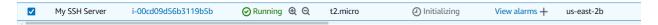
Launch Linux server on AWS



2. Connect to Linux server

3. Install Docker on AWS

```
ec2-user@ip-172-31-22-49 ~]$ sudo yum install -y docker
.ast metadata expiration check: 0:08:03 ago on Thu Oct 31 20:54:23 2024.
                                                                                                                                                           Architecture
 Installing:
                                                                                                                                                                                                                                                          25.0.6-1.amzn2023.0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       44 M
                                                                                                                                                           x86_64
                                                                                                                                                                                                                                                                                                                                                                                                                  amazonlinux
 Installing dependencies:
                                                                                                                                                                                                                                                        1.7. 20-1. amzn2023.0.1
1.8.8-3. amzn2023.0.2
1.8.8-3. amzn2023.0.2
1.8.8-3. amzn2023.0.2
1.0.8-2. amzn2023.0.2
1.0.1-19. amzn2023.0.2
1.2.2-2. amzn2023.0.3
1.1.13-1. amzn2023.0.3
                                                                                                                                                         x86_64
x86_64
x86_64
x86_64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    35 M
401 k
183 k
75 k
58 k
                                                                                                                                                                                                                                                                                                                                                                                                                  amazonlinux
amazonlinux
amazonlinux
amazonlinux
                cainerd
ables-libs
ables-nft
                                                                                                                                                                                                                                                                                                                                                                                                                   amazonlinux
                                                                                                                                                                                                                                                                                                                                                                                                                   amazonlinux
 Transaction Summary
 Install 10 Packages
Total download size: 84 M

Installed size: 317 M

Downloading Packages:
(1/18): jptables-libs-1.8.8-3.amzn2023.0.2.x86_64.rpm
(2/18): iptables-nft-1.8.8-3.amzn2023.0.2.x86_64.rpm
(3/10): libcgroup-3.0-1.amzn2023.0.2.x86_64.rpm
(4/18): libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64.rpm
(5/10): libnetfilter_contrack-1.0.8-2.amzn2023.0.2.x86_64.rpm
(5/10): libnetfilter_c2-2-amzn2023.0.2.x86_64.rpm
(7/10): pigz-2.5-1.amzn2023.0.3.x86_64.rpm
(8/10): runc-1.1.3-1.amzn2023.0.1.x86_64.rpm
(9/10): containerd-1.7.20-1.amzn2023.0.1.x86_64.rpm
(10/10): docker-25.0.6-1.amzn2023.0.2.x86_64.rpm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               401 kB
183 kB
75 kB
58 kB
30 kB
84 kB
83 kB
3.2 MB
35 MB
44 MB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     00:00
00:00
00:00
00:00
00:00
00:00
00:00
00:01
                                                                                                                                                                                                                                                                                                                                                                                                                                                       MB/s
                                                                                                                                                                                                                                                                                                                                                                                                                                              24 MB/s
                                                                                                                                                                                                                                                                                                                                                                                                                                              44 MB/s |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  84 MB
```

```
Installed:
containerd-1.7.20-1.amzn2023.0.1.x86_64
containerd-1.7.20-1.amzn2023.0.2.x86_64
iptables-nft-1.8.8-3.amzn2023.0.2.x86_64
libcgroup-3.0-1.amzn2023.0.1.x86_64
libnfnetlink-1.0.1-19.amzn2023.0.2.x86_64
runc-1.1.13-1.amzn2023.0.1.x86_64

Complete!
```

Start docker

```
[ec2-user@ip-172-31-22-49 ~]$ sudo service docker start
Redirecting to /bin/systemctl start docker.service
[ec2-user@ip-172-31-22-49 ~]$ |
```

5. Added user in Sudo

6. Check docker status

```
[ec2-user@ip-172-31-22-49 ~]$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[ec2-user@ip-172-31-22-49 ~]$ |
```

7. Created 2 files index.html, dockerfile

Index.html file

```
[ec2-user@ip-172-31-22-49 dockerfolder]$ cat dockerfile
FROM nginx:alpine
COPY index.html /usr/share/nginx/html/
EXPOSE 80
```

8. Build images and run

9. Docker image to verify

[ec2-user@ip-172-31-22-49 dockerfolder]\$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ec2image latest 5f984790b4ef 2 minutes ago 47MB

10. Verify container is running