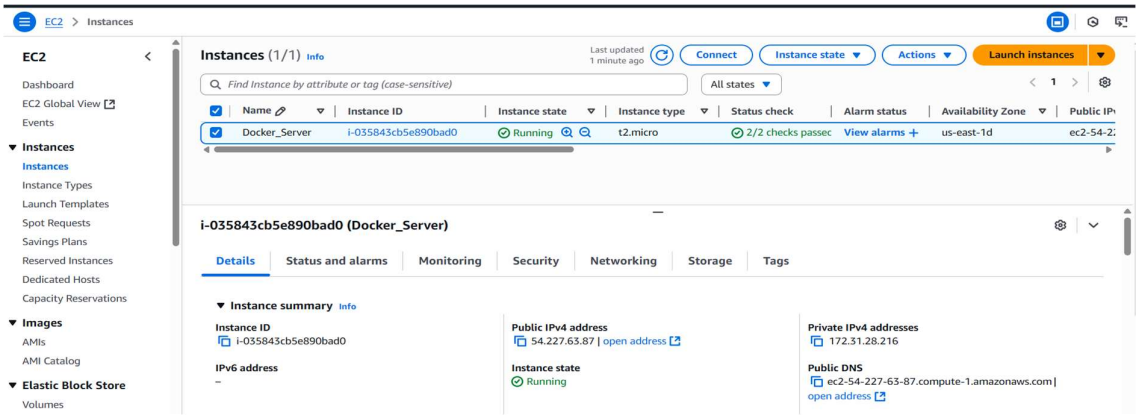
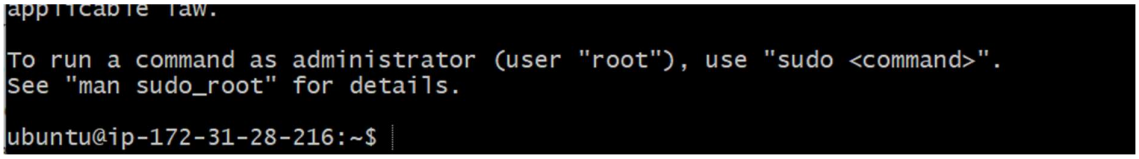
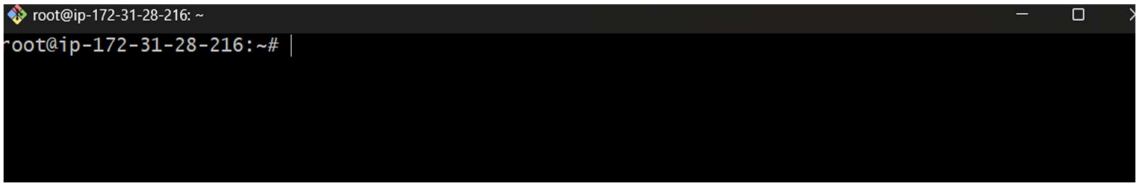
1. **Created EC2 instance:**
   OS: Ubuntu

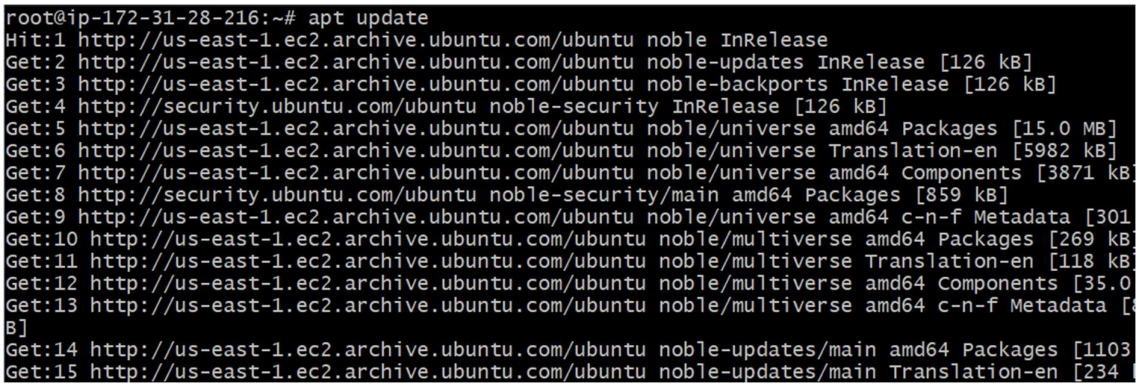


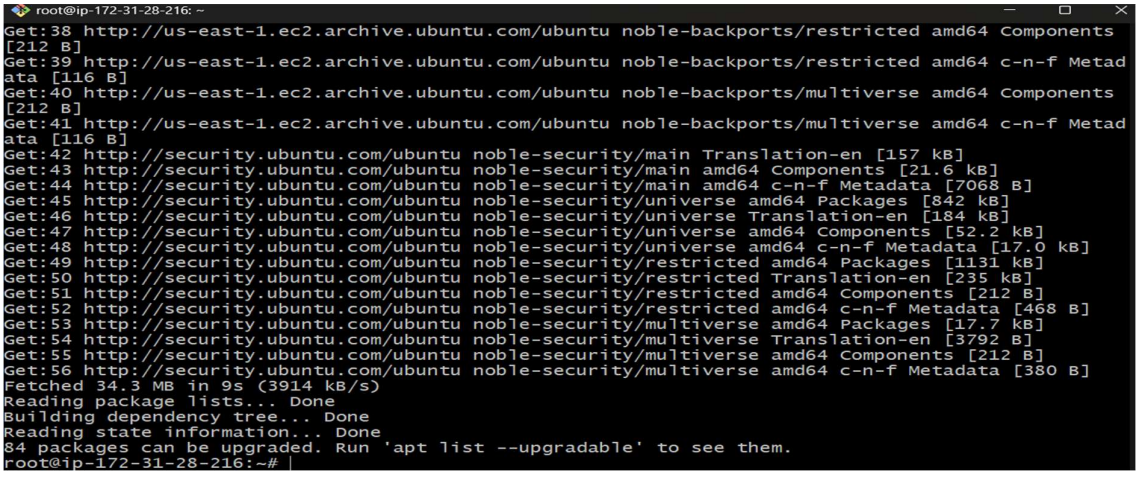
2. **Logging into the server:**





3. **Updating packages:**





4. Installing Docker on EC2:

```
root@ip-172-31-28-216:~# apt install docker.io
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bridge-utils containerd dns-root-data dnsmasq-base pigz runc ubuntu-fan
Suggested packages:
  ifupdown aufs-tools cgroupfs-mount | cgroup-lite debootstrap docker-buildx docker-compose-v2
  docker-doc rinse zfs-fuse | zfsutils
The following NEW packages will be installed:
  bridge-utils containerd dns-root-data dnsmasq-base docker.io pigz runc ubuntu-fan
0 upgraded, 8 newly installed, 0 to remove and 84 not upgraded.
Need to get 78.6 MB of archives.
After this operation, 302 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 k
```

```
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/lib/systemd/system/d
ocker.socket.
Processing triggers for dbus (1.14.10-4ubuntu4.1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-28-216:~#
```

5. Checking running status:

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-28-216:~# docker --version
Docker version 26.1.3, build 26.1.3-0ubuntu1~24.04.1
root@ip-172-31-28-216:~#
```

```
root@ip-172-31-28-216:~# systemctl status docker.service
● docker.service - Docker Application Container Engine
     Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: enabled)
     Active: active (running) since Mon 2025-05-26 05:55:36 UTC; 1min 52s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 1997 (dockerd)
      Tasks: 7
     Memory: 62.0M (peak: 62.3M)
        CPU: 308ms
     CGroup: /system.slice/docker.service
             └─1997 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

May 26 05:55:35 ip-172-31-28-216 systemd[1]: Starting docker.service - Docker Application Contain>
May 26 05:55:35 ip-172-31-28-216 dockerd[1997]: time="2025-05-26T05:55:35.591304733Z" level=info >
May 26 05:55:35 ip-172-31-28-216 dockerd[1997]: time="2025-05-26T05:55:35.592877810Z" level=info >
May 26 05:55:35 ip-172-31-28-216 dockerd[1997]: time="2025-05-26T05:55:35.827596636Z" level=info >
May 26 05:55:36 ip-172-31-28-216 dockerd[1997]: time="2025-05-26T05:55:36.162060035Z" level=info >
May 26 05:55:36 ip-172-31-28-216 dockerd[1997]: time="2025-05-26T05:55:36.204938574Z" level=info >
May 26 05:55:36 ip-172-31-28-216 dockerd[1997]: time="2025-05-26T05:55:36.205059151Z" level=info >
May 26 05:55:36 ip-172-31-28-216 dockerd[1997]: time="2025-05-26T05:55:36.259046554Z" level=info >
May 26 05:55:36 ip-172-31-28-216 systemd[1]: Started docker.service - Docker Application Containe>
lines 1-21/21 (END)
```

```
root@ip-172-31-28-216:~# docker images
REPOSITORY   TAG       IMAGE ID   CREATED   SIZE
root@ip-172-31-28-216:~# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
root@ip-172-31-28-216:~#
```