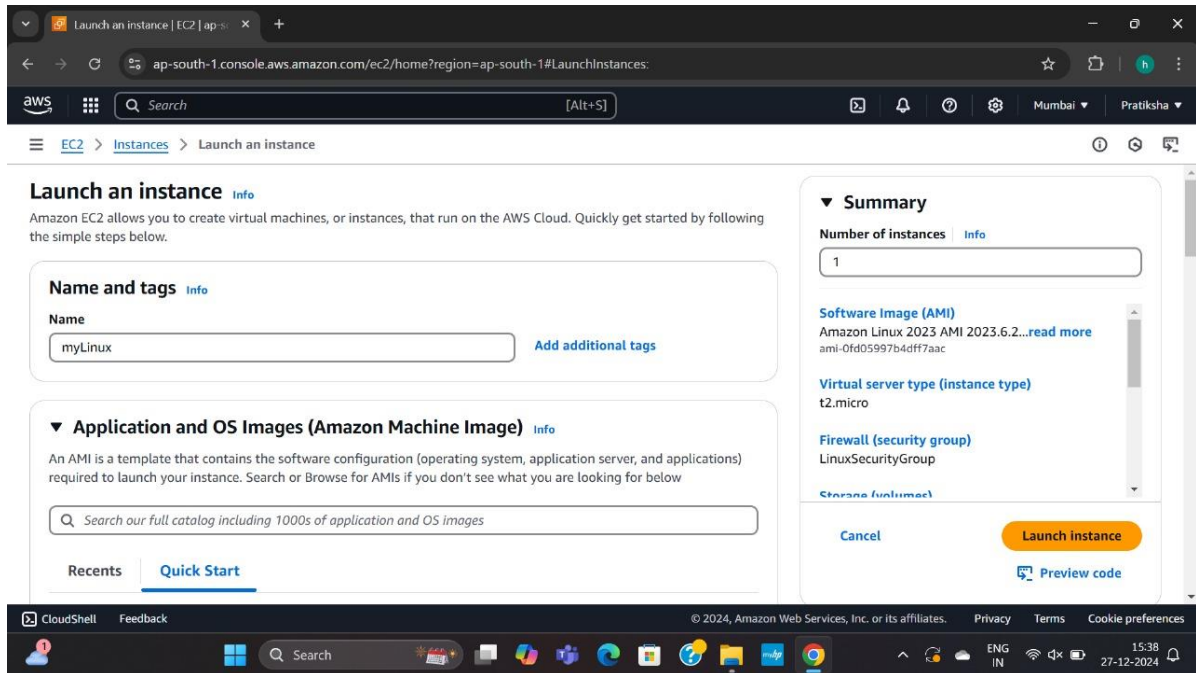


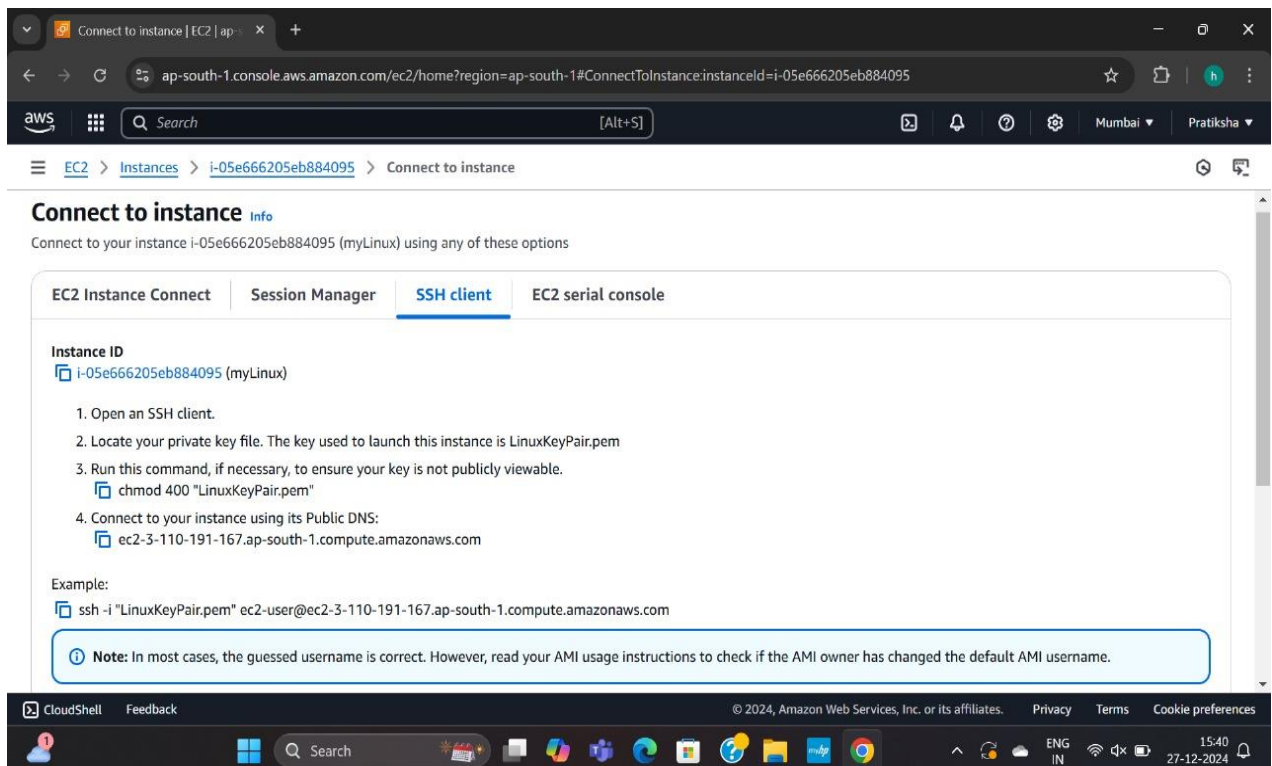
Deploy Static website using docker

Steps:-

-->Launch linux instance

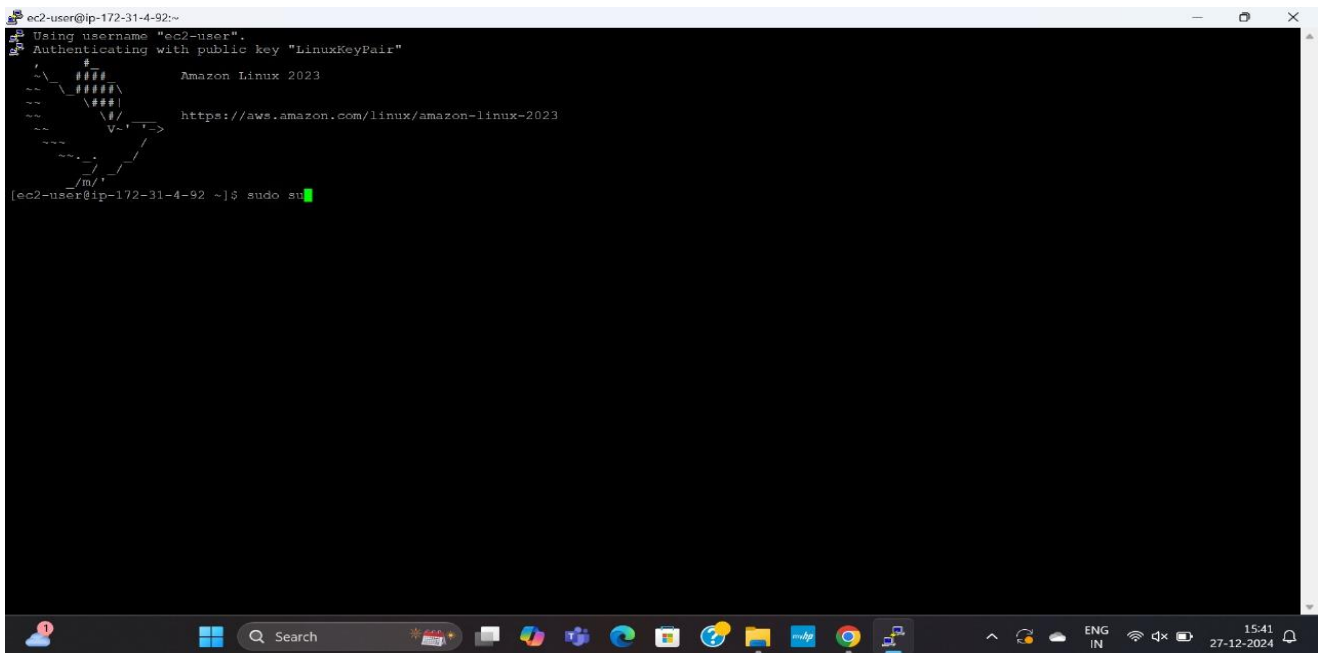


-->Connect with the instance through SSH client

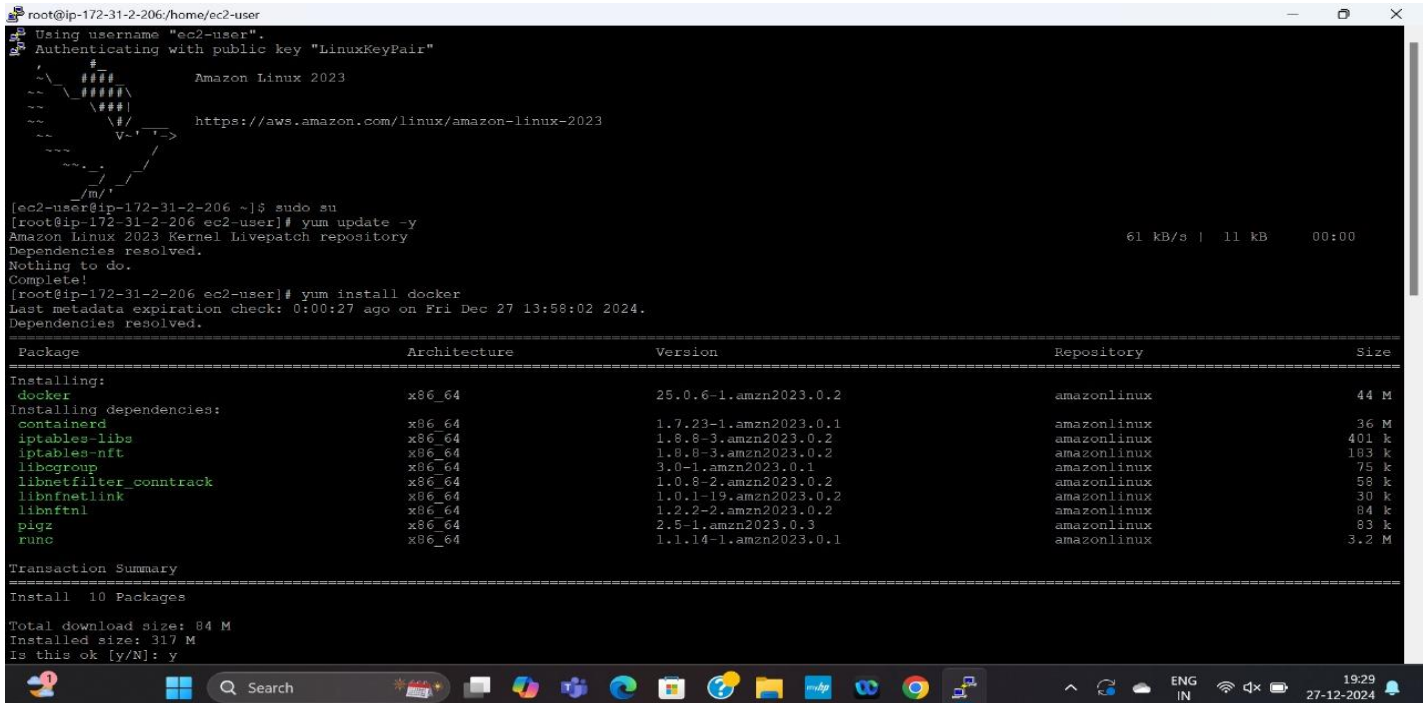


-->Connect the putty and type the first command

sudo su



Yum update -y



Package	Architecture	Version	Repository	Size
Installing:				
docker	x86_64	25.0.6-1.amzn2023.0.2	amazonlinux	44 M
Installing dependencies:				
containerd	x86_64	1.7.23-1.amzn2023.0.1	amazonlinux	36 M
iptables-libs	x86_64	1.8.8-3.amzn2023.0.2	amazonlinux	401 k
iptables-nft	x86_64	1.8.8-3.amzn2023.0.2	amazonlinux	183 k
libbgroup	x86_64	3.0-1.amzn2023.0.1	amazonlinux	75 k
libnetfilter_conntrack	x86_64	1.0.8-2.amzn2023.0.2	amazonlinux	58 k
libnftnl	x86_64	1.0.1-19.amzn2023.0.2	amazonlinux	30 k
libnftnl	x86_64	1.2.2-2.amzn2023.0.2	amazonlinux	84 k
pigz	x86_64	2.5-1.amzn2023.0.3	amazonlinux	83 k
runc	x86_64	1.1.14-1.amzn2023.0.1	amazonlinux	3.2 M

Transaction Summary
Install 10 Packages
Total download size: 84 M
Installed size: 317 M
Is this ok [y/N]: y

Service docker status-->to check status of docker

Press q to quit

Service docker start-->to start docker

Service docker status-->it will show active

Docker images [to list all docker images available in instance]

```
root@ip-172-31-2-206/home/ec2-user
Verifying : runc-1.1.14-1.amzn2023.0.1.x86_64 10/10

Installed:
containerd-1.7.23-1.amzn2023.0.1.x86_64      docker-25.0.6-1.amzn2023.0.2.x86_64      iptables-libs-1.8.8-3.amzn2023.0.2.x86_64
iptables-nft-1.8.8-3.amzn2023.0.2.x86_64    libcgrou-3.0-1.amzn2023.0.1.x86_64      libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64
libnftnl-1.0.1-19.amzn2023.0.2.x86_64      libnftnl-1.2.2-2.amzn2023.0.2.x86_64    pigz-2.5-1.amzn2023.0.3.x86_64
runc-1.1.14-1.amzn2023.0.1.x86_64

Complete!
[root@ip-172-31-2-206 ec2-user]# service docker status
Redirecting to /bin/systemctl status docker.service
o docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; preset: disabled)
   Active: inactive (dead)
   TriggeredBy: o docker.socket
   Docs: https://docs.docker.com
[root@ip-172-31-2-206 ec2-user]# service docker start
Redirecting to /bin/systemctl start docker.service
[root@ip-172-31-2-206 ec2-user]# service docker status
Redirecting to /bin/systemctl status docker.service
* docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; preset: disabled)
   Active: active (running) since Fri 2024-12-27 14:00:05 UTC; 23s ago
   TriggeredBy: * docker.socket
   Docs: https://docs.docker.com
   Process: 26961 ExecStartPre=/bin/mkdir -p /run/docker (code=exited, status=0/SUCCESS)
   Process: 26962 ExecStartPre=/usr/libexec/docker/docker-setup-runtimes.sh (code=exited, status=0/SUCCESS)
   Main PID: 26963 (dockerd)
   Tasks: 7
   Memory: 29.7M
   CPU: 325ms
   CGroup: /system.slice/docker.service
           └─26963 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit nofile=32768:65536

Dec 27 14:00:05 ip-172-31-2-206.ap-south-1.compute.internal systemd[1]: Starting docker.service - Docker Application Container Engine...
Dec 27 14:00:05 ip-172-31-2-206.ap-south-1.compute.internal dockerd[26963]: time="2024-12-27T14:00:05.271428320Z" level=info msg="Starting up"
Dec 27 14:00:05 ip-172-31-2-206.ap-south-1.compute.internal dockerd[26963]: time="2024-12-27T14:00:05.336832514Z" level=info msg="Loading containers: start."
Dec 27 14:00:05 ip-172-31-2-206.ap-south-1.compute.internal dockerd[26963]: time="2024-12-27T14:00:05.811357600Z" level=info msg="Loading containers: done."
Dec 27 14:00:05 ip-172-31-2-206.ap-south-1.compute.internal dockerd[26963]: time="2024-12-27T14:00:05.842899086Z" level=info msg="Docker daemon" commit=b09a
Dec 27 14:00:05 ip-172-31-2-206.ap-south-1.compute.internal dockerd[26963]: time="2024-12-27T14:00:05.843267020Z" level=info msg="Daemon has completed initialization"
Dec 27 14:00:05 ip-172-31-2-206.ap-south-1.compute.internal dockerd[26963]: time="2024-12-27T14:00:05.902842048Z" level=info msg="API listen on /run/docker-
[root@ip-172-31-2-206 ec2-user]# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
```

Search 'docker hub' on google--> search ubuntu and copy the command and paste in putty

command-->docker pull ubuntu

vi index.html [for creating index.html]

```
<h1>Hello from docker</h1>
```

to quit press ecs+ :wq

cat index.html

docker images

vi Dockerfile

```
FROM ubuntu
```

```
RUN apt update -y
```

```
RUN apt-get install apache2 -y
```

```
COPY index.html /var/www/html
```

```
EXPOSE 80
```

```
CMD ["apachectl","-D","FOREGROUND"]
```

Cat Dockerfile

Docker build -t img1:v1 .

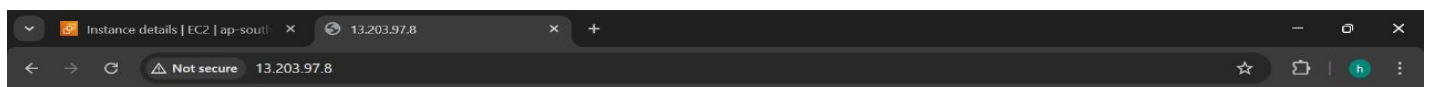
Docker images

Docker run -p 80:80 image id

```
root@ip-172-31-2-206/home/ec2-user
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu latest b1d9df8ab815 5 weeks ago 78.1MB
[root@ip-172-31-2-206 ec2-user]# vi Dockerfile
[root@ip-172-31-2-206 ec2-user]# cat Dockerfile
FROM ubuntu
RUN apt update -y
RUN apt-get install apache2 -y
COPY index.html /var/www/html
COPY home.html /var/www/html
COPY about.html /var/www/html
COPY help.html /var/www/html
COPY contact.html /var/www/html
EXPOSE 80
CMD ["apachectl", "-D", "FOREGROUND"]

[root@ip-172-31-2-206 ec2-user]# docker build -t img1:v1 .
[+] Building 24.8s (13/13) FINISHED
docker:default
--> [internal] load build definition from Dockerfile
--> [internal] load metadata for docker.io/library/ubuntu:latest
--> [internal] load .dockerignore
--> [internal] load build context
--> [internal] transfer context: 2B
--> [1/7] FROM docker.io/library/ubuntu:latest
--> [internal] load build context
--> [internal] transfer context: 1.10MB
--> [2/7] RUN apt update -y
--> [3/7] RUN apt-get install apache2 -y
--> [4/7] COPY index.html /var/www/html
--> [5/7] COPY home.html /var/www/html
--> [6/7] COPY about.html /var/www/html
--> [7/7] COPY help.html /var/www/html
--> [8/7] COPY contact.html /var/www/html
--> exporting to image
--> exporting layers
--> writing image sha256:4c3630cd4b69f7dbf12e520c0d4b69f7dbf12e520c0d4b69f7dbf12e520c0d4b69
--> naming to docker.io/img1:v1
[root@ip-172-31-2-206 ec2-user]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
img1 v1 4c3630cd4b69 26 seconds ago 229MB
ubuntu latest b1d9df8ab815 5 weeks ago 78.1MB
[root@ip-172-31-2-206 ec2-user]# docker run -p 80:80 4c3630cd4b69
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message
```

-->Then copy the public ip of instance and paste in new tab





Welcome to Home Page

[Back to Main Page](#)

