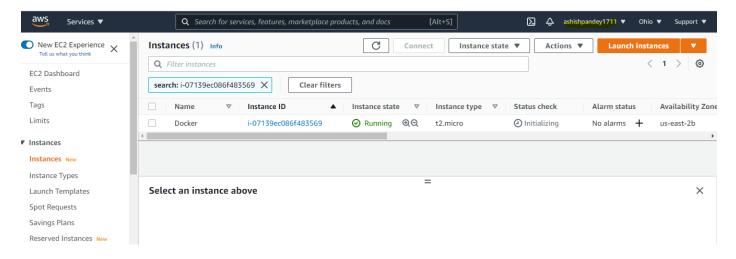
Pandeyashish1234@gmail.com , mob no : 9971490122 , Day2 :Assignment : 15th Aug 2021

1) Create an EC2 AWS instance



2) Sudo Yum update

```
https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 16 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-26-115 ~]$ sudo yum update
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00

Resolving Dependencies
--> Running transaction check
--> Package curl.x86_64 0:7.76.1-4.amzn2.0.4 will be updated
--> Package curl.x86_64 0:7.76.1-4.amzn2.0.1 will be an update
--> Package curl.x86_64 0:7.76.1-4.amzn2 will be updated
--> Package ec2-utils.noarch 0:1.2-44.amzn2 will be updated
--> Package ec2-utils.noarch 0:1.2-45.amzn2 will be an update
--> Package grub2.x86_64 1:2.06-2.amzn2.0.1 will be obsoleted
--> Package grub2-common.noarch 1:2.06-2.amzn2.0.1 will be updated
--> Package grub2-common.noarch 1:2.06-2.amzn2.0.1 will be updated
--> Package grub2-efi-x64-ec2.x86_64 1:2.06-2.amzn2.0.3 will be updated
```

3)sudo yum install docker

4)Docker

```
Complete!
[ec2-user@ip-172-31-26-115 ~]$ docker
Usage: docker [OPTIONS] COMMAND
  self-sufficient runtime for containers
Options:
         --config string
                                              Location of client config files (default "/home/ec2-user/.docker")
                                              Name of the context to use to connect to the daemon (overrides DOCKER_HOST env var and default context set with "docker context use")
   -c, --context string
   -D, --debug
-H, --host list
                                              Enable debug mode
                                              Enable debug mode

Daemon socket(s) to connect to

Set the logging level ("debug"|"info"|"warn"|"error"|"fatal") (default "info")

Use TLS; implied by --tlsverify

Trust certs signed only by this CA (default "/home/ec2-user/.docker/ca.pem")

Path to TLS certificate file (default "/home/ec2-user/.docker/cert.pem")

Path to TLS key file (default "/home/ec2-user/.docker/key.pem")

Use TLS and verify the remote
   -l, --log-level string
          --tlscacert string
          --tlscert string
          --tlskey string
--tlsverify
   -v, --version
                                              Print version information and quit
```

5) docker -version

```
Run 'docker COMMAND --help' for more information on a command.

To get more help with docker, check out our guides at https://docs.docker.com/go/guides/
[ec2-user@ip-172-31-26-115 ~]$ docker --version

Docker version 20.10.4, build d3cb89e
[ec2-user@ip-172-31-26-115 ~]$
```

6) service docker start

```
[ec2-user@ip-1/2-31-26-115 ~]$ service docker start
Redirecting to /bin/systemctl start docker.service
Failed to start docker.service: The name org.freedesktop.PolicyKit1 was not provided by any .service files
See system logs and 'systemctl status docker.service' for details.
[ec2-user@ip-172-31-26-115 ~]$ sudo service docker start
Redirecting to /bin/systemctl start docker.service
[ec2-user@ip-172-31-26-115 ~]$
```

i-07139ec086f483569 (Docker)

Public IPs: 52.14.214.110 Private IPs: 172.31.26.115

7) service docker status

i-07139ec086f483569 (Docker)

Public IPs: 52.14.214.110 Private IPs: 172.31.26.115

8) service docker stop

```
ec2-user@ip-172-31-26-115 ~]$ sudo service docker stop
edirecting to /bin/systemctl stop docker.service
arning: Stopping docker.service, but it can still be activated by:
docker.socket
ec2-user@ip-172-31-26-115 ~]$
```

i-07139ec086f483569 (Docker) Public IPs: 52.14.214.110 Private IPs: 172.31.26.115

After this, again started the docker service.

9)docker run hello-world

i-07139ec086f483569 (Docker)

Public IPs: 52 14 214 110 Private IPs: 172 31 26 115

10) docker run -it ubuntu bash

```
[ec2-user@ip-172-31-26-115 ~]$ sudo docker run -it ubuntu bash
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
16ec32c2132b: Pull complete
Digest: sha256:82becede498899ec668628e7cb0ad87b6e1c371cb8a1e597d83a47fac21d6af3
Status: Downloaded newer image for ubuntu:latest
oot@2a7e8460c9b9: /root@2a7e8460c9b9:/# ■
```

i-07139ec086f483569 (Docker)

Public IPs: 52.14.214.110 Private IPs: 172.31.26.115

Working with volume

Docker volume create:

```
[root@ip-172-31-26-115 ec2-user]# docker volume create
f4c8e7d402ac6785f5eb6a0ec917834ef19b09b0444255c43ddccf4406dff8ea
[root@ip-172-31-26-115 ec2-user]#
```

i-07139ec086f483569 (Docker)

Public IPs: 52.14.214.110 Private IPs: 172.31.26.115

Docker volume inspect:

i-07139ec086f483569 (Docker)

Public IPs: 52.14.214.110 Private IPs: 172.31.26.115

Docker volume rm volid

[root@ip-172-31-26-115 ec2-user]# docker volume rm f4c8e7d402ac6785f5eb6a0ec917834ef19b09b0444255c43ddccf4406dff8ea f4c8e7d402ac6785f5eb6a0ec917834ef19b09b0444255c43ddccf4406dff8ea

Docker volume Is

```
[root@ip-172-31-26-115 ec2-user]# docker volume ls
DRIVER VOLUME NAME
local c737cc2e33c09e02120325efbd9ade907d3fdba8421be781a947b2bab21e7637
[root@ip-172-31-26-115 ec2-user]# ■
```

i-07139ec086f483569 (Docker)

Public IPs: 52.14.214.110 Private IPs: 172.31.26.115

Service docker stop:

[root@ip-172-31-26-115 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-172-31-26-115 ec2-user]#

i-07139ec086f483569 (Docker)

Public IPs: 52.14.214.110 Private IPs: 172.31.26.115

----- Assignment end -----