

Angular + Deployment

Angular Deployment: Persiapan

Untuk deployment, akan menggunakan **Heroku** yang akan diintegrasikan dengan repo **Github**.

Adapun yang perlu dipersiapkan:

1. Repository Github yang berisi Aplikasi Angular (github.com)
2. Akun Heroku (heroku.com)



Angular Deployment

Heroku menggunakan server express untuk menjalankannya. Maka dari itu, perlu menginstall express dalam aplikasi Angular:

```
npm i express --save
```

Ganti package.json scripts **start** dan **build**

```
"scripts": {  
  "ng": "ng",  
  "start": "node server.js",  
  "build": "ng build --prod",  
  "watch": "ng build --watch --configuration development",  
  "test": "ng test",  
  "testUser": "ng test -- --include src/app/shared/user.service.spec.ts"  
},
```

Angular Deployment

Buat 1 file bernama server.js, dan isi kode disamping. Pastikan path sama dengan nama di package.json

```
JS server.js M ×
angular-auth > JS server.js > ...
1 function requireHTTPS(req, res, next) {
2   // The 'x-forwarded-proto' check is for Heroku
3   if (!req.secure && req.get('x-forwarded-proto') !== 'https') {
4     return res.redirect('https://' + req.get('host') + req.url);
5   }
6   next();
7 }
8
9 const express = require('express');
10 const app = express();
11
12 app.use(requireHTTPS); // Komen line ini apabila dicoba di local server
13 app.use(express.static('./dist/angular-auth'));
14
15 app.get('/*', (req, res) =>
16   res.sendFile('index.html', {root: 'dist/angular-auth/'}),
17 );
18
19 const port = process.env.PORT || 8080
20 app.listen(port, () => {
21   console.log(`Example app listening at http://localhost:${port}`)
22 })
23
```

```
package.json ×
angular-auth > package.json > {} d
1 {
2   "name": "angular-auth",
```



Angular Deployment: Local Server

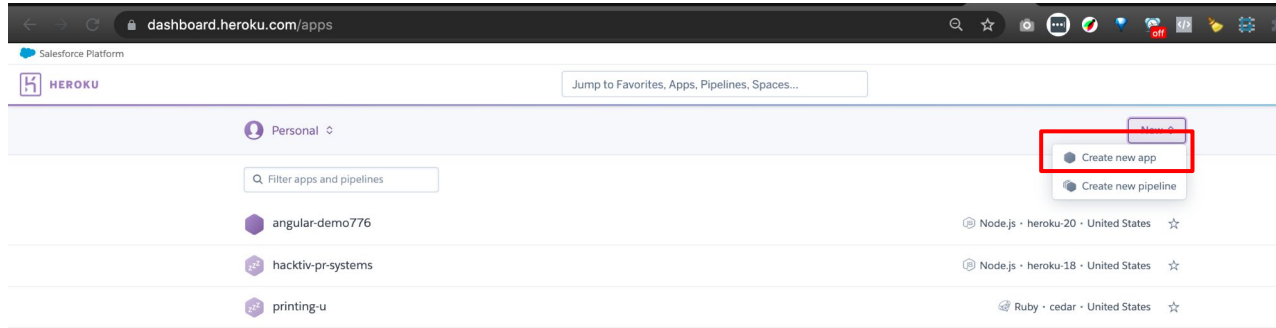
Nyalakan server di local, untuk mengecek code server berjalan dengan baik dengan menjalankan:

```
> node server.js
```

Silakan buka localhost:8080 di browser, dan lihat apakah aplikasi angular berjalan dengan baik. Apabila berhasil, maka kita lanjut konfigurasi heroku.

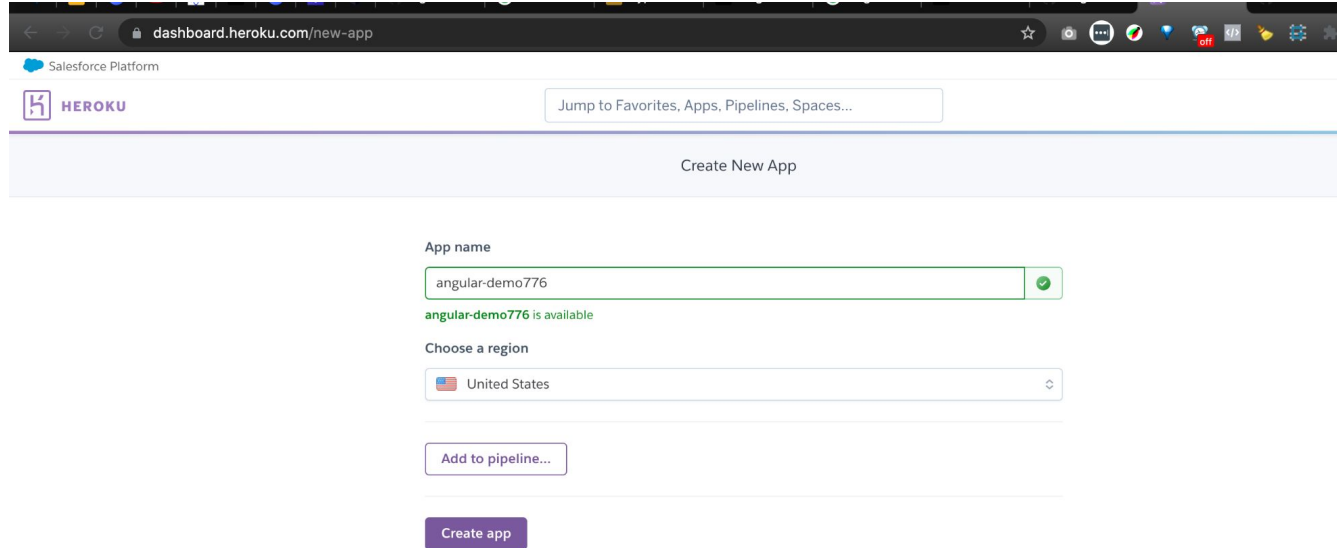
** Jangan lupa nonaktifkan line `app.use(requireHTTPS);` apabila ingin mencoba di local server.

Angular Deployment: Create new app



Login ke **heroku.com**, kemudian masuk ke `dashboard.heroku.com/apps` dan pilih **create new app**

Angular Deployment: Create new app



dashboard.heroku.com/new-app

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Create New App

App name

angular-demo776

angular-demo776 is available

Choose a region

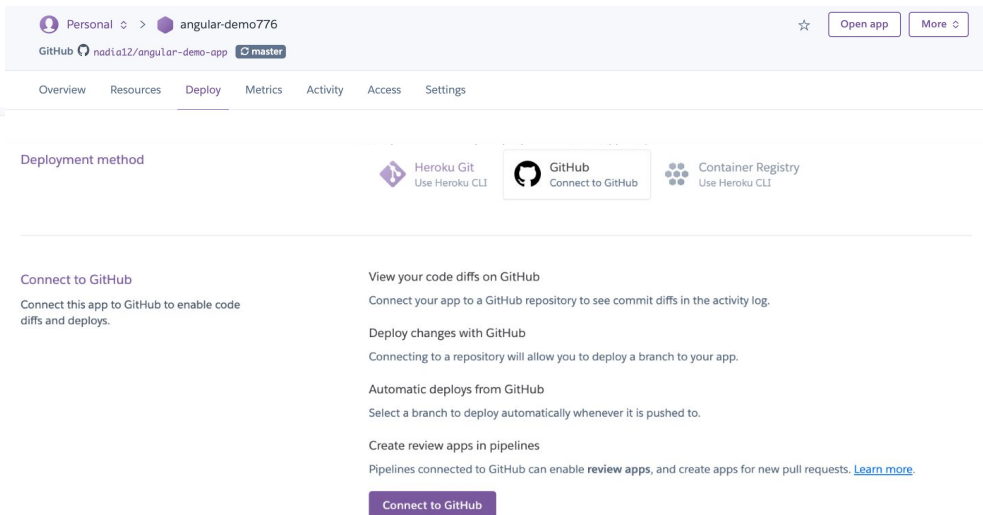
United States

Add to pipeline...

Create app

Masukkan app name, pilih region
dan klik **Create app**

Angular Deployment: Autorisasi Github



Personal > angular-demo776

GitHub nadi12/angular-demo-app master

Overview Resources **Deploy** Metrics Activity Access Settings

Deployment method

Heroku Git Use Heroku CLI

GitHub Connect to GitHub

Container Registry Use Heroku CLI

Connect to GitHub

Connect this app to GitHub to enable code diffs and deploys.

View your code diffs on GitHub

Connect your app to a GitHub repository to see commit diffs in the activity log.

Deploy changes with GitHub

Connecting to a repository will allow you to deploy a branch to your app.

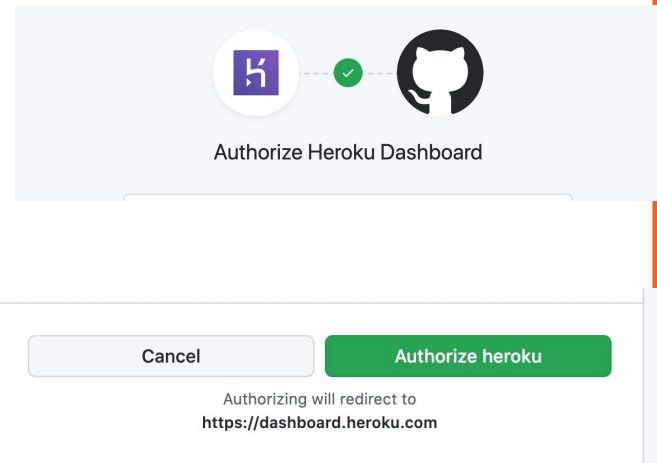
Automatic deploys from GitHub

Select a branch to deploy automatically whenever it is pushed to.

Create review apps in pipelines

Pipelines connected to GitHub can enable **review apps**, and create apps for new pull requests. [Learn more](#)

Connect to GitHub



Authorize Heroku Dashboard

Cancel Authorize heroku

Authorizing will redirect to <https://dashboard.heroku.com>

Pilih tab Deploy, Gunakan integrasi ke Github.

Pilih Connect to Github dan akan muncul window baru untuk autorisasi. Dibagian bawah klik tombol **Authorize heroku**

Angular Deployment: Connect to Repository

Connect to GitHub

Connect this app to GitHub to enable code diffs and deploys.

Search for a repository to connect to

 nadia12

angular-demo-app

Search

Missing a GitHub organization? [Ensure Heroku Dashboard has team access.](#)

 nadia12/angular-demo-app

Connect

Setelah itu, koneksikan dengan salah satu repository github yang ingin di deploy.
ketikkan nama repository dan klik **Connect**

Angular Deployment: Automatic Deploy

Automatic deploys

Enables a chosen branch to be automatically deployed to this app.



You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

Enable automatic deploys from GitHub

Every push to the branch you specify here will deploy a new version of this app. **Deploys happen automatically**; be sure that this branch is always in a deployable state and any tests have passed before you push. [Learn more](#).

Choose a branch to deploy

 master

☐ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.

Enable Automatic Deploys

Heroku menyediakan pilihan automatic deploy, yang berarti heroku akan mendeploy otomatis bila mendeteksi push terbaru di github. apabila ingin mengaktifkannya:

1. Pilih branch yang ingin di deploy
2. Klik **enable automatic deploys**,



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Angular Deployment: Manual Deploy

Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)

Choose a branch to deploy

 master

Deploy Branch

Receive code from GitHub



Build **master** 89d719a3

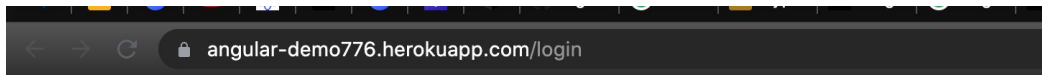


```
- Generating browser application bundles (phase: setup)...  
Compiling @angular/core : es2015 as esm2015  
Compiling @angular/common : es2015 as esm2015  
Compiling @angular/platform-browser : es2015 as esm2015  
Compiling @angular/platform-browser-dynamic : es2015 as esm2015  
Compiling @angular/router : es2015 as esm2015  
Compiling @angular/forms : es2015 as esm2015
```

Bila tidak ingin mengaktifkan automatic deploy, lakukan manual deploy

1. Pilih branch yang ingin di deploy
2. klik **deploy branch**

Angular Deployment: Preview ke url deploy



Please sign in

Email address

Enter email

Email is required. Must input email type

Password

Password

Sign in

Klik tombol Demo App di kanan atas, dan tunggu beberapa menit untuk melihat berhasil tidaknya aplikasi angular ter-deploy