

Puzzle Generator: Technical installation manual

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1 Server setup

1.1 Prerequisites

Ensure that you have the following installed on your system.

- 1. NodeJS version 12.0+
- 2. npm version 4.0+
- 3. Angular CLI via NPM
- 4. PostgreSQL

1.2 Installation on localhost

In order to use the server and load files to be hosted on the website the following needs to be done:

- 1. Open terminal to the directory which you had cloned/ downloaded the source code from the Puzzle-Generator GIT
- 2. Enter the following command to install dependencies: npm install

```
C:\Users\
npm <mark>MARN</mark> deprecated @angular/http@7.2.16: Package no longer supported. Use @angular/common instead, see <u>https://angular.io/</u>
npm <mark>MARN</mark> deprecated core-js@2.6.11: core-js@<3 is no longer maintained and not recommended for usage due to the number of i
```

3. Once the dependencies have been downloaded and installed, a post installation task will automatically be run in order to build the relevant Angular files which reside in the subdirectory /src and output the built application in the directory /dist.

```
Solution of the second second
```

4. If a directory /dist is not created after calling the command npm install, you may use the command npm postinstall which will run the command ng build -output=dist.

- 5. In order for the system to run on your localhost, please indicate the following environment variables in order to connect to your postgres database:
 - dbDatabase = databaseName,
 - **dbpass** = database password,
 - dbUsername = database username,
 - dbHost = database host

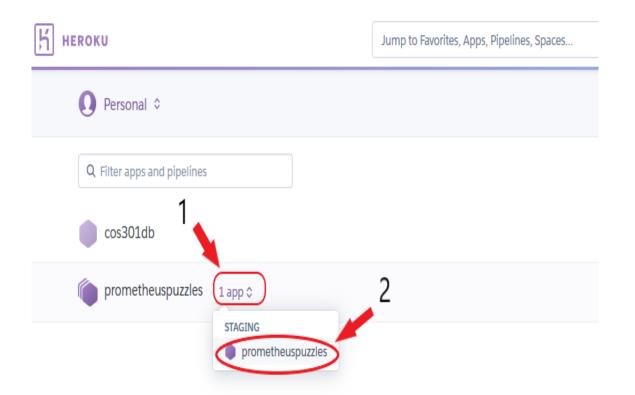


- 6. You are now ready to run the server.
- 7. To run the server enter the following command into your terminal in the root folder of your app: **npm start**.
- 8. You are now ready to access your server at localhost:3200 in your browser.

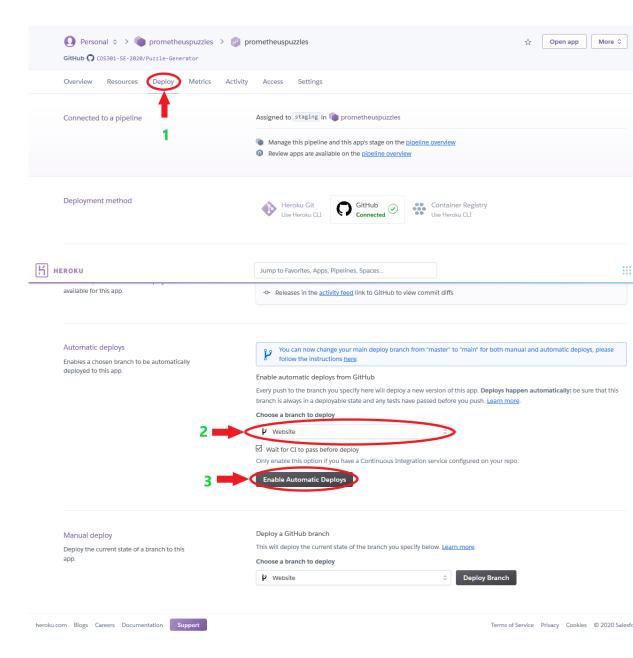
1.3 Deploying to Heroku

In order to deploy to Heroku, the following needs to be done:

• Sign into the Prometheuspuzzles Heroku app, by going to dashboard.heroku.com, and selecting **prometheuspuzzles**



• Select the Deploy tab and select a branch to deploy. After which select "Enable Automatic Deploys" to enable automatic deployment when you push to the selected branch.



1.4 Customizing your server

1.4.1 Changing server's default port

1. If you wish to alter the default server port on localhost, you may do so by modifying the file:/bin/www and locating the variable PORT

1.4.2 Adding your web pages to be deployed

- 1. All additional web pages and subsequent CSS and JavaScript files intended for the use of the user should be placed in /src /src/app
- 2. In order to access the API the following routes are used:
 - /routes/user
 - /routes/puzzles
- 3. By default all links to the API (in the front end Angular files /src/app) will point you to the API hosted on Heroku.