

Module-3: Docker – I Assignment – 5

You have been asked to:

- Create a sample HTML file
 - Use the Dockerfile from the previous task
 - Replace this sample HTML file inside the docker container with the default page
-

ps://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

earch

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Instances (1/2) Info

Connect

Instance state

Actions

Launch instances

Find instance by attribute or tag (case-sensitive)

< 1 >

<div></div>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	Docker-test	i-0cdc547b0c1f3000d	<div>Running</div>	t2.micro	<div>2/2 checks passed</div>	No alarms +	us-east-1a
<input type="checkbox"/>	Docker-test2	i-06e788e75245c27f8	<div>Terminated</div>	t2.micro	-	No alarms +	us-east-1c

Instance: i-0cdc547b0c1f3000d (Docker-test)

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance summary Info

Instance ID

i-0cdc547b0c1f3000d (Docker-test)

IPv6 address

-

Hostname type

IP name: ip-172-31-31-157.ec2.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address

184.72.88.94 (public ip)

Public IPv4 address copied

184.72.88.94 | open address

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-31-157.ec2.internal

Instance type

t2.micro

VPC ID

vpc-01234567

Private IPv4 addresses

172.31.31.157

Public IPv4 DNS

ec2-184-72-88-94.compute-1.amazonaws.com | open address

Elastic IP addresses

-

AWS compute Optimized linux

linux

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Cookie preferences

https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0cdc547b0c1f3000d&osUser=ubuntu&ssh...



Services

Search

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```
ubuntu@ip-172-31-31-157:~$ cat Dockerfile
```

```
FROM ubuntu
```

```
RUN apt update
```

```
RUN apt install apache2 -y
```

```
ENTRYPOINT apache2ctl -D FOREGROUND
```

```
ubuntu@ip-172-31-31-157:~$
```


https://us-east-1.console.aws.amazon.com

https://us-east-1.console.aws.amazon.com/iam/details?arn=arn:aws:iam::1064654750c1f3000d&osUser=ubuntu&ssh...



Services

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


















```
ubuntu@ip-172-31-31-157:~$ sudo nano Dockerfile
```

I

GNU nano 6.2 Dockerfile

```
FROM ubuntu
RUN apt update
RUN apt install apache2 -y
ENTRYPOINT apachectl -D FOREGROUND
```

[Read 5 lines]

 Help	 Write Out	 Where Is	 Cut	 Execute	 Location	 Undo	 Set Mark	 To Bracket	 Previous
 Exit	 Read File	 Replace	 Paste	 Justify	 Go To Line	 Redo	 Copy	 Where Was	 Next

i-0cdc547b0c1f3000d (Docker-test) 

PublicIPs: 184.72.88.94 PrivateIPs: 172.31.31.157



Services

Search

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GNU nano 6.2

Dockerfile *

```
FROM ubuntu
RUN apt update
RUN apt install apache2 -y
ENTRYPOINT apache2ctl -D FOREGROUND
ADD index.html /var/www/html/
```

Help	Write Out	Where Is	Cut	Execute	Location	Undo	Set Mark	To Bracket	Previous
Exit	Read File	Replace	Paste	Justify	Go To Line	Redo	Copy	Where Was	Next

i-0cdc547b0c1f3000d (Docker-test)

PublicIPs: 184.72.88.94 PrivateIPs: 172.31.31.157



Services

Search

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```
ubuntu@ip-172-31-31-157:~$ cat Dockerfile
```

```
FROM ubuntu
```

```
RUN apt update
```

```
RUN apt install apache2 -y
```

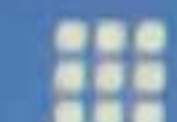
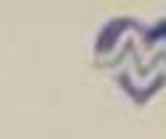
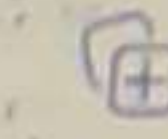
```
ENTRYPOINT apachectl -D FOREGROUND
```

```
ADD index.html /var/www/html/
```

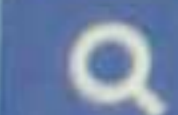
```
ubuntu@ip-172-31-31-157:~$
```




https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0cdc547b0c1f3000d&osUser=ubu...

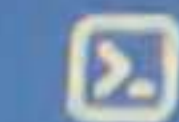


Services



Search

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```
ubuntu@ip-172-31-31-157:~$ sudo nano index.html
```



```
[ Wrote 8 lines ]
```

- | | | | | | | | | | |
|------|-----------|----------|-------|---------|------------|----------|--------------|----------------|--------------|
| Help | Write Out | Where Is | Cut | Execute | Location | M-U Undo | M-A Set Mark | M-] To Bracket | M-Q Previous |
| Exit | Read File | Replace | Paste | Justify | Go To Line | M-E Redo | M-6 Copy | M-Q Where Was | M-W Next |

i-0cdc547b0c1f3000d (Docker-test)
PublicIPs: 184.72.88.94 PrivateIPs: 172.31.31.157

https://us-east-1.console.aws.amazon.com/ec2/instances/connect?sh2response=us-east-1?c=instancetype=standard&instanceId=i-0cde547b0c1f3000d&osUser=ubu



Services

Search

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```
ubuntu@ip-172-31-31-157:~$ cat index.html
This is a index.html file
```

```
-----By Vaibhav Verma
[Cloud Computing and Devops batch]
```

```
ubuntu@ip-172-31-31-157:~$
```




Services

Search

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```
ubuntu@ip-172-31-31-157:~$ sudo docker build . -t assignment5
```

```
Sending build context to Docker daemon 15.87kB
```

```
Step 1/5 : FROM ubuntu
```

```
----> 74f2314a03de
```

```
Step 2/5 : RUN apt update
```

```
----> Using cache
```

```
----> c7355b398158
```

```
Step 3/5 : RUN apt install apache2 -y
```

```
----> Using cache
```

```
----> 04891f8a58d8
```

```
Step 4/5 : ENTRYPOINT apachectl -D FOREGROUND
```

```
----> Using cache
```

```
----> 1bf14254db1e
```

```
Step 5/5 : ADD index.html /var/www/html/
```

```
----> 06110e7cfc35
```

```
Successfully built 06110e7cfc35
```

```
Successfully tagged assignment5:latest
```

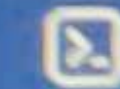
```
ubuntu@ip-172-31-31-157:~$
```




Services

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```
ubuntu@ip-172-31-31-157:~$ sudo docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
assignment5	latest	06110e7cfc35	About a minute ago	228MB
assignment4	latest	1bf14254db1e	26 minutes ago	228MB
assignment2	latest	9eee48ae9203	26 hours ago	228MB
vaibhavverma01/testing2	latest	9eee48ae9203	26 hours ago	228MB
ubuntu	latest	74f2314a03de	13 days ago	77.8MB

```
ubuntu@ip-172-31-31-157:~$
```


https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0cdc547b0c1f3000d&osUser=ubu...



Services

Search

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```
ubuntu@ip-172-31-31-157:~$ sudo docker run -itd -p 99:80 assignment5
16c2671ede82d7d08a7c5478213c1024c2968c3fe71b0cdf86592b732d96e105
ubuntu@ip-172-31-31-157:~$
```


Instances (1/2) [Info](#)

Connect

Instance state ▼

Actions ▼

Launch instances



Q Find instance by attribute or tag (case-sensitive)



	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	Docker-test	i-0cdc547b0c1f3000d	 Running 	t2.micro	 2/2 checks passed	No alarms 	us-east-1a
<input type="checkbox"/>	Docker-test2	i-06e788e75245c27f8	 Terminated 	t2.micro	-	No alarms 	us-east-1c

Instance: i-0cdc547b0c1f3000d (Docker-test)



Details

Security

Networking

Storage

Status checks

Monitoring

Tags

▼ Instance summary [Info](#)

Instance ID

 i-0cdc547b0c1f3000d (Docker-test)

IPv6 address

—

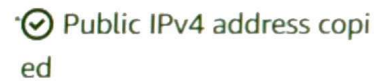
Hostname type

IP name: ip-172-31-31-157.ec2.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address



• reduces the number of

184.72.88.94 | [open address](#)

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-31-157.ec2.internal

Instance type

t2.micro

VPC ID

Private IPv4 addresses

172.31.31.157

Public IPv4 DNS

ec2-184-72-88-94.compute-1.amazonaws.com | open address

Elastic IP addresses

5

AWS Compute Optimizer finding

← ↻ 🏠 ⚠ Not secure | 184.72.88.94:99

I

This is a index.html file -----By Vaibhav Verma [Cloud Computing and Devops batch]