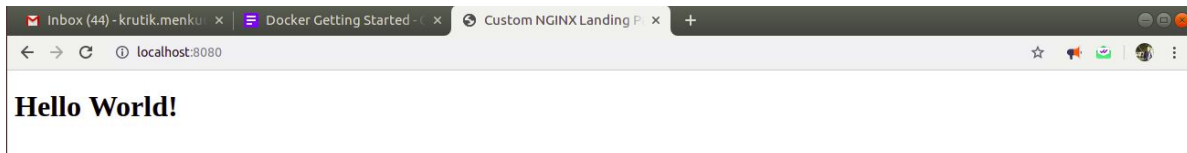
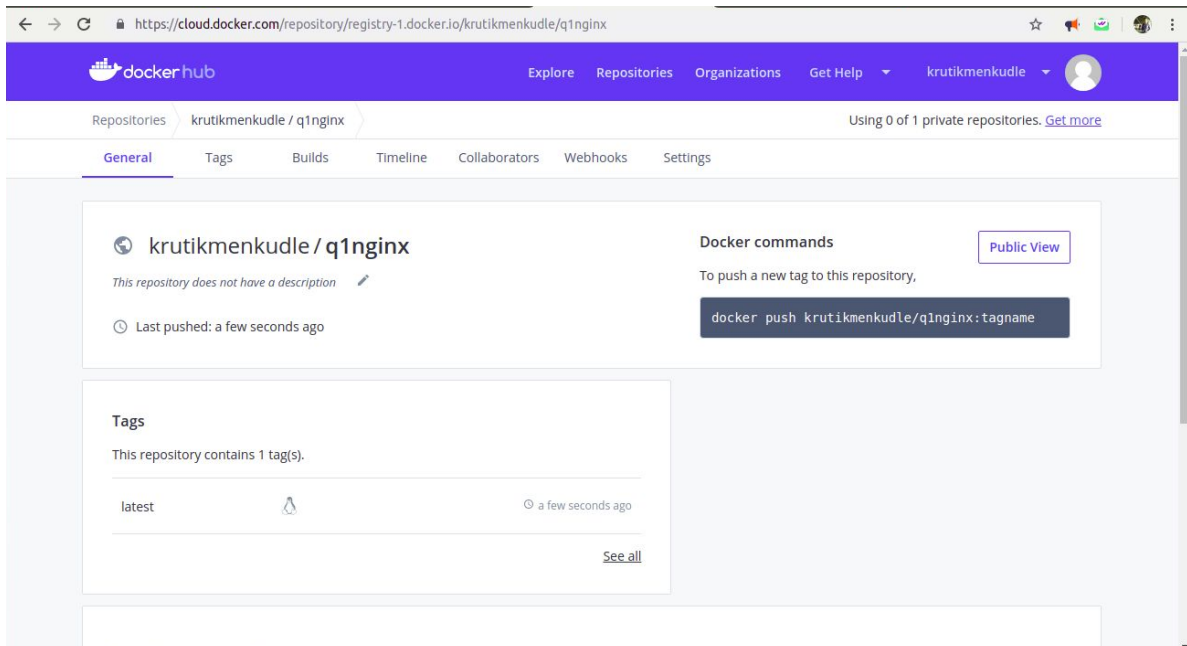


1. Create a Dockerfile to setup Ubuntu OS and then update and install nginx
2. Add the index.html file in the specified location /usr/share/nginx/html/ as changed from the default /var/www/html/
3. Add default to /etc/nginx/sites-available/ to write the changes
4. Expose port 80 for establishing connections
5. Start nginx service
6. Build and run the container on port 8080
7. Now commit and push the container on docker hub and GCR and ECR



Running Code



Pushed to DockerHub

Google Cloud Platform console showing Digest details for image 928d24d374a1. The image is a Docker Manifest, Schema 2, with a virtual size of 69 MB. It was created on July 31, 2019, at 5:47:24 PM UTC+5:30. The container classification shows the digest as sha256:928d24d374a15f175b3a675a15240f5ba99b69e06ceb22fe09a43517aa255207, tags as latest, repository as krutik-menkudle, and project as pe-training.

General Information	
Image type	Docker Manifest, Schema 2
Media type	application/vnd.docker.distribution.manifest.v2+json
Virtual size	69 MB
Created time	July 31, 2019 at 5:47:24 PM UTC+5:30
Uploaded time	July 31, 2019 at 6:44:35 PM UTC+5:30
Build ID	-

Container classification	
Digest	sha256:928d24d374a15f175b3a675a15240f5ba99b69e06ceb22fe09a43517aa255207
Tags	latest
Repository	krutik-menkudle
Project	pe-training

Manifest

Pushed to GCR

```
ubuntu@ip-172-31-35-195:~$ sudo docker images
REPOSITORY                                TAG                IMAGE ID           CREATED           SIZE
krutikmenkudle/qinginx                    latest             4315a9eec9d8      16 hours ago     151MB
ketavbhatt/nginx                          latest             520921205f3e      17 hours ago     151MB
488599217855.dkr.ecr.us-east-1.amazonaws.com/semiljain  latest             e0d0f9458195      21 hours ago     177MB
488599217855.dkr.ecr.us-east-1.amazonaws.com/yr-nginx   latest             e0d0f9458195      21 hours ago     177MB
semiljain/semil-nginx                     latest             e0d0f9458195      21 hours ago     177MB
ubuntu@ip-172-31-35-195:~$ sudo $(aws ecr get-login --no-include-email --region us-east-1)
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
ubuntu@ip-172-31-35-195:~$ docker tag krutikmenkudle/qinginx 488599217855.dkr.ecr.us-east-1.amazonaws.com/krutik:latest
WARNING: Error loading config file: /home/ubuntu/.docker/config.json: stat /home/ubuntu/.docker/config.json: permission denied
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fdocker.sock/v1.40/images/krutikmenkudle/qinginx/tag?repo=488599217855.dkr.ecr.us-east-1.amazonaws.com%2Fkrutik&tag=latest: dial unix /var/run/docker.sock: connect: permission denied
ubuntu@ip-172-31-35-195:~$ sudo docker tag krutikmenkudle/qinginx 488599217855.dkr.ecr.us-east-1.amazonaws.com/krutik:latest
ubuntu@ip-172-31-35-195:~$ sudo docker push 488599217855.dkr.ecr.us-east-1.amazonaws.com/krutik:latest
The push refers to repository [488599217855.dkr.ecr.us-east-1.amazonaws.com/krutik]
dd4982b1076e: Pushed
2ec5fe0918cb: Pushed
abde9af3cddd: Pushed
c16a4ee7c4c7: Pushed
e4899a14f25f: Pushed
b079b3fa8d1b: Pushed
a31dbd3063d7: Pushed
c56e09e1bd18: Pushed
543791078bdb: Pushed
latest: digest: sha256:928d24d374a15f175b3a675a15240f5ba99b69e06ceb22fe09a43517aa255207 size: 2193
ubuntu@ip-172-31-35-195:~$
```

Pushed to ECR