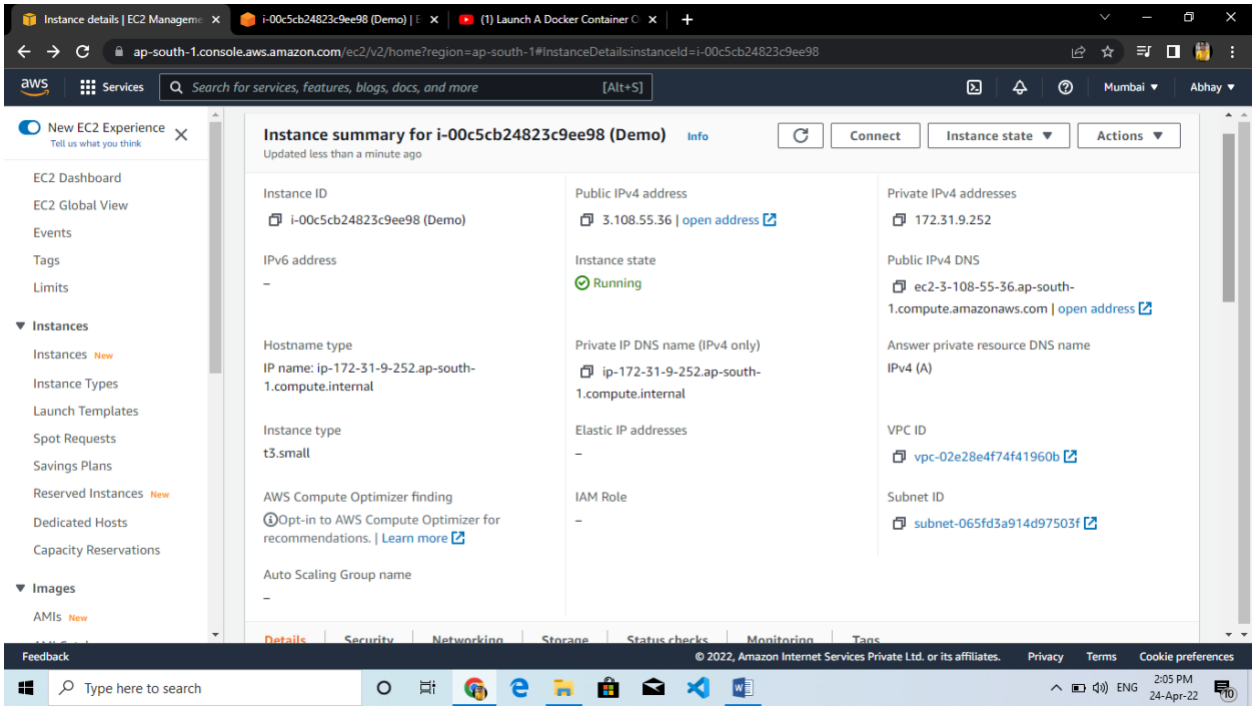
Assignment 2.b

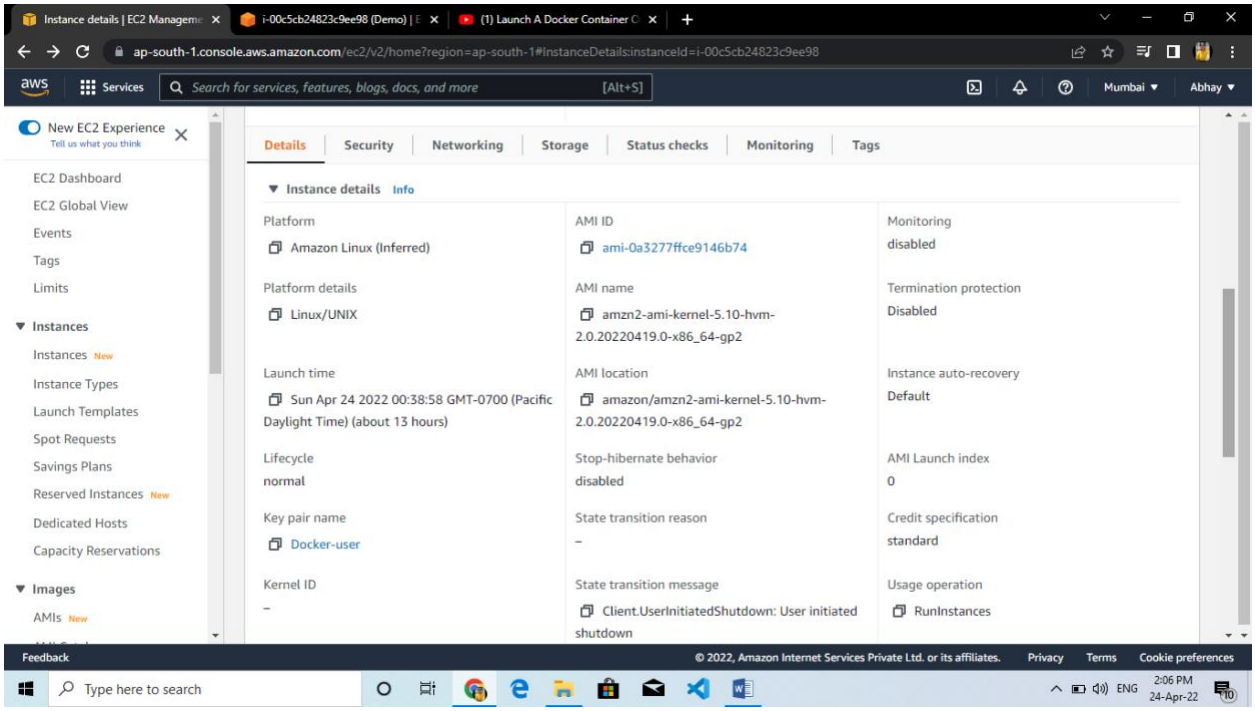
Name- Mohd Muneer Khan
Roll no -26

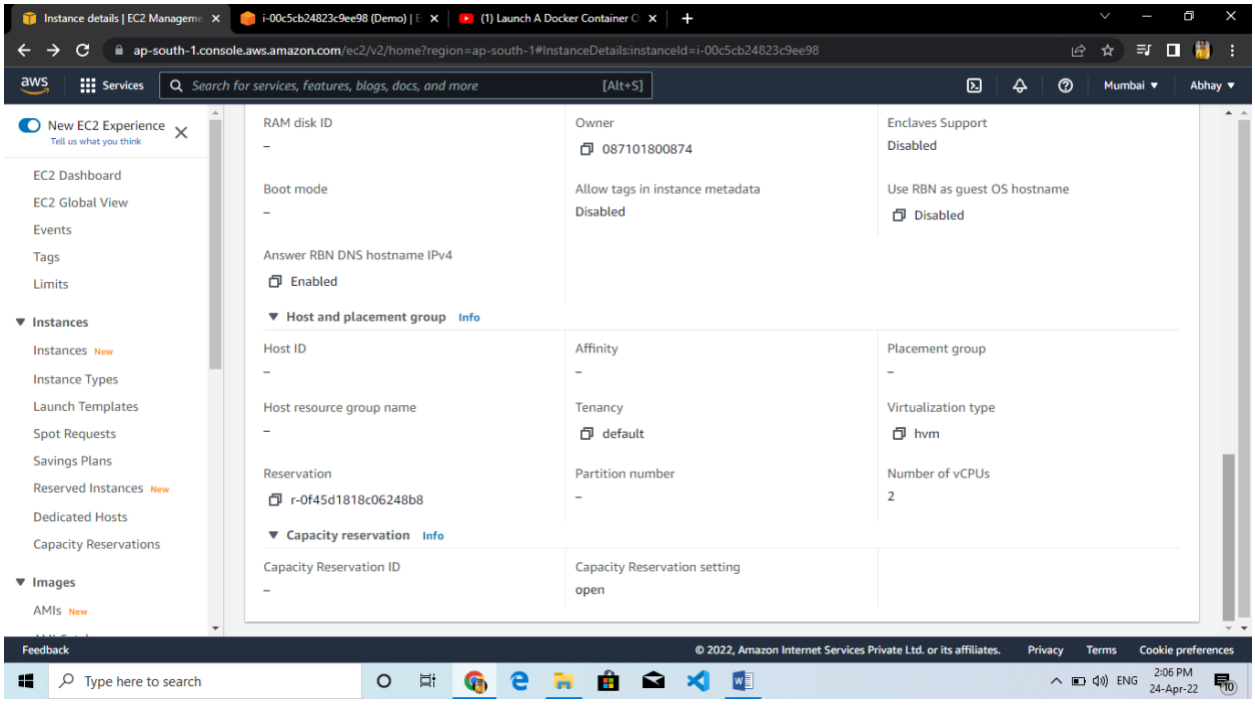
1. Creating Instance on AWS .

Created a Instance of AWS and all Information about AWS

Example: ip address, port , private and public address,instance id etc .




Instance details | EC2 Manageme
i-00c5cb24823c9ee98 (Demo) |
(1) Launch A Docker Container
ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#InstanceDetails:instanceId=i-00c5cb24823c9ee98
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Mumbai
Abhay
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs New
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance details Info
Platform
Amazon Linux (Inferred)
AMI ID
ami-0a3277ffce9146b74
Monitoring
disabled
Platform details
Linux/UNIX
AMI name
amzn2-ami-kernel-5.10-hvm-2.0.20220419.0-x86_64-gp2
Termination protection
Disabled
Launch time
Sun Apr 24 2022 00:38:58 GMT-0700 (Pacific Daylight Time) (about 13 hours)
AMI location
amazon/amzn2-ami-kernel-5.10-hvm-2.0.20220419.0-x86_64-gp2
Instance auto-recovery
Default
Lifecycle
normal
Stop-hibernate behavior
disabled
AMI Launch index
0
Key pair name
Docker-user
State transition reason
–
Credit specification
standard
Kernel ID
–
State transition message
Client.UserInitiatedShutdown: User initiated shutdown
Usage operation
RunInstances
Feedback
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences
Type here to search
ENG
2:06 PM
24-Apr-22


Instance details | EC2 Manageme
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(1) Launch A Docker Container
ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#InstanceDetails:instanceId=i-00c5cb24823c9ee98
Services
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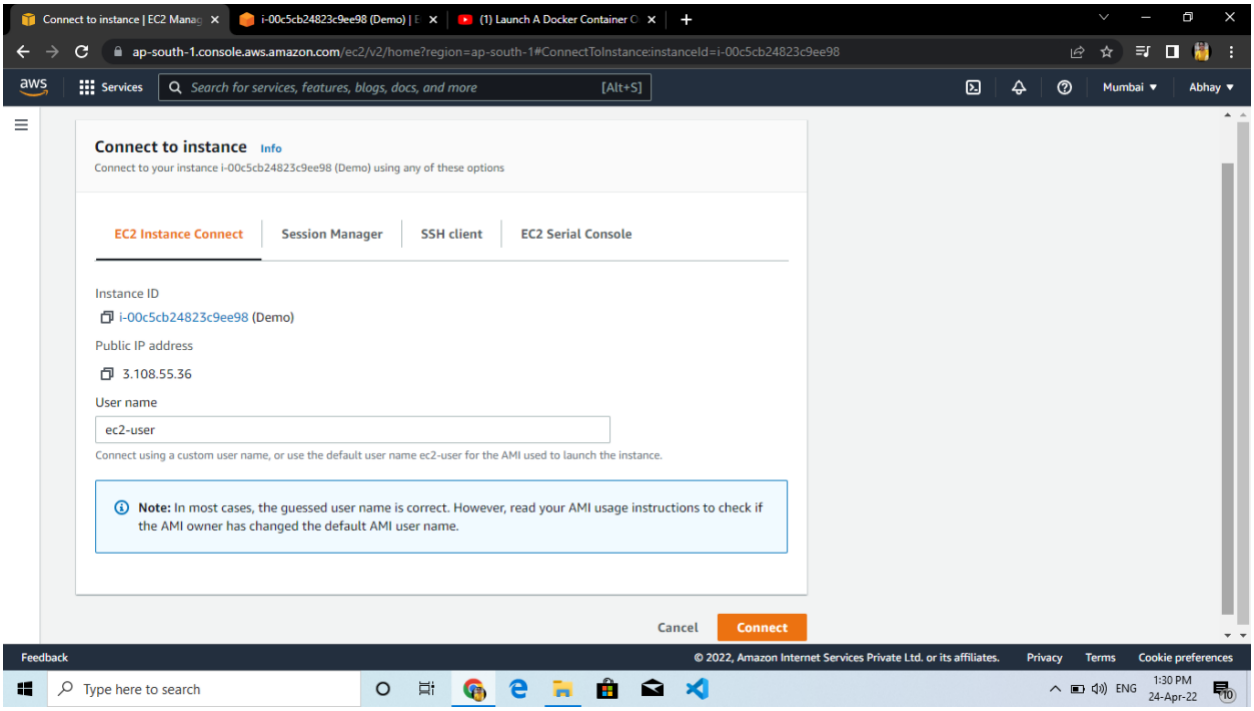
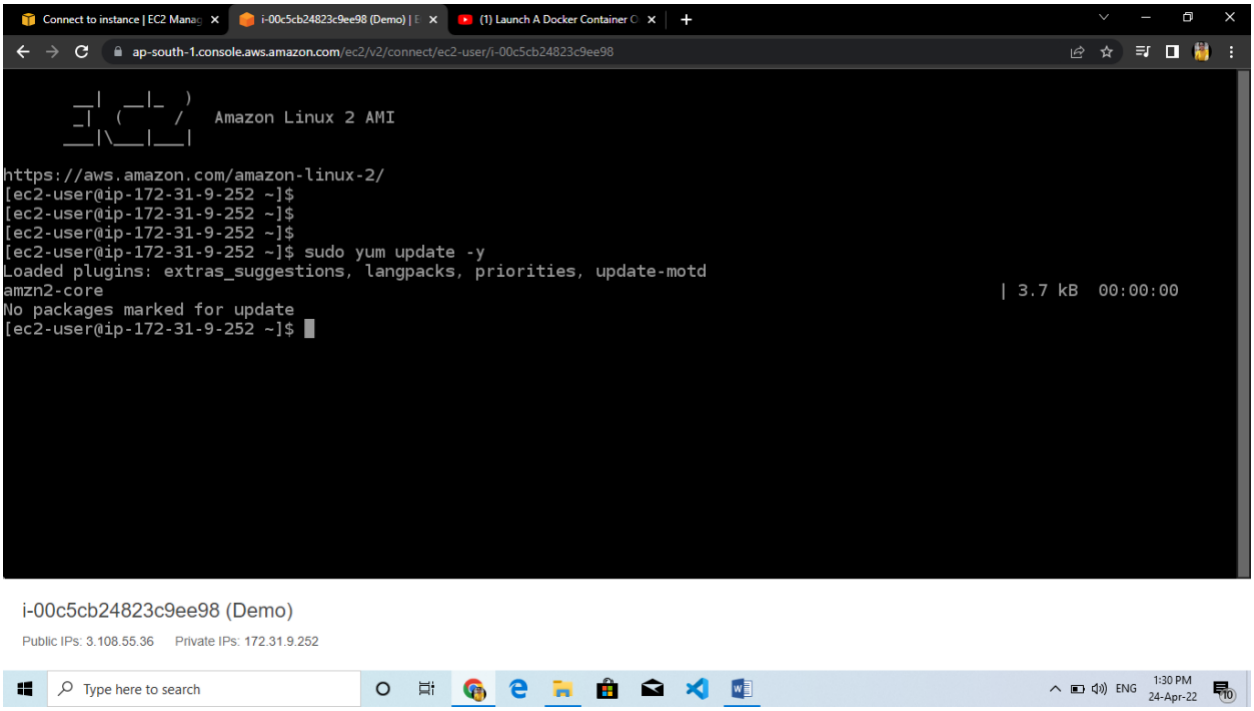
Events
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs New
RAM disk ID
–
Owner
087101800874
Enclaves Support
Disabled
Boot mode
–
Allow tags in instance metadata
Disabled
Use RBN as guest OS hostname
Disabled
Answer RBN DNS hostname IPv4
Enabled
Host and placement group Info
Host ID
–
Affinity
–
Placement group
–
Host resource group name
–
Tenancy
default
Virtualization type
hvm
Reservation
r-0f45d1818c06248b8
Partition number
–
Number of vCPUs
2
Capacity reservation Info
Capacity Reservation ID
–
Capacity Reservation setting
open
Feedback
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences
Type here to search
ENG
2:06 PM
24-Apr-22



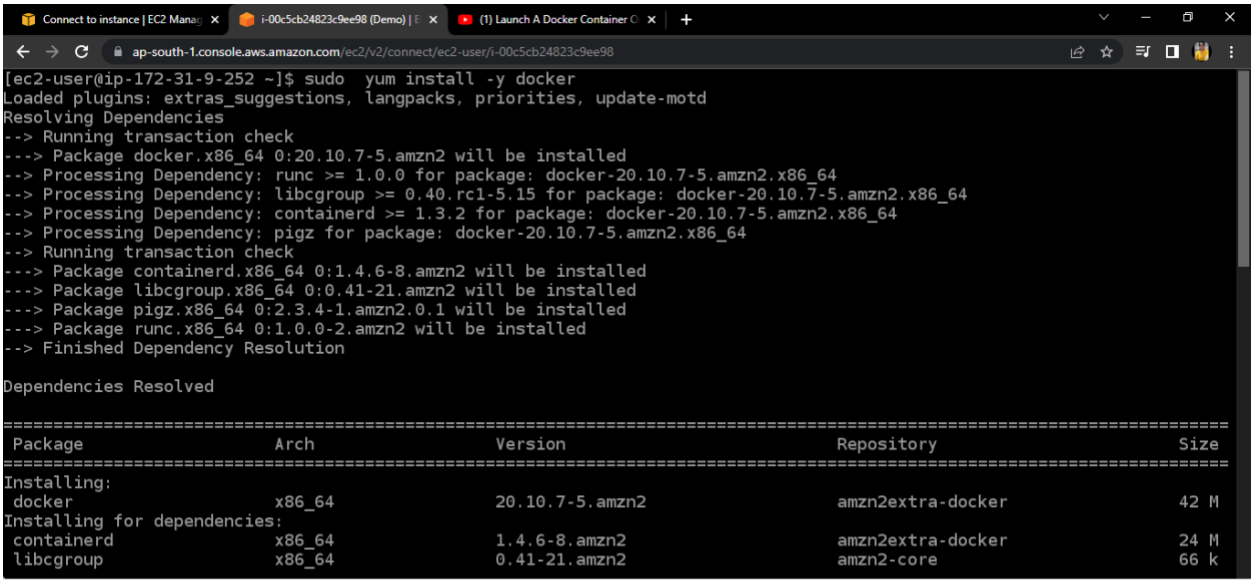
2. **Opening the Amazon Linux Console and updating the all package.**

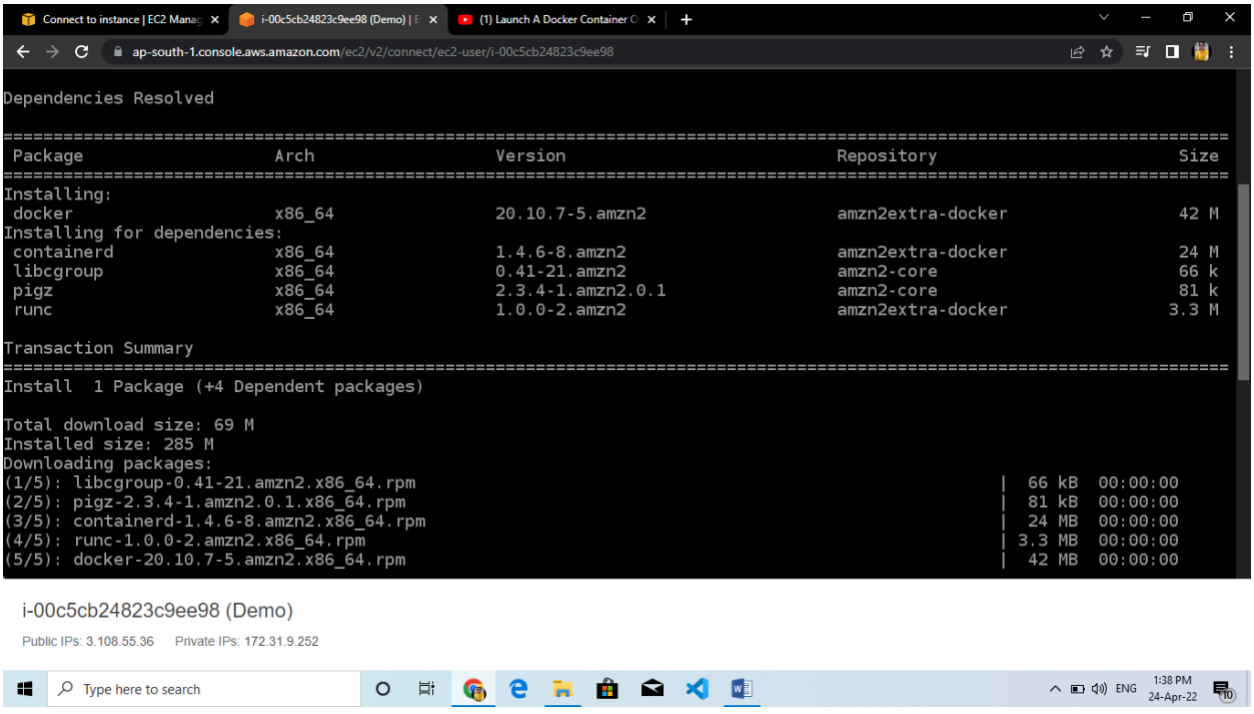
Command : sudo yum update -y

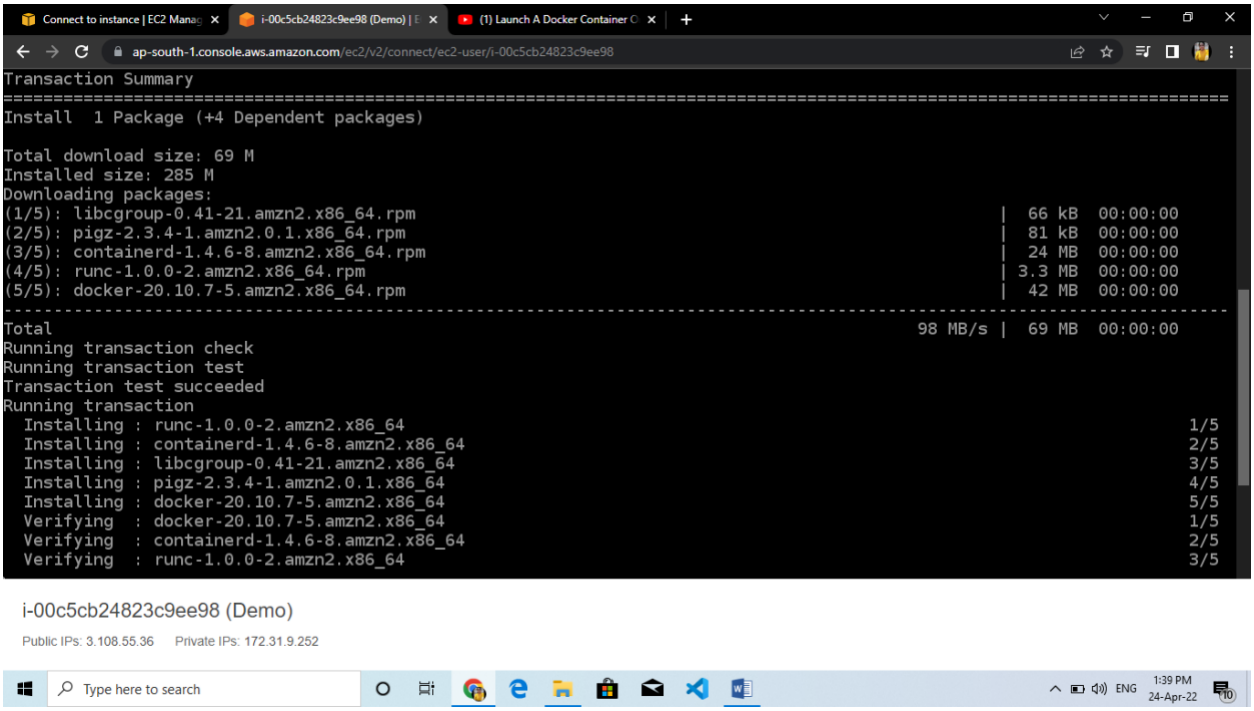


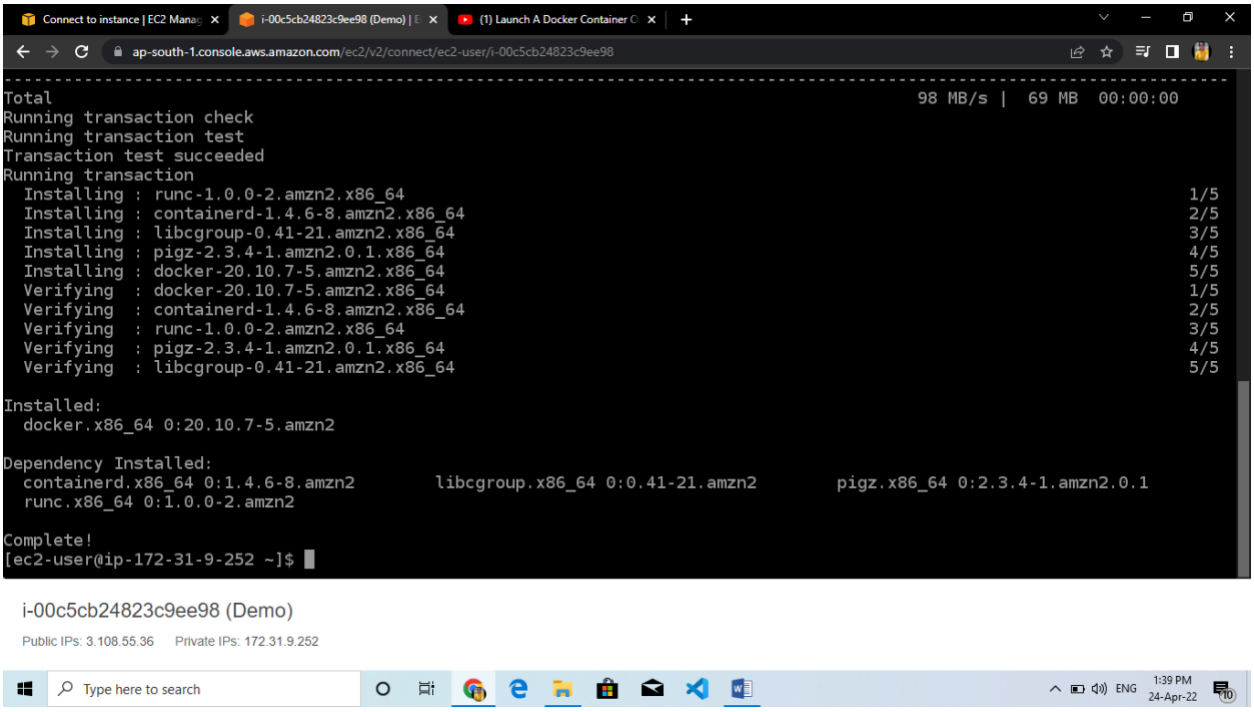
3. Installing the docker.

Command : sudo yum install –y docker


Connect to instance | EC2 Manag
i-00c5cb24823c9ee98 (Demo) | E
(1) Launch A Docker Container C
ap-south-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-00c5cb24823c9ee98
[ec2-user@ip-172-31-9-252 ~]$ sudo yum install -y docker
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package docker.x86_64 0:20.10.7-5.amzn2 will be installed
--> Processing Dependency: runc >= 1.0.0 for package: docker-20.10.7-5.amzn2.x86_64
--> Processing Dependency: libcgroup >= 0.40.rc1-5.15 for package: docker-20.10.7-5.amzn2.x86_64
--> Processing Dependency: containerd >= 1.3.2 for package: docker-20.10.7-5.amzn2.x86_64
--> Processing Dependency: pigz for package: docker-20.10.7-5.amzn2.x86_64
--> Running transaction check
---> Package containerd.x86_64 0:1.4.6-8.amzn2 will be installed
---> Package libcgroup.x86_64 0:0.41-21.amzn2 will be installed
---> Package pigz.x86_64 0:2.3.4-1.amzn2.0.1 will be installed
---> Package runc.x86_64 0:1.0.0-2.amzn2 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
Package Arch Version Repository Size
Installing:
docker x86_64 20.10.7-5.amzn2 amzn2extra-docker 42 M
Installing for dependencies:
containerd x86_64 1.4.6-8.amzn2 amzn2extra-docker 24 M
libcgroup x86_64 0.41-21.amzn2 amzn2-core 66 k
i-00c5cb24823c9ee98 (Demo)
Public IPs: 3.108.55.36 Private IPs: 172.31.9.252
Type here to search
ENG
1:38 PM
24-Apr-22

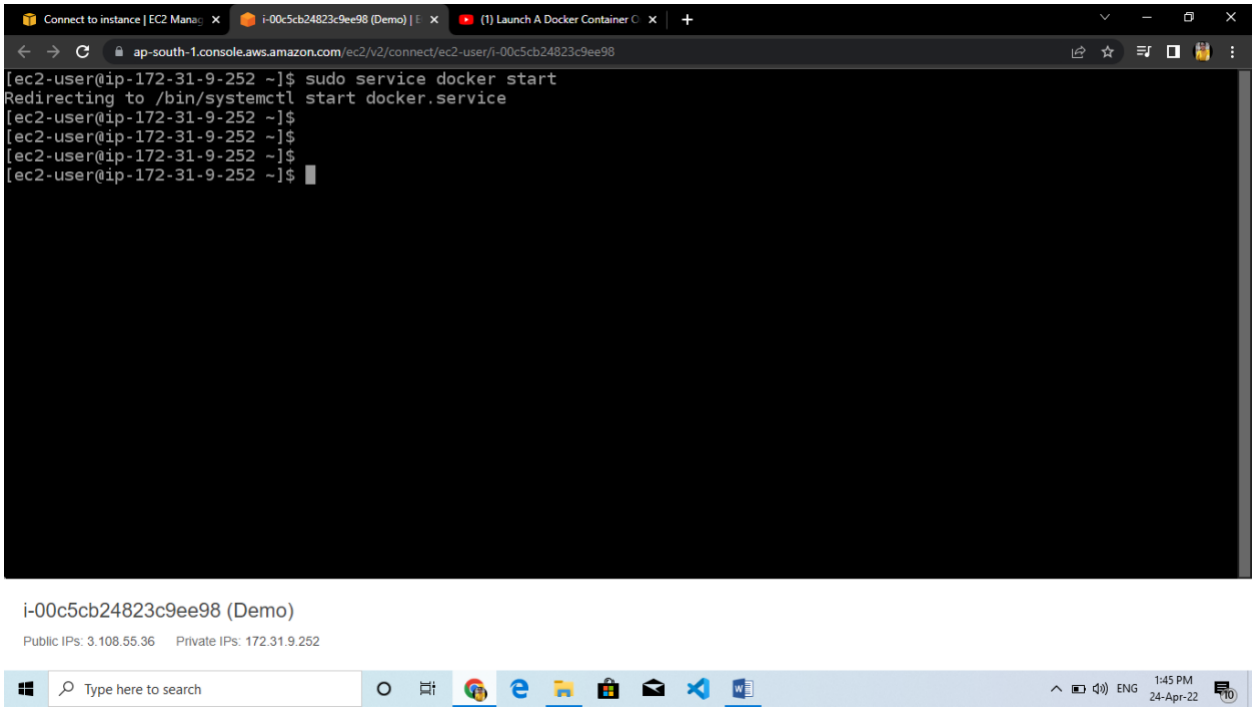

Connect to instance | EC2 Manag
i-00c5cb24823c9ee98 (Demo) | E
(1) Launch A Docker Container C
ap-south-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-00c5cb24823c9ee98
Dependencies Resolved
Package Arch Version Repository Size
Installing:
docker x86_64 20.10.7-5.amzn2 amzn2extra-docker 42 M
Installing for dependencies:
containerd x86_64 1.4.6-8.amzn2 amzn2extra-docker 24 M
libcgroup x86_64 0.41-21.amzn2 amzn2-core 66 k
pigz x86_64 2.3.4-1.amzn2.0.1 amzn2-core 81 k
runc x86_64 1.0.0-2.amzn2 amzn2extra-docker 3.3 M
Transaction Summary
Install 1 Package (+4 Dependent packages)
Total download size: 69 M
Installed size: 285 M
Downloading packages:
(1/5): libcgroup-0.41-21.amzn2.x86_64.rpm | 66 kB 00:00:00
(2/5): pigz-2.3.4-1.amzn2.0.1.x86_64.rpm | 81 kB 00:00:00
(3/5): containerd-1.4.6-8.amzn2.x86_64.rpm | 24 MB 00:00:00
(4/5): runc-1.0.0-2.amzn2.x86_64.rpm | 3.3 MB 00:00:00
(5/5): docker-20.10.7-5.amzn2.x86_64.rpm | 42 MB 00:00:00
i-00c5cb24823c9ee98 (Demo)
Public IPs: 3.108.55.36 Private IPs: 172.31.9.252
Type here to search
ENG
1:38 PM
24-Apr-22



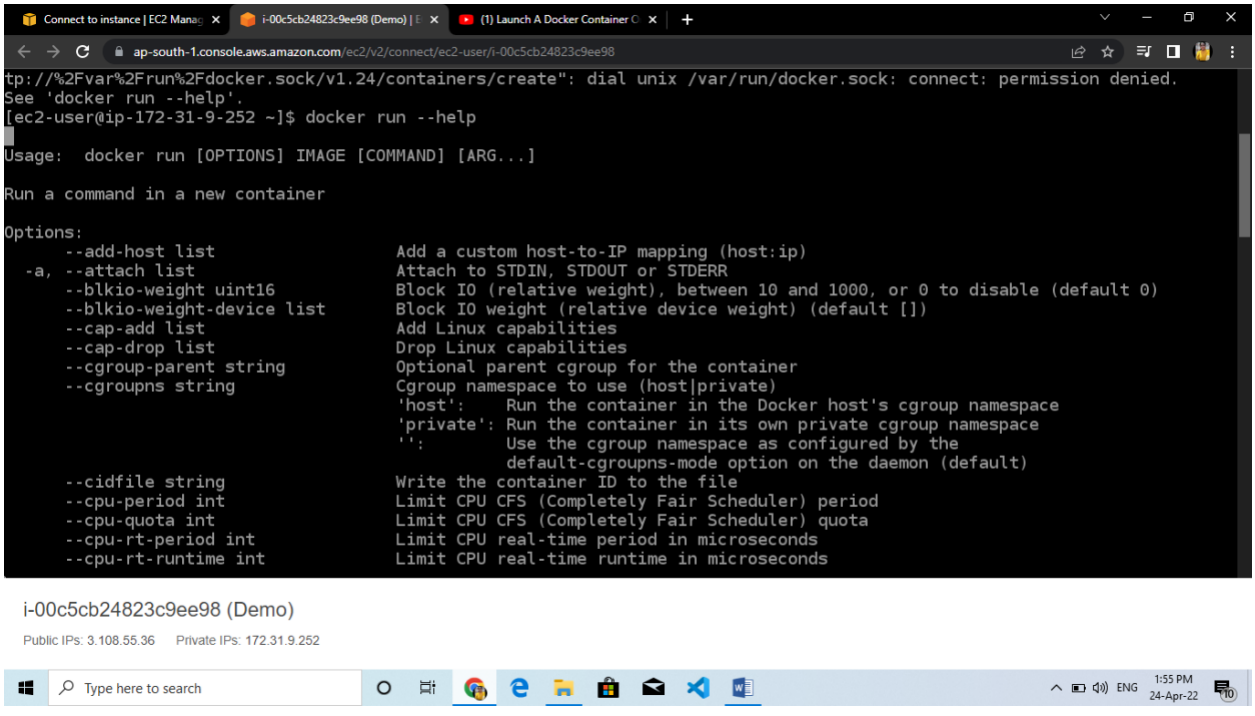


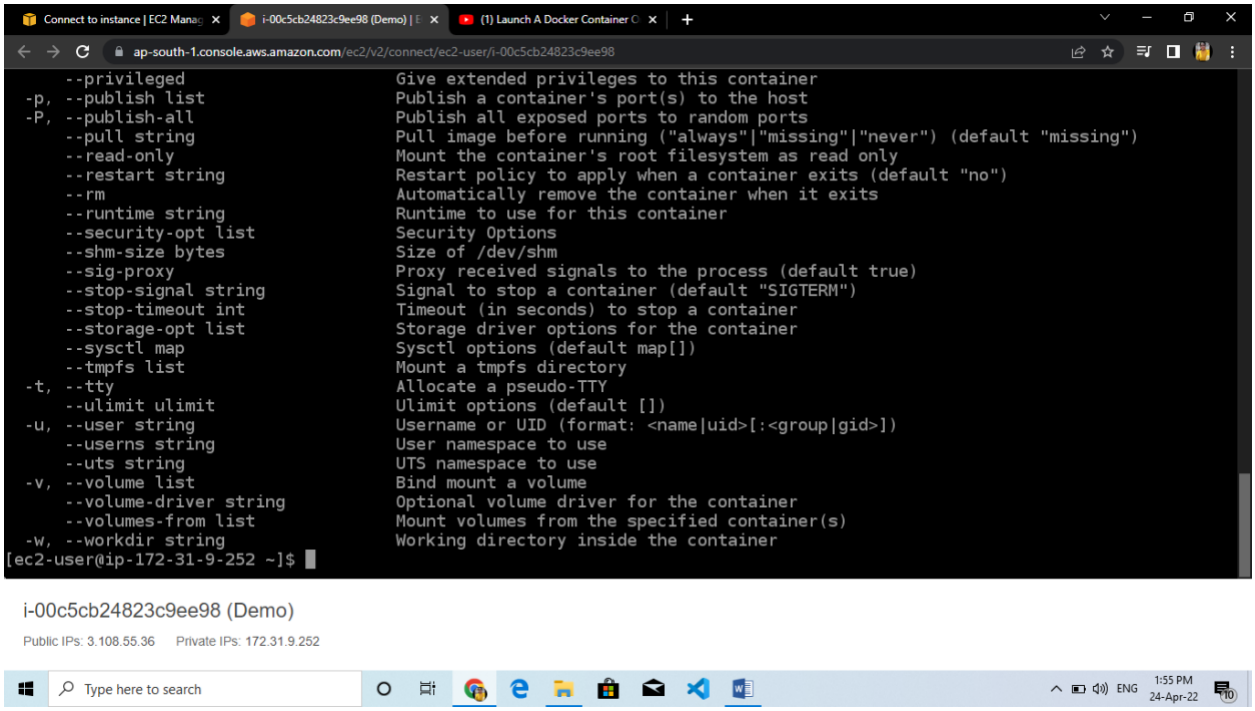
4. Starting the Docker

Command: sudo service docker start



Command : docker run –help




Connect to instance | EC2 Manag
i-00c5cb24823c9ee98 (Demo) | E
(1) Launch A Docker Container C
ap-south-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-00c5cb24823c9ee98
--privileged Give extended privileges to this container
-p, --publish list Publish a container's port(s) to the host
-P, --publish-all Publish all exposed ports to random ports
--pull string Pull image before running ("always"|"missing"|"never") (default "missing")
--read-only Mount the container's root filesystem as read only
--restart string Restart policy to apply when a container exits (default "no")
--rm Automatically remove the container when it exits
--runtime string Runtime to use for this container
--security-opt list Security Options
--shm-size bytes Size of /dev/shm
--sig-proxy Proxy received signals to the process (default true)
--stop-signal string Signal to stop a container (default "SIGTERM")
--stop-timeout int Timeout (in seconds) to stop a container
--storage-opt list Storage driver options for the container
--sysctl map Sysctl options (default map[])
--tmpfs list Mount a tmpfs directory
-t, --tty Allocate a pseudo-TTY
--ulimit ulimit Ulimit options (default [])
-u, --user string Username or UID (format: <name|uid>[:<group|gid>])
--userns string User namespace to use
--uts string UTS namespace to use
-v, --volume list Bind mount a volume
--volume-driver string Optional volume driver for the container
--volumes-from list Mount volumes from the specified container(s)
-w, --workdir string Working directory inside the container
[ec2-user@ip-172-31-9-252 ~]$
i-00c5cb24823c9ee98 (Demo)
Public IPs: 3.108.55.36 Private IPs: 172.31.9.252
Type here to search
ENG
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