

## Docker Task -2

### Task Description:

Create a docker file, docker-compose file which when executed must display your basic details in the website.

### Tech stacks need to be used:

- AWS EC2
- Docker

### SCREENSHORTS:

**Instance summary for i-0b0d109d9a106e164 (Docker-host)** [Info](#)

Updated less than a minute ago

<b>Instance ID</b> <a href="#">i-0b0d109d9a106e164</a>	<b>Public IPv4 address</b> <a href="#">3.88.166.33</a>   <a href="#">open address</a>	<b>Private IPv4 addresses</b> <a href="#">172.31.26.198</a>
<b>IPv6 address</b> -	<b>Instance state</b> <span>Running</span>	<b>Public IPv4 DNS</b> <a href="#">ec2-3-88-166-33.compute-1.amazonaws.com</a>   <a href="#">open address</a>
<b>Hostname type</b> IP name: ip-172-31-26-198.ec2.internal	<b>Private IP DNS name (IPv4 only)</b> <a href="#">ip-172-31-26-198.ec2.internal</a>	<b>Elastic IP addresses</b> -
<b>Answer private resource DNS name</b> IPv4 (A)	<b>Instance type</b> t2.micro	<b>AWS Compute Optimizer finding</b> <a href="#">Opt-in to AWS Compute Optimizer for recommendation s.</a> <a href="#">Learn more</a>
<b>Auto-assigned IP address</b> <a href="#">3.88.166.33</a> [Public IP]	<b>VPC ID</b> <a href="#">vpc-0580a932f0edca430</a>	<b>Auto Scaling Group name</b> -
<b>IAM Role</b> -	<b>Subnet ID</b> <a href="#">subnet-0aa814b3fc3a75d87</a>	<b>Managed</b> false
<b>IMDSv2</b> Required	<b>Instance ARN</b> <a href="#">arn:aws:ec2:us-east-1:047447426147:instance/i-0b0d</a>	

[Refresh](#) [Connect](#) [Instance state ▼](#) [Actions ▼](#)

```
aws [Alt+S] United States (N. Virginia) Sujishree
```

```
Last login: Thu Apr 24 05:12:27 2025 from ec2-18-206-107-27.compute-1.amazonaws.com

#
#####
~\##### Amazon Linux 2
~~\##### AL2 End of Life is 2026-06-30.
~~\#####
~~\#/
~~V- -> A newer version of Amazon Linux is available!
~~
--_--
--m/_-- Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-172-31-26-198 ~]$ ssh -i rootkey.pem ec2-user@<3.88.166.33>
-bash: syntax error near unexpected token `newline'
[ec2-user@ip-172-31-26-198 ~]$ sudo curl -L "https://github.com/docker/compose/releases/download/v2.24.6/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/dock
er-compose

% Total    % Received % Xferd Average Speed   Time    Time     Time Current
                               Dload Upload   Total   Spent    Left   Speed
  0     0    0     0    0     0      0  --:--:-- --:--:-- --:--:--    0
100 58.5M 100 58.5M    0    0  65.0M      0  --:--:-- --:--:-- --:--:-- 92.4M

[ec2-user@ip-172-31-26-198 ~]$ sudo chmod +x /usr/local/bin/docker-compose
[ec2-user@ip-172-31-26-198 ~]$ docker-compose version
Docker Compose version v2.24.6
[ec2-user@ip-172-31-26-198 ~]$ mkdir my-website
mkdir: cannot create directory 'my-website': File exists
[ec2-user@ip-172-31-26-198 ~]$ cd my-website
[ec2-user@ip-172-31-26-198 my-website]$ nano index.html
```

i-0b0d109d9a106e164 (Docker-host)

PublicIPs: 3.88.166.33 PrivateIPs: 172.31.26.198

```
[ec2-user@ip-172-31-26-198 my-website]$ nano Dockerfile
```

aws

Search

[Alt+S]

United States (N. Virginia)

Sujishreek

GNU nano 2.9.8

Dockerfile

FROM nginx:alpine

COPY index.html /usr/share/nginx/html/index.html

Read 3 lines

Get Help

Write Out

Where Is

Cut Text

Justify

Cur Pos

Exit

Read File

Replace

Uncut Text

To Spell

Go To Line

i-0b0d109d9a106e164 (Docker-host)

PublicIPs: 3.88.166.33 PrivateIPs: 172.31.26.198

aws

Search

[Alt+S]

United States (N. Virginia)

Sujishreek

GNU nano 2.9.8

docker-compose.yml

Modified

version: '3'

services:

web:

image: my-basic-site

ports:

- "80:80"

Get Help

Write Out

Where Is

Cut Text

Justify

Cur Pos

Exit

Read File

Replace

Uncut Text

To Spell

Go To Line

i-0b0d109d9a106e164 (Docker-host)

PublicIPs: 3.88.166.33 PrivateIPs: 172.31.26.198

CloudShell

Feedback

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```
[ec2-user@ip-172-31-26-198 my-website]$ nano Dockerfile
[ec2-user@ip-172-31-26-198 my-website]$ docker build -t my-basic-site
ERROR: "docker buildx build" requires exactly 1 argument.
See 'docker buildx build --help'.

Usage:  docker buildx build [OPTIONS] PATH | URL | -

Start a build
[ec2-user@ip-172-31-26-198 my-website]$ nano docker-compose.yml
[ec2-user@ip-172-31-26-198 my-website]$ docker-compose up -d
[*] Running 1/0
✖ web Error                                0.1s
Error response from daemon: pull access denied for my-basic-site, repository does not exist or may require 'docker login': denied: requested access to the resource is denied
[ec2-user@ip-172-31-26-198 my-website]$ ^C
[ec2-user@ip-172-31-26-198 my-website]$ docker build -t my-basic-site .
[*] Building 0.3s (7/7) FINISHED                docker:default
=> [internal] load build definition from Dockerfile                0.0s
=> => transferring dockerfile: 105B                               0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine    0.1s
=> [internal] load .dockerignore                                  0.0s
=> => transferring context: 2B                                       0.0s
=> [internal] load build context                                   0.0s
=> => transferring context: 271B                                      0.0s
=> CACHED [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a066 0.0s
=> [2/2] COPY index.html /usr/share/nginx/html/index.html         0.0s
=> exporting to image                                              0.0s
```

```

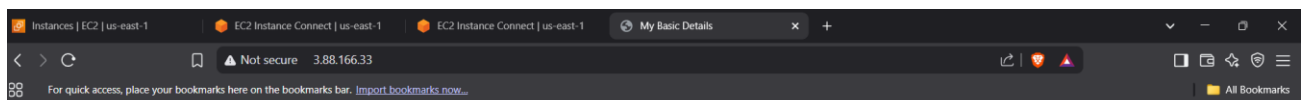
=> [2/2] COPY index.html /usr/share/nginx/html/index.html 0.0s
=> exporting to image 0.0s
=> exporting layers 0.0s
=> writing image sha256:7683284edb6ff8f490b1fb2ace014a7886c330aed282ce 0.0s
=> naming to docker.io/library/my-basic-site 0.0s
ec2-user@ip-172-31-26-198 my-website]$ docker build -t my-basic-site .
[+] Building 0.2s (7/7) FINISHED docker:default
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 105B 0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine 0.1s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 32B 0.0s
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b 0.0s
=> CACHED [2/2] COPY index.html /usr/share/nginx/html/index.html 0.0s
=> exporting to image 0.0s
=> exporting layers 0.0s
=> writing image sha256:7683284edb6ff8f490b1fb2ace014a7886c330aed282ce 0.0s
=> naming to docker.io/library/my-basic-site 0.0s
ec2-user@ip-172-31-26-198 my-website]$ docker-compose up -d
[+] Running 1/1
✓ Container my-website-web-1 Started 0.5s
ec2-user@ip-172-31-26-198 my-website]$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
9cbee00cac12   my-basic-site  "/docker-entrypoint..." About a minute ago Up About a minute 0.0.0.0:80->80/tcp, :::80->80/tcp my-website-web-1
ec2-user@ip-172-31-26-198 my-website]$

```

```

ec2-user@ip-172-31-26-198 my-website]$ docker-compose up -d
[+] Running 1/1
✓ Container my-website-web-1 Started 0.5s
ec2-user@ip-172-31-26-198 my-website]$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
9cbee00cac12   my-basic-site  "/docker-entrypoint..." About a minute ago Up About a minute 0.0.0.0:80->80/tcp, :::80->80/tcp my-website-web-1
ec2-user@ip-172-31-26-198 my-website]$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
my-basic-site  latest   7683284edb6f  12 minutes ago  48.2MB
my-website-web latest   c9523d28186f  3 hours ago    48.2MB
ec2-user@ip-172-31-26-198 my-website]$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
9cbee00cac12   my-basic-site  "/docker-entrypoint..." 13 minutes ago Up 13 minutes  0.0.0.0:80->80/tcp, :::80->80/tcp my-website-web-1
ec2-user@ip-172-31-26-198 my-website]$

```



## Hello, I'm Suji!

Email:sujishreek2002@gmail.com

this is my docker 2 task file

BATCH15

