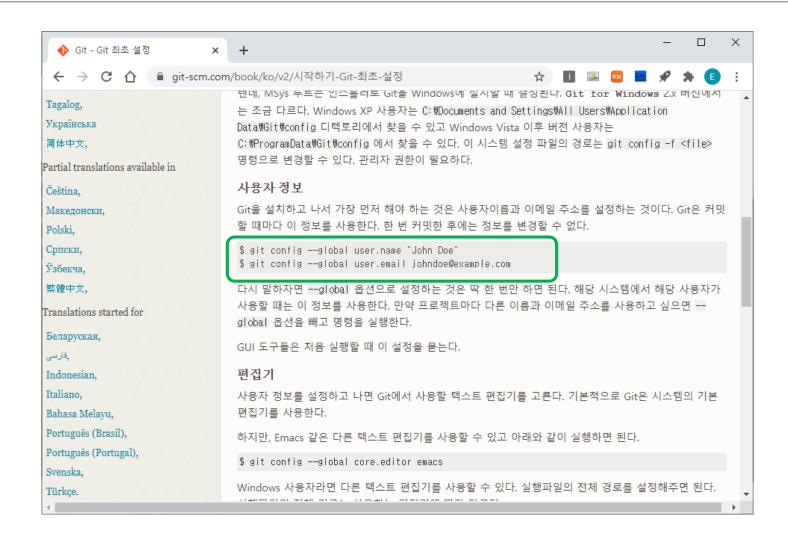
Deployment

Install git



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\user\Desktop\ch11> git --version
git version 2.30.1.windows.1
PS C:\Users\user\Desktop\ch11>
```



- > git init
- > git add .
- > git commit -m "Initial commit"

```
$ git init
Initialized empty Git repository in .git/
$ git add .
$ git commit -m "My first commit"
Created initial commit 5df2d09: My first commit
44 files changed, 8393 insertions(+), 0 deletions(-)
create mode 100644 README
create mode 100644 Procfile
create mode 100644 app/controllers/source_file
...
```

> heroku create

This creates a new empty application on Heroku an associated empty Git repository

```
PS D:\2021.1 고급웹프\source\NodeJS 응용 III\11_Sessions> heroku create
Creating app... done, ● arcane-bastion-00123
https://arcane-bastion-00123.herokuapp.com/ | https://git.heroku.com/arcane-bastion-00123.git
PS D:\2021.1 고급웹프\source\NodeJS 응용 III\11_Sessions> ■
```

> git push heroku master

This will push our code to the remote Git repository

```
PS D:\2021.1 고급웹프\source\NodeJS 응용 III\11_Sessions> git push heroku master Enumerating objects: 139, done.
Counting objects: 100% (139/139), done.
Delta compression using up to 12 threads
Compressing objects: 100% (136/136), done.
Writing objects: 100% (139/139), 8.41 MiB | 638.00 KiB/s, done.
Total 139 (delta 16), reused 0 (delta 0), pack-reused 0
remote: Compressing source files... done.
```

```
remote: -----> Launching...
remote: Released v3
remote: https://arcane-bastion-00123.herokuapp.com/ deployed to Heroku remote:
remote: Verifying deploy... done.
To https://git.heroku.com/arcane-bastion-00123.git
* [new branch] master -> master
PS D:\2021.1 고급웹프\source\NodeJS 응용 III\11 Sessions>
```

