

AWS Solutions Architect Certification Training

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DevOps-Module-03 Docker-I-Assignment-5 COMPLETED by Nagesha KS

Please check the following screenshots for each question.

Tasks To Be Performed:

1. Create a sample HTML file
2. Use the Dockerfile from the previous task
3. Replace this sample HTML file inside the Docker container with the default page

EC2 Instance Connect | us-east-2

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0f490663995fb1a56&osUser=ubuntu®ion=us-east-2&sshPort=22#/

aws Services Search [Alt+S]

Ohio Nagesha KS

```
ubuntu@ip-172-31-30-50:~$ sudo nano index.html
ubuntu@ip-172-31-30-50:~$ cat index.html
<html>
<head>
<title>intellipaas</title>
</head>
<body>
<h1 aligncenter> HELLO WORLD !! </h1>
</body>
</html>
ubuntu@ip-172-31-30-50:~$ ls
Dockerfile  index.html
ubuntu@ip-172-31-30-50:~$ sudo nano Dockerfile
ubuntu@ip-172-31-30-50:~$ cat Dockerfile
FROM ubuntu
RUN apt update
RUN apt-get install apache2 -y
COPY index.html /var/www/html/
ENTRYPOINT apache2ctl -D FOREGROUND
ubuntu@ip-172-31-30-50:~$ ls -l
total 8
-rw-r--r-- 1 root root 124 Sep  3 06:47 Dockerfile
-rw-r--r-- 1 root root 111 Sep  3 06:39 index.html
ubuntu@ip-172-31-30-50:~$
```

i-0f490663995fb1a56 (Nagesha-Docker)

PublicIPs: 3.21.190.108 PrivateIPs: 172.31.30.50

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EC2 Instance Connect | us-east-2

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0f490663995fb1a56&osUser=ubuntu®ion=us-east-2&sshPort=22#/

aws

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[Alt+5]

Ohio

Nagesha KS

Step 1/5 : FROM ubuntu
--> edbfe74c41f8
Step 2/5 : RUN apt update
--> Using cache
--> 02325938fd55
Step 3/5 : RUN apt-get install apache2 -y
--> Using cache
--> 674817112e9d
Step 4/5 : COPY index.html /var/www/html/
--> a5ad61bfb9d8
Step 5/5 : ENTRYPOINT apachectl -D FOREGROUND
--> Running in 15b45524c668
Removing intermediate container 15b45524c668
--> e5f01bf4b956
Successfully built e5f01bf4b956
Successfully tagged test02:latest
ubuntu@ip-172-31-30-50:~\$ sudo docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
test02	latest	e5f01bf4b956	25 seconds ago	231MB
test01	latest	356ecaa74d9f	27 minutes ago	231MB
nagesha1995/assign2	latest	30dae37c6ba0	14 hours ago	231MB
assignment2	latest	30dae37c6ba0	14 hours ago	231MB
ubuntu	latest	edbfe74c41f8	4 weeks ago	78.1MB

ubuntu@ip-172-31-30-50:~\$

i-0f490663995fb1a56 (Nagesha-Docker)

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EC2 Instance Connect | us-east-2

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0f490663995fb1a56&osUser=ubuntu®ion=us-east-2&sshPort=22#/

aws Services Search [Alt+S]

Ohio Nagesha KS

Step 3/5 : RUN apt-get install apache2 -y
--> Using cache
--> 674817112e9d
Step 4/5 : COPY index.html /var/www/html/
--> a5ad61bfb9d8
Step 5/5 : ENTRYPOINT apache2l -D FOREGROUND
--> Running in 15b45524c668
Removing intermediate container 15b45524c668
--> e5f01bf4b956
Successfully built e5f01bf4b956
Successfully tagged test02:latest
ubuntu@ip-172-31-30-50:~\$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
test02 latest e5f01bf4b956 25 seconds ago 231MB
test01 latest 356ecaa74d9f 27 minutes ago 231MB
nagesha1995/assign2 latest 30dae37c6ba0 14 hours ago 231MB
assignment2 latest 30dae37c6ba0 14 hours ago 231MB
ubuntu latest edbfe74c41f8 4 weeks ago 78.1MB
ubuntu@ip-172-31-30-50:~\$ sudo docker run -its -p 82:80 test02
unknown shorthand flag: 's' in -s
See 'docker run --help'.
ubuntu@ip-172-31-30-50:~\$ sudo docker run -itd -p 82:80 test02
6c6fea5ff2b731d8141d1bc4a4c50eeab0fdd3f8195c0a134eaffa8f63ae43bb
ubuntu@ip-172-31-30-50:~\$

i-0f490663995fb1a56 (Nagesha-Docker)

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HELLO WORLD !!

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Docker commands

history

sudo nano index.html

```
<html>
```

```
<head>
```

```
<title>intellipaat</title>
```

```
</head>
```

```
</body>
```

```
<h1 aligncenter> HELLO WORLD!! </h1>
```

```
</body>
```

```
</html>
```

ls

sudo nano Dockerfile

FROM ubuntu

RUN apt update

RUN apt-get install apache2 -y

COPY index.html /var/www/html/

ENTRYPOINT apachectl -D FOREGROUND

sudo docker build . -t test02

sudo docker images

sudo docker run -itd -p 82:80 test02

copy PublicIP and paste http://3.21.190.108:82/ in browser. Here :82 is port