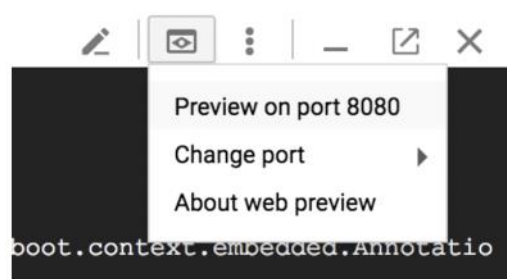


Steps to deploy

Wednesday, 18 May 2022 22:15

1. Upload code in repo and create a token to be able to download the repo in google cloud ->
https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiowlGB7-n3AhVo_7sIHTtIBLMQFnoECAIQAw&url=https%3A%2F%2Fdocs.github.com%2Fen%2Fauthentication%2Fkeeping-your-account-and-data-secure%2Fcreating-a-personal-access-token&usg=AOvVaw2PNdYeQ76WUdRsPyFf0-V4
2. Create a google cloud project
3. Create an my SQL instance - takes around 5 mins to complete:
 - a. Can leave default settings
4. Open google cloud active shell
5. Clone the repo:
 - a. Username - email for git account
 - b. Password - paste generated token
6. Open editor to have a view similar to vs code
7. In the viewer you should see the files that were downloaded from github
8. Deploy the backend -> java
 - a. Things to edit before deploying:
 - i. Pom.xml -> set project id to your project id
 - ii. Application.yaml -> set the db instance-connection-name and password that were set when creating the database instance
 - b. Test the app locally by running the below command in the terminal:
 - i. `./mvnw -DskipTests spring-boot:run`

2. After the app starts, click **Web Preview**  in the Cloud Shell toolbar and select **Preview on port 8080**.



A tab in your browser opens and connects to the server that you started.



When everything is ok, first stop the the program with `^c`, then in the terminal enter the following commads:

- `gcloud app create --region europe-west4`
- `./mvnw -DskipTests package appengine:deploy`
- `gcloud app browse` (to see that the app is running correctly

Reference used: <https://codelabs.developers.google.com/codelabs/cloud-app-engine-springboot#0>

9. Deploy the FE-> Node

Things to edit before deploying:

- a. Set the url in Service.js to the url of the be instance (the one that was outputed in the gcloud app browse)

Testing the app locally:

- a. In terminal run:
 - i. npm l && npm start
 - ii. Open preview - on port 3006 instead of 8080
 - iii. Test the app
- b. Deploying the app
 - i. In terminal run: Npm run build
 - ii. Delete all files and folders except the app.yaml file and build folder
 - iii. In terminal run: gcloud app deploy
 - iv. After that run: gcloud app browse -s front-end (to test the app)

Reference used: [Deploy React App on Google App Engine](#)