



School of Computer Science Engineering and Application

BCA TY SEM VI

Subject Name: Container and Orchestration Practical

Assignment No 1

**Aim: Install Docker on Ec2 Machine and Perform Life Cycle operation
on any three Images including Nginx**

Submitted By

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Date: 05/02/2024

Install Docker on Ec2 Machine and Perform Life Cycle operation on any three Images including Nginx

Technology Used: Docker, Container, AWS

Step 1: Creating an Instance

Step 2: Set up repository

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, Services menu, a search bar, and the user's name 'Jayesh Bhargale'. The main content area displays the 'Instances' page for the 'us-east-1' region, showing a single EC2 instance named 'us-east-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&...'. The instance is in the 'Running' state.

The terminal output shows the following commands and results:

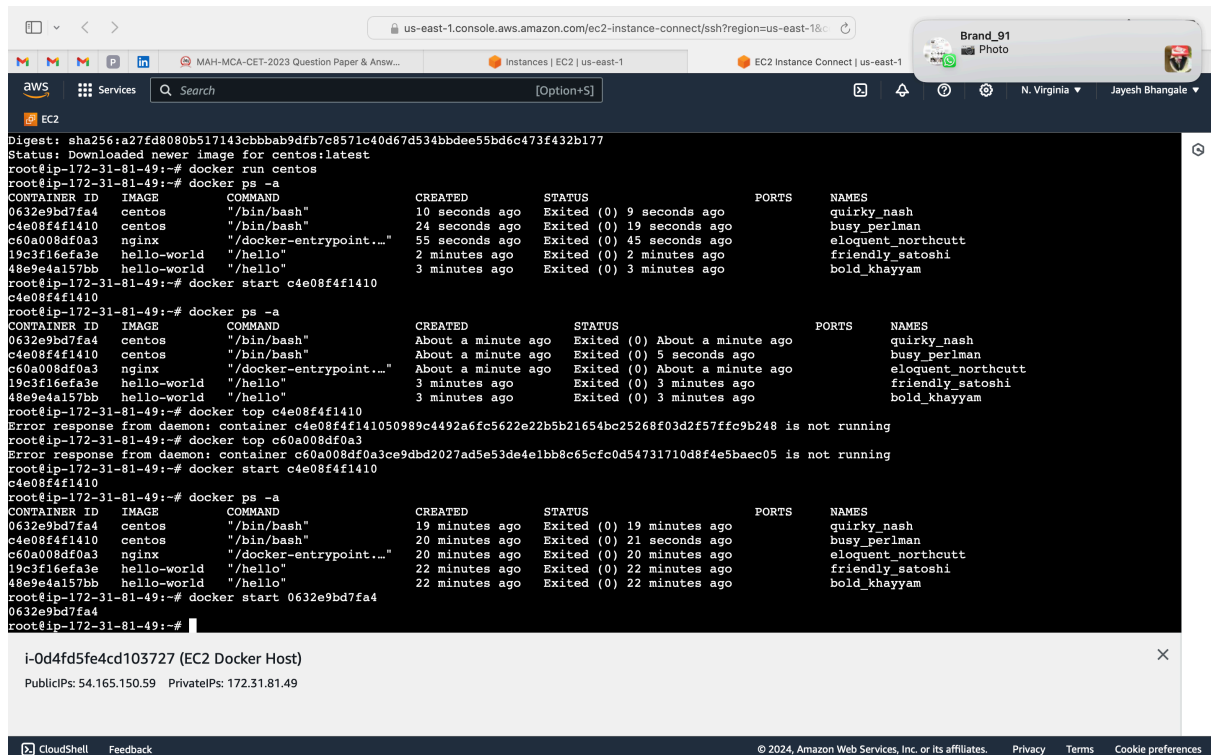
```
root@ip-172-31-81-49:~# docker top c4e08f4f1410
Error response from daemon: container c4e08f4f141050989c4492a6fc5622e22b5b21654bc25268f03d2f57ffc9b248 is not running
root@ip-172-31-81-49:~# docker top c60a008df0a3
Error response from daemon: container c60a008df0a3ce9dbd2027ad5e53de41ebb8c65cfc0d54731710d8f4e5baec05 is not running
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
0632e9bd7fa4       centos              "/bin/bash"        19 minutes ago     Exited (0) 19 minutes ago              quirky_nash
c4e08f4f1410       centos              "/bin/bash"        20 minutes ago     Exited (0) 21 seconds ago              busy_perlman
c60a008df0a3       nginx               "/docker-entrypoint..." 20 minutes ago     Exited (0) 20 minutes ago              eloquent_northcutt
19c3f16efa3e       hello-world         "/hello"           22 minutes ago     Exited (0) 22 minutes ago              friendly_satoshi
48e9e4a157bb       hello-world         "/hello"           22 minutes ago     Exited (0) 22 minutes ago              bold_khayyam
root@ip-172-31-81-49:~# docker start 0632e9bd7fa4
0632e9bd7fa4
root@ip-172-31-81-49:~# docker start c60a008df0a3
c60a008df0a3
root@ip-172-31-81-49:~# docker start 19c3f16efa3e
19c3f16efa3e
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
0632e9bd7fa4       centos              "/bin/bash"        22 minutes ago     Exited (0) 58 seconds ago              quirky_nash
c4e08f4f1410       centos              "/bin/bash"        22 minutes ago     Exited (0) 2 minutes ago              busy_perlman
c60a008df0a3       nginx               "/docker-entrypoint..." 22 minutes ago     Up 24 seconds          80/tcp             eloquent_northcutt
19c3f16efa3e       hello-world         "/hello"           24 minutes ago     Exited (0) 11 seconds ago              friendly_satoshi
48e9e4a157bb       hello-world         "/hello"           24 minutes ago     Exited (0) 24 minutes ago              bold_khayyam
root@ip-172-31-81-49:~# docker top c60a008df0a3
UID                PID                PPID               C                   STIME              TTY               TIME               CMD
root                6567              6546              0                   07:44              ?                 00:00:00           nginx: master
process nginx -g daemon off;
systemd+            6604              6567              0                   07:44              ?                 00:00:00           nginx: worker
process
systemd+            6605              6567              0                   07:44              ?                 00:00:00           nginx: worker
process
```

The terminal output also shows the following information for the EC2 instance:

```
i-0d4fd5fe4cd103727 (EC2 Docker Host)
PublicIPs: 54.165.150.59 PrivateIPs: 172.31.81.49
```

Step 3: : Connecting Instance and giving t pull, extract and run the images:-

1. Docker run nginx
2. Docker run centos
3. Docker run hello-world



```

Digest: sha256:a27fd8080b517143cbbbab9dfb7c8571c40d67d534bbdee55bd6c473f432b177
Status: Downloaded newer image for centos:latest
root@ip-172-31-81-49:~# docker run centos
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             10 seconds ago Exited (0) 9 seconds ago           quirky_nash
c4e08f4f1410   centos    "/bin/bash"             24 seconds ago Exited (0) 19 seconds ago         busy_perlman
c60a008df0a3   nginx     "/docker-entrypoint. ..." 55 seconds ago Exited (0) 45 seconds ago         eloquent_northcutt
19c3f16efa3e   hello-world "/hello"                 2 minutes ago Exited (0) 2 minutes ago         friendly_satoshi
48e9e4a157bb   hello-world "/hello"                 3 minutes ago Exited (0) 3 minutes ago         bold_khayyam
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             About a minute ago Exited (0) About a minute ago           quirky_nash
c4e08f4f1410   centos    "/bin/bash"             About a minute ago Exited (0) 5 seconds ago         busy_perlman
c60a008df0a3   nginx     "/docker-entrypoint. ..." About a minute ago Exited (0) About a minute ago         eloquent_northcutt
19c3f16efa3e   hello-world "/hello"                 3 minutes ago Exited (0) 3 minutes ago         friendly_satoshi
48e9e4a157bb   hello-world "/hello"                 3 minutes ago Exited (0) 3 minutes ago         bold_khayyam
root@ip-172-31-81-49:~# docker top c4e08f4f1410
Error response from daemon: container c4e08f4f141050989c4492a6fc5622e22b5b21654bc25268f03d2f57ffc9b248 is not running
root@ip-172-31-81-49:~# docker top c60a008df0a3
Error response from daemon: container c60a008df0a3ce9dbd2027ad5e53de4e1bb8c65cfc0d54731710d8f4e5baec05 is not running
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             19 minutes ago Exited (0) 19 minutes ago           quirky_nash
c4e08f4f1410   centos    "/bin/bash"             20 minutes ago Exited (0) 21 seconds ago         busy_perlman
c60a008df0a3   nginx     "/docker-entrypoint. ..." 20 minutes ago Exited (0) 20 minutes ago         eloquent_northcutt
19c3f16efa3e   hello-world "/hello"                 22 minutes ago Exited (0) 22 minutes ago         friendly_satoshi
48e9e4a157bb   hello-world "/hello"                 22 minutes ago Exited (0) 22 minutes ago         bold_khayyam
root@ip-172-31-81-49:~# docker start 0632e9bd7fa4
0632e9bd7fa4
root@ip-172-31-81-49:~#

```

i-Od4fd5fe4cd103727 (EC2 Docker Host)

PublicIPs: 54.165.150.59 PrivateIPs: 172.31.81.49

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Step 3 : Start Nginx

Docker start [container_id]

```
root@ip-172-31-81-49:~# docker run centos
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
0632e9bd7fa4   centos    "/bin/bash"             10 seconds ago    Exited (0) 9 seconds ago    quirkynash
c4e08f4f1410   centos    "/bin/bash"             24 seconds ago    Exited (0) 19 seconds ago    busyperlman
c60a008df0a3   nginx     "/docker-entrypoint..." 55 seconds ago    Exited (0) 45 seconds ago    eloquentnorthcutt
19c3f16efa3e   hello-world "/hello"                2 minutes ago    Exited (0) 2 minutes ago    friendlysatoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    boldkhayyam
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
0632e9bd7fa4   centos    "/bin/bash"             About a minute ago    Exited (0) About a minute ago    quirkynash
c4e08f4f1410   centos    "/bin/bash"             About a minute ago    Exited (0) 5 seconds ago    busyperlman
c60a008df0a3   nginx     "/docker-entrypoint..." About a minute ago    Exited (0) About a minute ago    eloquentnorthcutt
19c3f16efa3e   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    friendlysatoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    boldkhayyam
root@ip-172-31-81-49:~# docker top c4e08f4f1410
Error response from daemon: container c4e08f4f141050989c4492a6fc5622e22b5b21654bc25268f03d2f57ffc9b248 is not running
root@ip-172-31-81-49:~# docker top c60a008df0a3
Error response from daemon: container c60a008df0a3ce9dbd2027ad5e53de4elbb8c65cfc0d54731710d8f4e5baec05 is not running
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
0632e9bd7fa4   centos    "/bin/bash"             19 minutes ago    Exited (0) 19 minutes ago    quirkynash
c4e08f4f1410   centos    "/bin/bash"             About a minute ago    Exited (0) 5 seconds ago    busyperlman
c60a008df0a3   nginx     "/docker-entrypoint..." About a minute ago    Exited (0) About a minute ago    eloquentnorthcutt
19c3f16efa3e   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    friendlysatoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    boldkhayyam
root@ip-172-31-81-49:~# docker pause c60a008df0a3
c60a008df0a3
root@ip-172-31-81-49:~# docker unpause c60a008df0a3
c60a008df0a3
root@ip-172-31-81-49:~#
```

i-Od4fd5fe4cd103727 (EC2 Docker Host)

PublicIPs: 54.165.150.59 PrivateIPs: 172.31.81.49

Step 4 : Top command

Docker top [container_id]

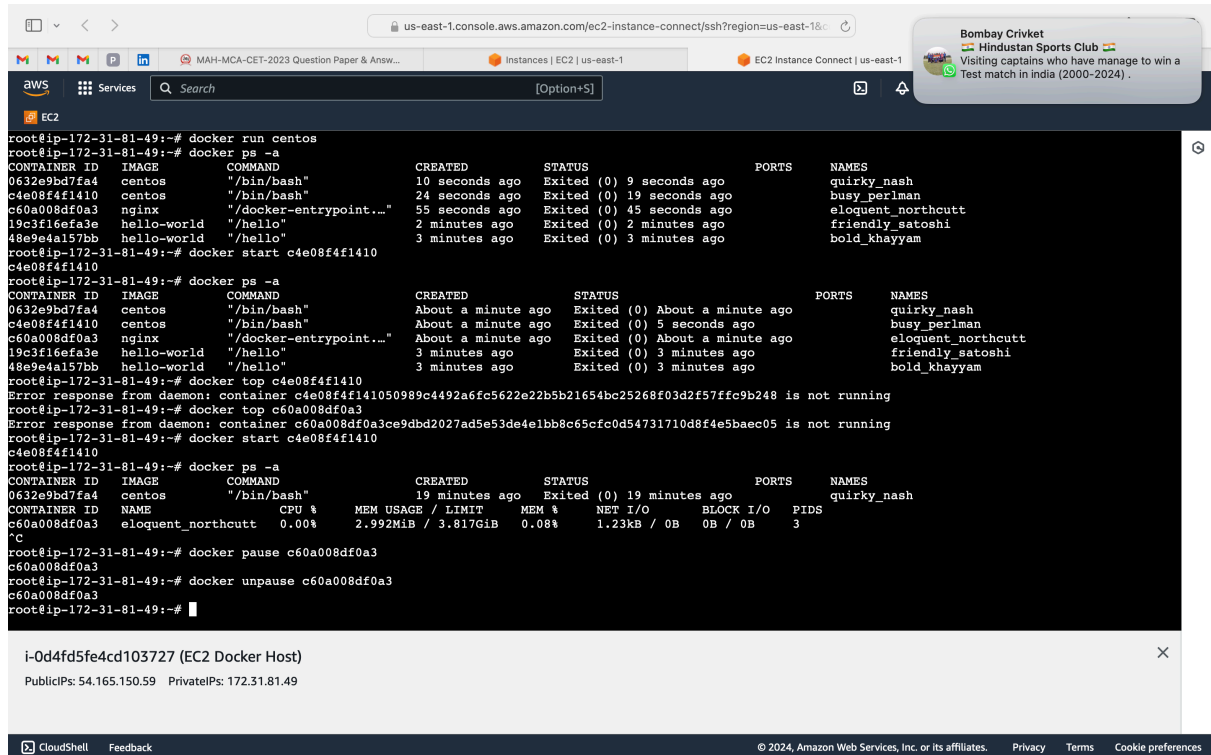
```
root@ip-172-31-81-49:~# docker run centos
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
0632e9bd7fa4   centos    "/bin/bash"             10 seconds ago    Exited (0) 9 seconds ago    quirkynash
c4e08f4f1410   centos    "/bin/bash"             24 seconds ago    Exited (0) 19 seconds ago    busyperlman
c60a008df0a3   nginx     "/docker-entrypoint..." 55 seconds ago    Exited (0) 45 seconds ago    eloquentnorthcutt
19c3f16efa3e   hello-world "/hello"                2 minutes ago    Exited (0) 2 minutes ago    friendlysatoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    boldkhayyam
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
0632e9bd7fa4   centos    "/bin/bash"             About a minute ago    Exited (0) About a minute ago    quirkynash
c4e08f4f1410   centos    "/bin/bash"             About a minute ago    Exited (0) 5 seconds ago    busyperlman
c60a008df0a3   nginx     "/docker-entrypoint..." About a minute ago    Exited (0) About a minute ago    eloquentnorthcutt
19c3f16efa3e   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    friendlysatoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    boldkhayyam
root@ip-172-31-81-49:~# docker top c4e08f4f1410
Error response from daemon: container c4e08f4f141050989c4492a6fc5622e22b5b21654bc25268f03d2f57ffc9b248 is not running
root@ip-172-31-81-49:~# docker top c60a008df0a3
Error response from daemon: container c60a008df0a3ce9dbd2027ad5e53de4elbb8c65cfc0d54731710d8f4e5baec05 is not running
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
0632e9bd7fa4   centos    "/bin/bash"             19 minutes ago    Exited (0) 19 minutes ago    quirkynash
c4e08f4f1410   centos    "/bin/bash"             About a minute ago    Exited (0) 5 seconds ago    busyperlman
c60a008df0a3   nginx     "/docker-entrypoint..." About a minute ago    Exited (0) About a minute ago    eloquentnorthcutt
19c3f16efa3e   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    friendlysatoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago    Exited (0) 3 minutes ago    boldkhayyam
root@ip-172-31-81-49:~# docker pause c60a008df0a3
c60a008df0a3
root@ip-172-31-81-49:~# docker unpause c60a008df0a3
c60a008df0a3
root@ip-172-31-81-49:~#
```

i-Od4fd5fe4cd103727 (EC2 Docker Host)

PublicIPs: 54.165.150.59 PrivateIPs: 172.31.81.49

Step 5 : Pause command

Docker pause [container_id]



The screenshot shows a terminal window in AWS CloudShell. The user is logged into an EC2 instance. The terminal output shows the following commands and results:

```
root@ip-172-31-81-49:~# docker run centos
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             10 seconds ago Exited (0) 9 seconds ago           quirky_nash
c4e08f4f1410   centos    "/bin/bash"             24 seconds ago Exited (0) 19 seconds ago           busy_perlman
c60a008df0a3   nginx    "/docker-entrypoint..." 55 seconds ago Exited (0) 45 seconds ago           eloquent_northcutt
19c3f16efa3e   hello-world "/hello"                2 minutes ago Exited (0) 2 minutes ago           friendly_satoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago Exited (0) 3 minutes ago           bold_khayyam

root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410

root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             About a minute ago Exited (0) About a minute ago           quirky_nash
c4e08f4f1410   centos    "/bin/bash"             About a minute ago Exited (0) 5 seconds ago           busy_perlman
c60a008df0a3   nginx    "/docker-entrypoint..." About a minute ago Exited (0) About a minute ago           eloquent_northcutt
19c3f16efa3e   hello-world "/hello"                3 minutes ago Exited (0) 3 minutes ago           friendly_satoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago Exited (0) 3 minutes ago           bold_khayyam

root@ip-172-31-81-49:~# docker top c4e08f4f1410
Error response from daemon: container c4e08f4f141050989c4492a6fc5622e22b5b21654bc25268f03d2f57ffc9b248 is not running
root@ip-172-31-81-49:~# docker top c60a008df0a3
Error response from daemon: container c60a008df0a3ce9dbd2027ad5e53de4e1bb8c65cfc0d54731710d8f4e5baec05 is not running
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410

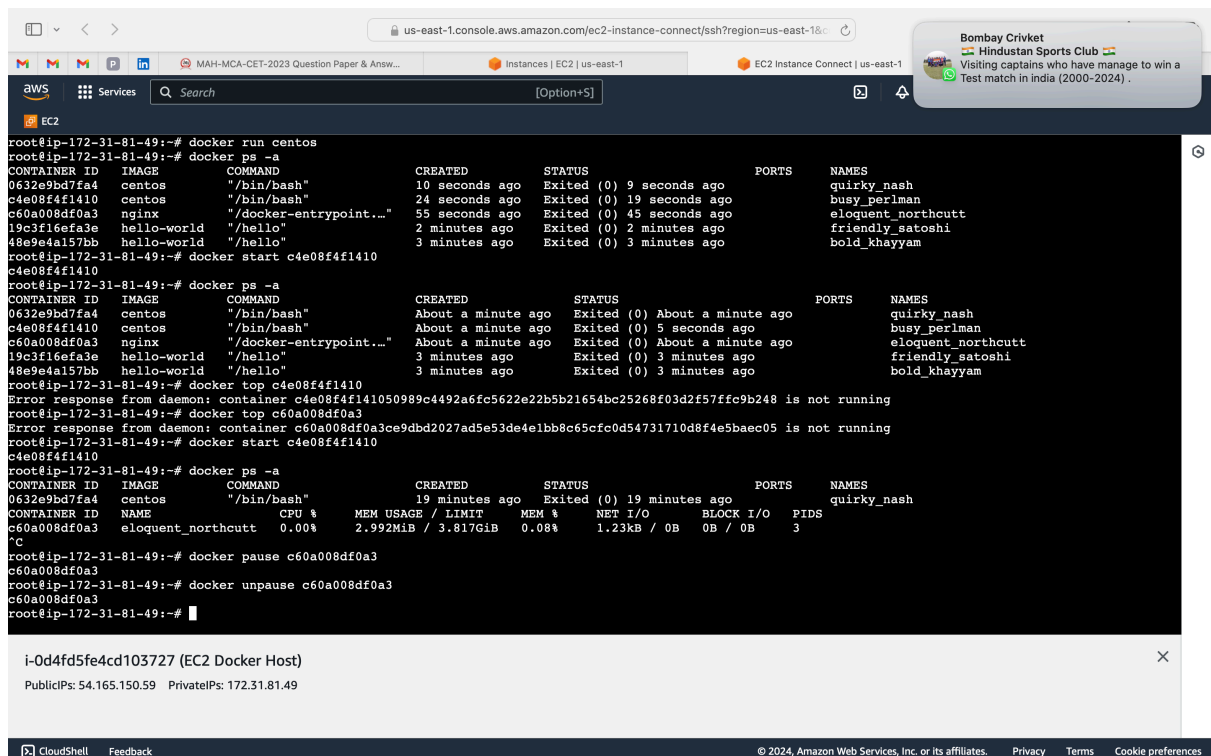
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             19 minutes ago Exited (0) 19 minutes ago           quirky_nash
CONTAINER ID   NAME      CPU %     MEM USAGE / LIMIT   MEM %     NET I/O   BLOCK I/O   PIDS
c60a008df0a3   eloquent_northcutt  0.00%    2.992MiB / 3.817GiB  0.08%    1.23kB / 0B  0B / 0B     3

root@ip-172-31-81-49:~# docker pause c60a008df0a3
root@ip-172-31-81-49:~# docker unpause c60a008df0a3
root@ip-172-31-81-49:~#
```

The terminal output shows the container c60a008df0a3 being paused and then unpaused. The container is now in a state where it is not running, and the user is prompted to enter a command.

Step 6 : Unpause command

Docker unpause [container_id]



The screenshot shows a terminal window in AWS CloudShell. The user is logged into an EC2 instance. The terminal output shows the following commands and results:

```
root@ip-172-31-81-49:~# docker run centos
root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             10 seconds ago Exited (0) 9 seconds ago           quirky_nash
c4e08f4f1410   centos    "/bin/bash"             24 seconds ago Exited (0) 19 seconds ago           busy_perlman
c60a008df0a3   nginx    "/docker-entrypoint..." 55 seconds ago Exited (0) 45 seconds ago           eloquent_northcutt
19c3f16efa3e   hello-world "/hello"                2 minutes ago Exited (0) 2 minutes ago           friendly_satoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago Exited (0) 3 minutes ago           bold_khayyam

root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410

root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             About a minute ago Exited (0) About a minute ago           quirky_nash
c4e08f4f1410   centos    "/bin/bash"             About a minute ago Exited (0) 5 seconds ago           busy_perlman
c60a008df0a3   nginx    "/docker-entrypoint..." About a minute ago Exited (0) About a minute ago           eloquent_northcutt
19c3f16efa3e   hello-world "/hello"                3 minutes ago Exited (0) 3 minutes ago           friendly_satoshi
48e9e4a157bb   hello-world "/hello"                3 minutes ago Exited (0) 3 minutes ago           bold_khayyam

root@ip-172-31-81-49:~# docker top c4e08f4f1410
Error response from daemon: container c4e08f4f141050989c4492a6fc5622e22b5b21654bc25268f03d2f57ffc9b248 is not running
root@ip-172-31-81-49:~# docker top c60a008df0a3
Error response from daemon: container c60a008df0a3ce9dbd2027ad5e53de4e1bb8c65cfc0d54731710d8f4e5baec05 is not running
root@ip-172-31-81-49:~# docker start c4e08f4f1410
c4e08f4f1410

root@ip-172-31-81-49:~# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
0632e9bd7fa4   centos    "/bin/bash"             19 minutes ago Exited (0) 19 minutes ago           quirky_nash
CONTAINER ID   NAME      CPU %     MEM USAGE / LIMIT   MEM %     NET I/O   BLOCK I/O   PIDS
c60a008df0a3   eloquent_northcutt  0.00%    2.992MiB / 3.817GiB  0.08%    1.23kB / 0B  0B / 0B     3

root@ip-172-31-81-49:~# docker pause c60a008df0a3
root@ip-172-31-81-49:~# docker unpause c60a008df0a3
root@ip-172-31-81-49:~#
```

The terminal output shows the container c60a008df0a3 being unpaused. The container is now in a state where it is not running, and the user is prompted to enter a command.

Step 7: Stop command

Docker stop [container_id]

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&c

MAH-MCA-CET-2023 Question Paper & Ans...

Instances | EC2 | us-east-1

EC2 Instance Connect | us-east-1

Services

Search

[Option+S]

EC2

0632e9bd7fa4

centos

"/bin/bash"

10 seconds ago

Exited (0)

9 seconds ago

quirky_nash

c4e08f4f1410

centos

"/bin/bash"

24 seconds ago

Exited (0)

19 seconds ago

busy_perlman

c60a008df0a3

nginx

"/docker-entrypoint..."

55 seconds ago

Exited (0)

45 seconds ago

eloquent_northcutt

19c3f16efa3e

hello-world

"/hello"

2 minutes ago

Exited (0)

2 minutes ago

friendly_satoshi

48e9e4a157bb

hello-world

"/hello"

3 minutes ago

Exited (0)

3 minutes ago

bold_khayyam

root@ip-172-31-81-49:~# docker start c4e08f4f1410

c4e08f4f1410

root@ip-172-31-81-49:~# docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
0632e9bd7fa4	centos	"/bin/bash"	About a minute ago	Exited (0)	About a minute ago	quirky_nash
c4e08f4f1410	centos	"/bin/bash"	About a minute ago	Exited (0)	5 seconds ago	busy_perlman
c60a008df0a3	nginx	"/docker-entrypoint..."	About a minute ago	Exited (0)	About a minute ago	eloquent_northcutt
19c3f16efa3e	hello-world	"/hello"	3 minutes ago	Exited (0)	3 minutes ago	friendly_satoshi
48e9e4a157bb	hello-world	"/hello"	3 minutes ago	Exited (0)	3 minutes ago	bold_khayyam

root@ip-172-31-81-49:~# docker top c4e08f4f1410

Error response from daemon: container c4e08f4f141050989c4492a6fc5622e2b5b21654bc25268f03d2f57ffc9b248 is not running

root@ip-172-31-81-49:~# docker top c60a008df0a3

Error response from daemon: container c60a008df0a3ce9dbd2027ad5e53de4elbb8c65cfc0d54731710d8f4e5baec05 is not running

root@ip-172-31-81-49:~# docker start c4e08f4f1410

c4e08f4f1410

root@ip-172-31-81-49:~# docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
0632e9bd7fa4	centos	"/bin/bash"	19 minutes ago	Exited (0)	19 minutes ago	quirky_nash

CONTAINER ID

NAME

CPU %

MEM USAGE / LIMIT

MEM %

NET I/O

BLOCK I/O

PIDS

c60a008df0a3

eloquent_northcutt

0.00%

2.992MiB / 3.817GiB

0.08%

1.23kB / 0B

0B / 0B

3

root@ip-172-31-81-49:~# docker pause c60a008df0a3

c60a008df0a3

root@ip-172-31-81-49:~# docker unpause c60a008df0a3

c60a008df0a3

root@ip-172-31-81-49:~# docker stop c60a008df0a3

c60a008df0a3

root@ip-172-31-81-49:~#

i-0d4fd5fe4cd103727 (EC2 Docker Host)

PublicIPs: 54.165.150.59 PrivateIPs: 172.31.81.49

CloudShell

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Step 8: kill command

Docker kill [container_id]

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&c

MAH-MCA-CET-2023 Question Paper & Ans...

Instances | EC2 | us-east-1

EC2 Instance Connect | us-east-1

Services

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[Option+S]

EC2

c60a008df0a3

root@ip-172-31-81-49:~# docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
0632e9bd7fa4	centos	"/bin/bash"	38 minutes ago	Exited (0)	17 minutes ago	quirky_nash
c4e08f4f1410	centos	"/bin/bash"	38 minutes ago	Exited (0)	18 minutes ago	busy_perlman
c60a008df0a3	nginx	"/docker-entrypoint..."	38 minutes ago	Up 15 seconds	80/tcp	eloquent_northcutt
19c3f16efa3e	hello-world	"/hello"	40 minutes ago	Exited (0)	16 minutes ago	friendly_satoshi
48e9e4a157bb	hello-world	"/hello"	41 minutes ago	Exited (0)	41 minutes ago	bold_khayyam

root@ip-172-31-81-49:~# docker kill c60a008df0a3

c60a008df0a3

root@ip-172-31-81-49:~# docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
0632e9bd7fa4	centos	"/bin/bash"	39 minutes ago	Exited (0)	17 minutes ago	quirky_nash
c4e08f4f1410	centos	"/bin/bash"	39 minutes ago	Exited (0)	19 minutes ago	busy_perlman
c60a008df0a3	nginx	"/docker-entrypoint..."	39 minutes ago	Exited (137)	7 seconds ago	eloquent_northcutt
19c3f16efa3e	hello-world	"/hello"	41 minutes ago	Exited (0)	17 minutes ago	friendly_satoshi
48e9e4a157bb	hello-world	"/hello"	41 minutes ago	Exited (0)	41 minutes ago	bold_khayyam

root@ip-172-31-81-49:~# docker run c60a008df0a3

Unable to find image 'c60a008df0a3:latest' locally

docker: Error response from daemon: pull access denied for c60a008df0a3, repository does not exist or may require 'docker login': denied: requested access to the resource is denied.

See 'docker run --help'.

root@ip-172-31-81-49:~# docker run -d -p 80:80 nginx

fb741c9ffa45b3cdec19fb93fd9aee748f5f81873851fb81f61021f33e3a31b4

root@ip-172-31-81-49:~# docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fb741c9ffa45	nginx	"/docker-entrypoint..."	8 seconds ago	Up 7 seconds	0.0.0.0:80->80/tcp, :::80->80/tcp	mystifying_elbaky

an

0632e9bd7fa4

centos

"/bin/bash"

44 minutes ago

Exited (0)

22 minutes ago

quirky_nash

c4e08f4f1410

centos

"/bin/bash"

44 minutes ago

Exited (0)

24 minutes ago

busy_perlman

c60a008df0a3

nginx

"/docker-entrypoint..."

44 minutes ago

Exited (137)

5 minutes ago

eloquent_northcutt

19c3f16efa3e

hello-world

"/hello"

46 minutes ago

Exited (0)

22 minutes ago

friendly_satoshi

48e9e4a157bb

hello-world

"/hello"

46 minutes ago

Exited (0)

46 minutes ago

bold_khayyam

root@ip-172-31-81-49:~#

i-0d4fd5fe4cd103727 (EC2 Docker Host)

PublicIPs: 54.165.150.59 PrivateIPs: 172.31.81.49

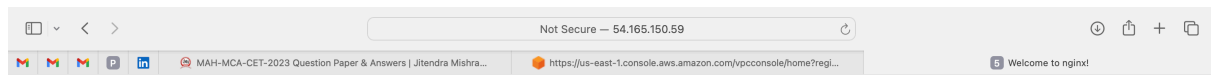
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Step 9: Nginx welcome page

Copy public id and paste on browser



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.
Commercial support is available at nginx.com.

Thank you for using nginx.

End of the practical(Last page)

Sign

Subject In charge

