



**CLOUD TRAIN**  
ACCELERATE YOUR GROWTH

# Docker Lab

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Accelerate Your Career Growth

Follow the steps to complete your  
hands-on Docker lab exercises

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# Exercise 1

## Tasks

1. Install docker on an Ubuntu GCP instance
2. Use docker pull to download docker images on this server
3. Use docker run to run nginx container using this image.  
Use below parameters for the container
  - a. Name: 'mynginx'
  - b. Host port: 80
  - c. Container port: 80
  - d. Should run in detach mode



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# Exercise 1

## Tasks

4. Login to mynginx container and check the nginx process running or not. Ideally it should be running

5. Check if nginx is accessible on `http://<Server_Public_IP>:80` and you see below page:

## Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*



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# Exercise 2

## Tasks

1. Create a Dockerfile to package below:

- a. Use ubuntu docker image
- b. Install apache2 inside it
- c. Mount any local html file from host to  
/var/www/html path of container
- d. Uses below command as entrypoint:  
`ENTRYPOINT apachectl -D  
FOREGROUND`

2. Create a sample html file with some content in the same directory as dockerfile



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## Exercise 2

3. Once above Dockerfile is ready, perform below tasks:

- a. Build the dockerfile with name ubuntu\_apache
- b. Spawn a new container using below params:
  - i. Name: 'myapache'
  - ii. Host port: 81
  - iii. Container port: 80
  - iv. Should run in detach mode
- c. Check if apache is accessible on `http://<Server_Public_IP>:81` and you see the content of html file you created in step 'b'.

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We can help you accelerate your career growth to move ahead faster and achieve your professional goals quicker.

Whether

- You're already having years of experience in the industry OR
- You're coming from a different industry & want to switch job profile OR
- You're just getting started.

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or need  
more  
info?**



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