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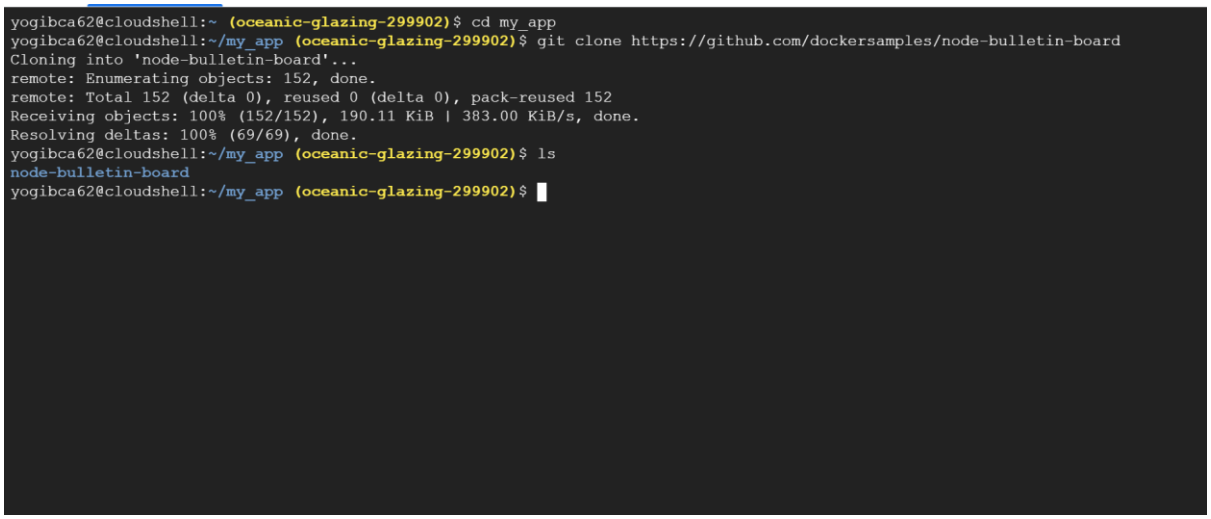
Case Study 7

Module 7: Containers

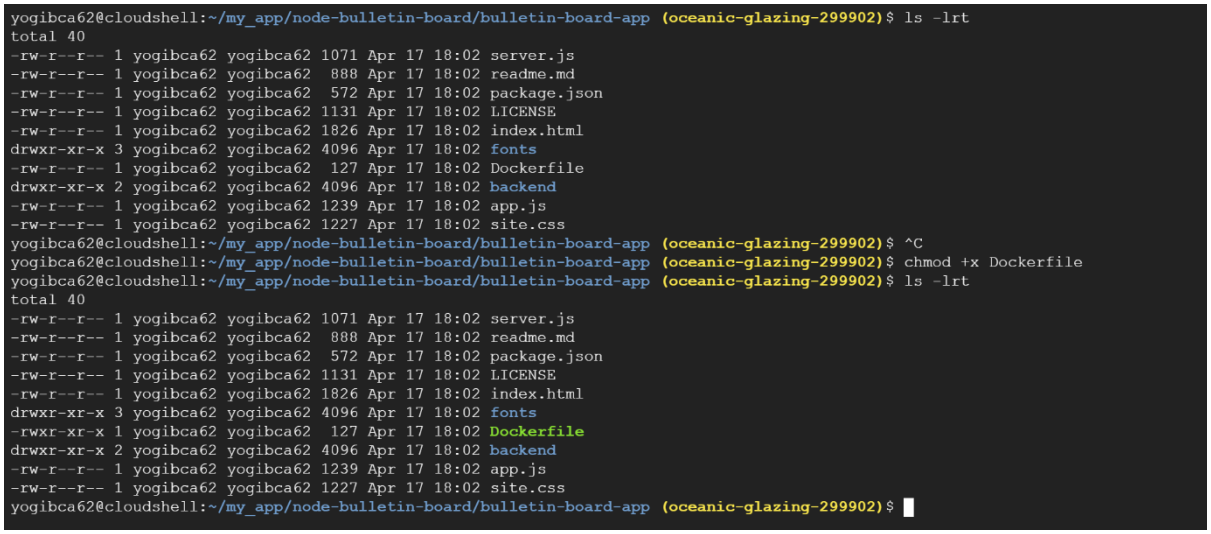
Step 1 Containerization Process

Create a directory in project on the directory clone the GitHub repository



Step 2

Find the docker file and activate the docker file using chmod +x dockerfile



Step 3

Now I have to build the container image

So I build on gcp usa location so I use , gcloud builds submit –tag gcr.io/[my_project_id]/[tag_name]

```
yogibca62@cloudshell:~/my_app/node-bulletin-board/bulletin-board-app (oceanic-glazing-299902)$ ls
app.js  backend  Dockerfile  fonts  index.html  LICENSE  package.json  readme.md  server.js  site.css
yogibca62@cloudshell:~/my_app/node-bulletin-board/bulletin-board-app (oceanic-glazing-299902)$ ls -lrt
yogibca62@cloudshell:~/my_app/node-bulletin-board/bulletin-board-app (oceanic-glazing-299902)$ gcloud builds submit --tag gcr.
io/oceanic-glazing-299902/myapp
Creating temporary tarball archive of 12 file(s) totalling 31.4 KiB before compression.
Some files were not included in the source upload.

Check the gcloud log [/tmp/tmp.nIKBO6LhiM/logs/2021.04.17/18.10.28.829862.log] to see which files and the contents of the
default gcloudignore file used (see `$ gcloud topic gcloudignore` to learn
more).
```

```
ID                                    CREATE_TIME                DURATION  SOURCE
                                                  IMAGES                                              STATUS
c2ca4a26-187d-43a3-82df-11ec1036a64f  2021-04-17T18:10:34+00:00  34S       gs://oceanic-glazing-299902_cloudbuild/source/16186
83033.057738-0a2c6dfbdfa944a49d047d81878c5b49.tgz  gcr.io/oceanic-glazing-299902/myapp (+1 more)  SUCCESS
yogibca62@cloudshell:~/my_app/node-bulletin-board/bulletin-board-app (oceanic-glazing-299902)$
```

Step 4 run and deploy

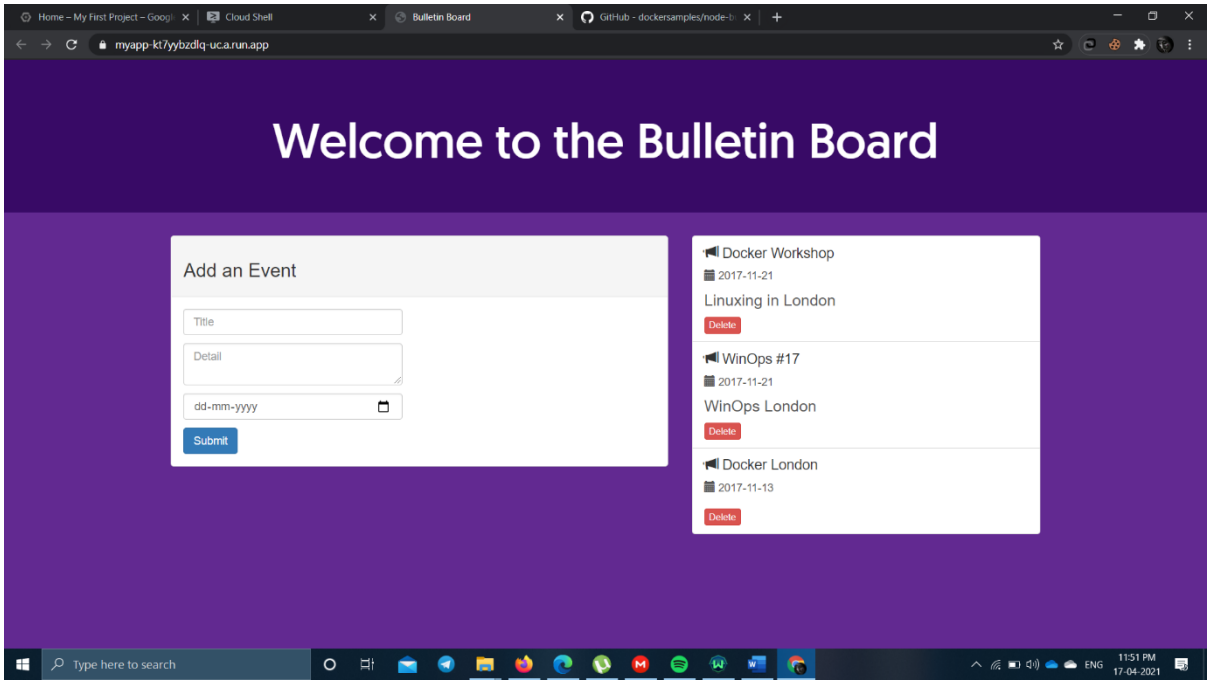
For that I must use cloud run application so I use commend

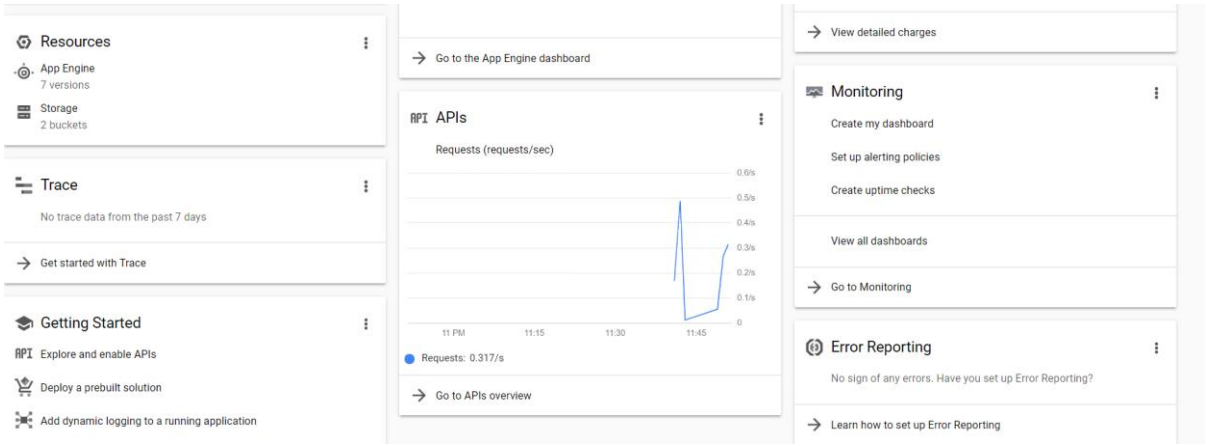
Gcloud run deploy –image gcr.io/[pro.id]/[tag.name]

```
yogibca62@cloudshell:~/my_app/node-bulletin-board/bulletin-board-app (oceanic-glazing-299902)$ gcloud run deploy --image gcr.i
o/oceanic-glazing-299902/myapp
Please choose a target platform:
 [1] Cloud Run (fully managed)
 [2] Cloud Run for Anthos deployed on Google Cloud
 [3] Cloud Run for Anthos deployed on VMware
 [4] cancel
Please enter your numeric choice:  1
```

```
Service [myapp] revision [myapp-00001-sul] has been deployed and is serving 100 percent of traffic.
Service URL: https://myapp-kt7yybzdlq-uc.a.run.app
yogibca62@cloudshell:~/my_app/node-bulletin-board/bulletin-board-app (oceanic-glazing-299902)$
```

Now text the application deployed or not from the link given


Home – My First Project – Google
Cloud Shell
Bulletin Board
GitHub - dockersamples/node-b
myapp-kt7yybzdlq-uc.a.run.app
Welcome to the Bulletin Board
Add an Event
Title
Detail
dd-mm-yyyy
Submit
Docker Workshop
2017-11-21
Linuxing in London
Delete
WinOps #17
2017-11-21
WinOps London
Delete
Docker London
2017-11-13
Delete
Type here to search
ENG
11:51 PM
17-04-2021


Resources
App Engine
7 versions
Storage
2 buckets
Trace
No trace data from the past 7 days
Get started with Trace
Getting Started
Explore and enable APIs
Deploy a prebuilt solution
Add dynamic logging to a running application
Go to the App Engine dashboard
APIs
Requests (requests/sec)
0.6/s
0.5/s
0.4/s
0.3/s
0.2/s
0.1/s
0
11 PM
11:15
11:30
11:45
Requests: 0.317/s
Go to APIs overview
View detailed charges
Monitoring
Create my dashboard
Set up alerting policies
Create uptime checks
View all dashboards
Go to Monitoring
Error Reporting
No sign of any errors. Have you set up Error Reporting?
Learn how to set up Error Reporting