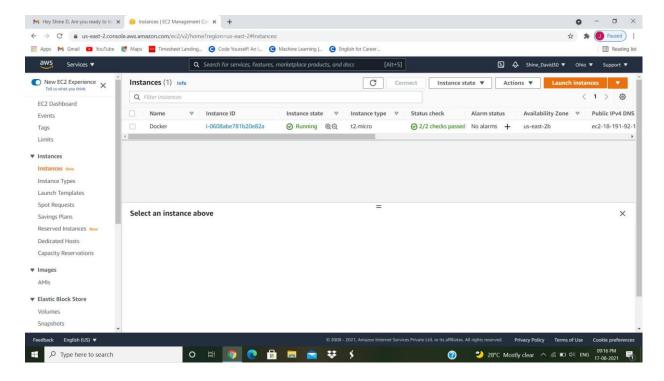
#### 1. create an AWS EC2 instance



# 2. sudo yum update

# 3. sudo yum install docker

```
| Cer | Loaded plugins: extras_suggestions, langbacks, priorities, update-motd | Resolving Dependencies | Resolving Dependency: runc | 1.0.0 for package: docker-20.10.4-1.amzn2.x86_64 | Resolving Dependency: runc | 1.0.0 for package: docker-20.10.4-1.amzn2.x86_64 | Resolving Dependency: containerd | 1.3.2 for package: docker-20.10.4-1.amzn2.x86_64 | Resolving Dependency: pigz for package: docker-20.10.4-1.amzn2 | Resolving Dependency: pigz for package: docker-
```

### 4. docker

## 5. docker –version

```
[ec2-user@ip-172-31-28-32 ~]$ docker --version
Docker version 20.10.4, build d3cb89e
```

#### 6. service docker start

```
[ec2-user@ip-172-31-28-32 ~]$ sudo service docker start
Redirecting to /bin/systemctl start docker.service
```

## 7. service docker status

```
ec2-user@ip-172-31-28-32 -]$ sudo service docker status
edirecting 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: active (running) since Tue 2021-08-17 15:10:56 UTC; 15s ago
Docs: https://docs.docker.com
Process: 9418 ExecStartPre=/usr/Libexec/docker/docker-setup-runtimes.sh (code=exited, status=0/SUCCESS)
Process: 9408 ExecStartPre=/bin/mkdir -p /run/docker (code=exited, status=0/SUCCESS)
Main PID: 9426 (dockerd)
Tasks: 7
Memory: 37.6M
```

## 8. service docker stop

```
[root@ip-172-31-28-32 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
```

## docker run hello-world

```
[root@ip-172-31-28-32 ec2-user]# docker run hello-world
Unable to find image 'hello-world:latest' locally
Latest: Pulling from library/hello-world
88dfdel27a29: Pull complete
Digest: sha256:0fe98d7debd9049c50b597ef1f85b7cle8cc81f59c8d623fcb2250e8bec85b38
Status: Downloaded newer image for hello-world:latest
Hello from Docker!
This message shows that your installation appears to be working correctly.
o generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.

    The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
    The Docker daemon streamed that output to the Docker client, which sent it

      to your terminal
To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash
Share images, automate workflows, and more with a free Docker ID: https://hub.docker.com/
or more examples and ideas, visit:
https://docs.docker.com/get-started/
```

### 10.Docker run -it ubuntu bash

```
[root@ip-172-31-28-32 ec2-user]# docker run -it ubuntu bash
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
lse32c1232b: Pull complete
Digest: sha256:82becede499899ec668622e7cb0ad87b6elc37icb8ale597d83a47fac2ld6af3
Status: Downloaded newer image for ubuntu:latest
oot@d5d2d671415: /root@6d5d2d671415:/# exit
exit
[root@ip-172-31-28-32 ec2-user]# docker info
@ient:
Context: default
Debug Mode: false

Server:
Containers: 2
Running: 0
Paused: 0
Stopped: 2
Images: 2
Server Version: 20.10.4
Storage Driver: overlay2
Backing Filesystem: xfs
Supports d_type: true
Native Overlay Diff: true
Logging Driver: json-file
Cgroup Driver: gson-file
C
```

### 11. Docker volume create

```
[root@ip-172-31-28-32 ec2-user]# docker volume create
ddd446fa6952ba641f1c4c960e0df32610129d6dadb84eb772756619006b95cf
```

# 12. docker volume inspect

# 13. docker volume rm vol-id

[root@ip-172-31-28-32 ec2-user]# docker volume rm ddd446fa6952ba641f1c4c960e0df32610129d6dadb84eb772756619006b95cf ddd446fa6952ba641f1c4c960e0df32610129d6dadb84eb772756619006b95cf

# 14. docker volume Is

# 15. service docker stop

```
[root@ip-172-31-28-32 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
```

# 16. sudo yum remove docker