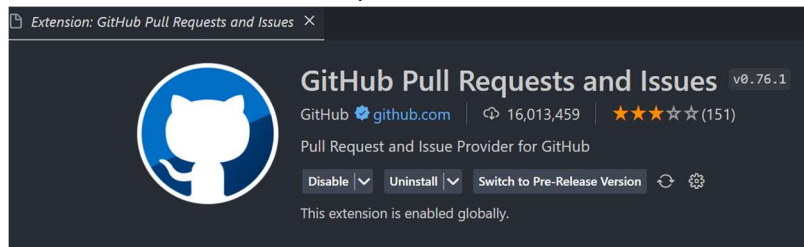


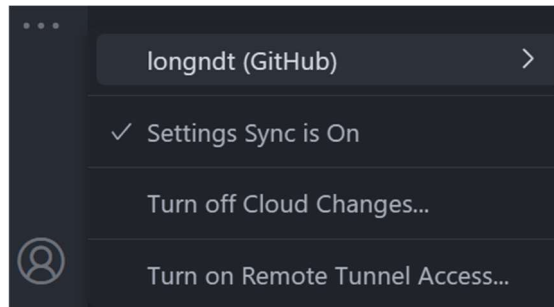
Deploy ExpressJS web app to Render cloud

➤ Preparation:

- Install extension “GitHub Pull Requests and Issues” on VS Code



- Log in with GitHub account on VS Code



➤ Deployment:

- Create new repository on GitHub

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

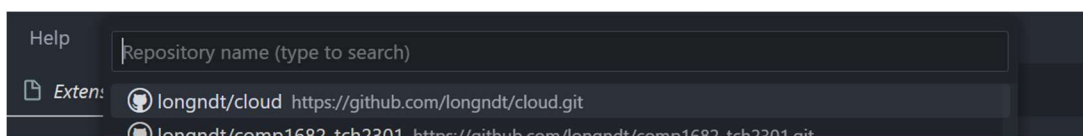
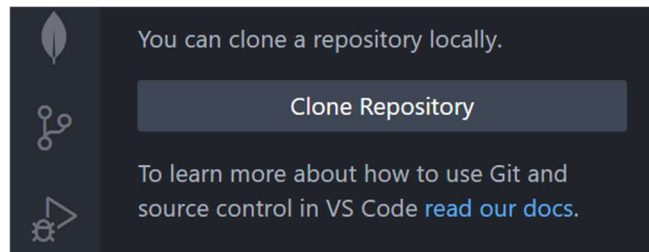
Required fields are marked with an asterisk (*).

Owner * Repository name *

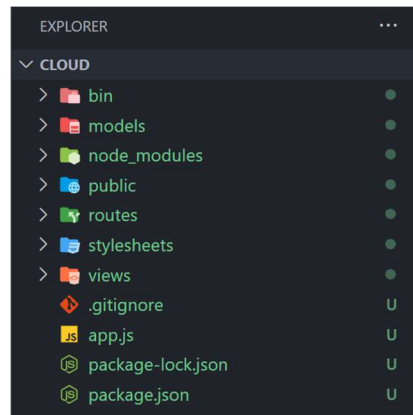
 longndt / cloud

cloud is available.

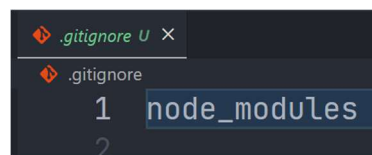
- Clone repository to PC with VS Code: Click “Clone Repository” and select the created repository



- Prepare codes to add to the local repository (folder)
 - *Case 1:* Code is already available => Copy code to here
 - *Case 2:* Code is not available yet => Start writing code



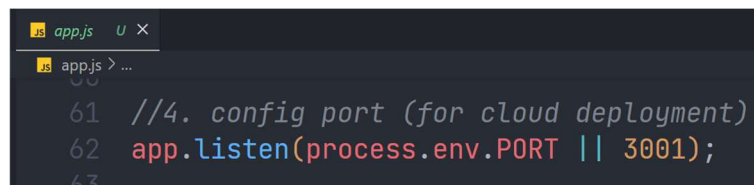
- Note 1: Add file **.gitignore** to exclude **"node_modules"** folder



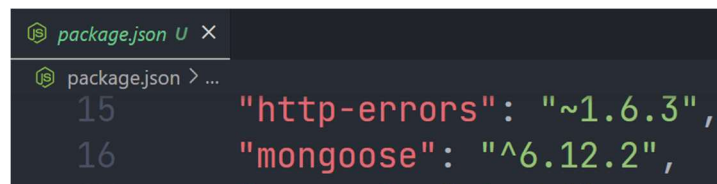
- Note 2: Make sure that the db connection string (uri) is from Mongo Atlas (cloud) instead of MongoDB server (local)



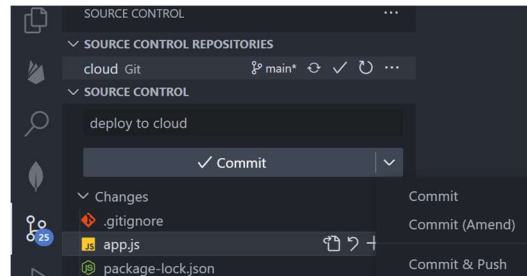
- Note 3: Config port for cloud deployment in file **app.js**



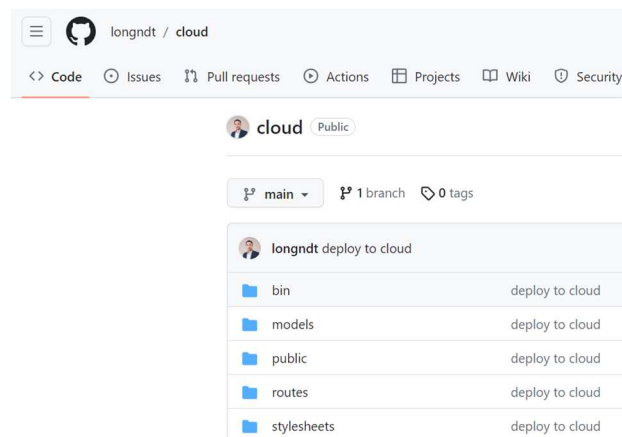
- Note 4: Set proper mongoose version (5.x or 6.x) in file **package.json**.
Ignore this if you already installed proper version in project setup



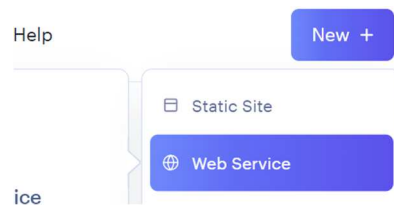
- Push code to GitHub repository with Source Control (*CTRL + Shift + G*)
 - Insert a commit message
 - Select **“Commit & Push”**



- Check for the existence of code on GitHub



- Create new Web Service on Render



- Select option **“Build and deploy from a Git repository”**

How would you like to deploy your web service?

☒
Build and deploy from a Git repository
 Connect a GitHub or GitLab repository.

☐
Deploy an existing image from a registry ADVANCED
 Pull a public image from any registry or a private image from Docker Hub, GitHub, or GitLab.

Next

- Connect to the previous GitHub repository

Connect a repository

 longndt / cloud • 10 minutes ago

Connect

- Enter a unique name (any name, no duplicate) for that web service.
This name will become a part of website's domain name

Name

A unique name for your web service.

- Enter start command: **node app**

Start Command

This command runs in the root directory of your app and is responsible for starting its processes. It is typically used to start a webserver for your app. It can access environment variables defined by you in Render.

- Click **“Create Web Service”** to finish website deployment
- Wait for deployment to be successful (*may take few minutes*)

 Free instance types will spin down with inactivity. [Upgrade to a paid instance type](#) to prevent this behavior. [Learn more.](#)

December 2, 2023 at 7:59 AM *** Building

a852055 deploy to cloud

Cancel deploy

- Website is **live** => Done

December 2, 2023 at 7:59 AM

Live

a852055 deploy to cloud

 WEB SERVICE

cloud

Node

Free

 longndt / cloud  main

<https://cloud-emeb.onrender.com>