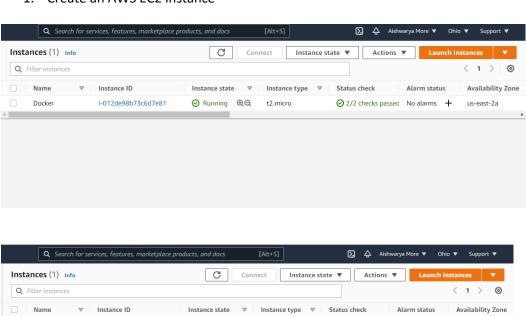
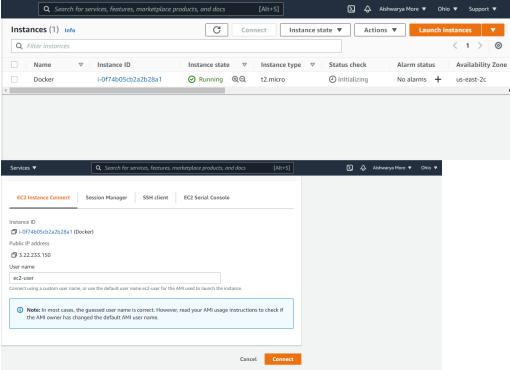
## **DevOps Essentials**

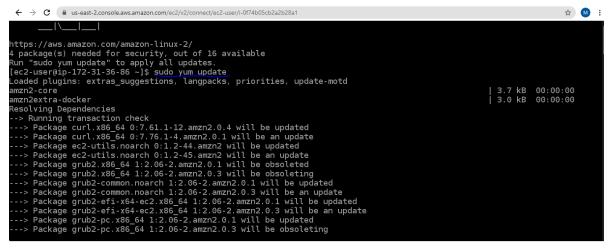
# Student Name – Aishwarya More Assignment2 - Working with Docker

1. Create an AWS EC2 instance





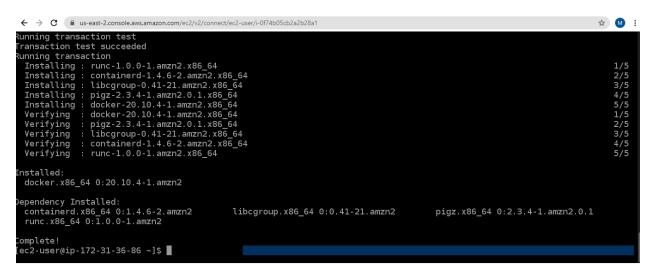
## 2. Sudo yum update



i-0f74b05cb2a2b28a1 (Docker)

Public IPs: 3.22.233.150 Private IPs: 172.31.36.86

## 3. Sudo yum install docker



i-0f74b05cb2a2b28a1 (Docker)
Public IPs: 3.22.233.150 Private IPs: 172.31.36.86

### 4. docker

i-0f74b05cb2a2b28a1 (Docker)

Public IPs: 3.22.233.150 Private IPs: 172.31.36.86

### 5. docker --version

```
[ec2-user@ip-172-31-36-86 ~]$ <u>docker --version</u>
Docker version 20.10.4, build d3cb89e
[ec2-user@ip-172-31-36-86 ~]$ ■
```

i-0f74b05cb2a2b28a1 (Docker)

Public IPs: 3.22.233.150 Private IPs: 172.31.36.86

## 6. service docker start

```
[ec2-user@ip-172-31-36-86 ~]$ sudo service docker start
Redirecting to /bin/systemctl start docker.service
[ec2-user@ip-172-31-36-86 ~]$ ■
```

## 7. service docker stop

```
[ec2-user@ip-172-31-36-86 ~]$ sudo service docker stop
Redirecting to /bin/systemctl stop docker.service
Warning: Stopping docker.service, but it can still be activated by:
docker.socket
[ec2-user@ip-172-31-36-86 ~]$ ■
```

### 8. service docker status

```
[ec2-user@ip-172-31-36-86 ~]$ sudo service docker status
Redirecting to /bin/systemctl status docker.service

docker.service - Docker Application Container Engine
Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; vendor preset: disabled)
Active: inactive (dead) since Tue 2021-08-17 12:07:15 UTC; 9s ago
Docs: https://docs.docker.com
Docs: https://docs.docker.com
Docs: https://docs.docker.com
Process: 13657 ExecStartPre=/usr/libexec/docker/docker-setup-runtimes.sh (code=exited, status=0/SUCCESS)
Process: 13647 ExecStartPre=/bin/mkdir -p /run/docker (code=exited, status=0/SUCCESS)
Main PID: 13670 (code=exited, status=0/SUCCESS)

Aug 17 12:06:51 ip-172-31-36-86.us-east-2.compute.internal dockerd[13670]: time="2021-08-17712:06:51.432910534Z" leve...."
Aug 17 12:06:51 ip-172-31-36-86.us-east-2.compute.internal dockerd[13670]: time="2021-08-17712:06:51.482062174Z" leve....."
Aug 17 12:06:51 ip-172-31-36-86.us-east-2.compute.internal dockerd[13670]: time="2021-08-17712:06:51.482062174Z" leve.....4
Aug 17 12:06:51 ip-172-31-36-86.us-east-2.compute.internal dockerd[13670]: time="2021-08-17712:06:51.482655774Z" leve....1
Aug 17 12:06:51 ip-172-31-36-86.us-east-2.compute.internal dockerd[13670]: time="2021-08-17712:06:51.482655774Z" leve....n
Aug 17 12:06:51 ip-172-31-36-86.us-east-2.compute.internal systemd[1]: Started Docker Application Container Engine..
Aug 17 12:07:15 ip-172-31-36-86.us-east-2.compute.internal systemd[1]: Stopping Docker Application Container Engine...
Aug 17 12:07:15 ip-172-31-36-86.us-east-2.compute.internal systemd[1]: Stopping Docker Application Container Engine...
```

#### i-0f74b05cb2a2b28a1 (Docker)

Public IPs: 3.22.233.150 Private IPs: 172.31.36.86

### 9. sudo docker run hello-world

## i-0f74b05cb2a2b28a1 (Docker)

Public IPs: 3.22.233.150 Private IPs: 172.31.36.86

## 10. docker run -it ubuntu bash

```
[ec2-user@ip-172-31-36-86 ~]$ sudo docker run -it ubuntu bash
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
l6ec32c2132b: Pull complete
Digest: sha256:82becede498899ec668628e7cb0ad87b6e1c371cb8a1e597d83a47fac21d6af3
Status: Downloaded newer image for ubuntu:latest
oot@84fbcf5698d5: /root@84fbcf5698d5:/# ■
```

## 11. docker volume create

```
[ec2-user@ip-172-31-36-86 ~]$ sudo su
[root@ip-172-31-36-86 ec2-user]# docker volume create
74d5f06565515d0c398dfc6cb940dfc790eb020ffd3336baffed7f179ccad39e
[root@ip-172-31-36-86 ec2-user]# docker volume create
c5e4884e6584a8a11f5807b849903cf3e412793dbf1fa194f0e32f4d70d617e8
[root@ip-172-31-36-86 ec2-user]# ■
```

## 12. docker volume Is

## 13. docker volume inspect <volume Id>

## 14. docker volume rm <volume Id>

```
[root@ip-172-31-36-86 ec2-user]# docker volume rm 74d5f06565515d0c398dfc6cb940dfc790eb020ffd3336baffed7f179ccad39e
74d5f06565515d0c398dfc6cb940dfc790eb020ffd3336baffed7f179ccad39e
[root@ip-172-31-36-86 ec2-user]# docker volume ls
DRIVER VOLUME NAME
local c5e4884e6584a8a11f5807b849903cf3e412793dbf1fa194f0e32f4d70d617e8
[root@ip-172-31-36-86 ec2-user]#
```

## service docker stop

```
[root@ip-172-31-36-86 ec2-user]# service docker stop
Redirecting to /bin/systemctl stop docker.service
Warning: Stopping docker.service, but it can still be activated by:
docker.socket
[root@ip-172-31-36-86 ec2-user]# ■
```