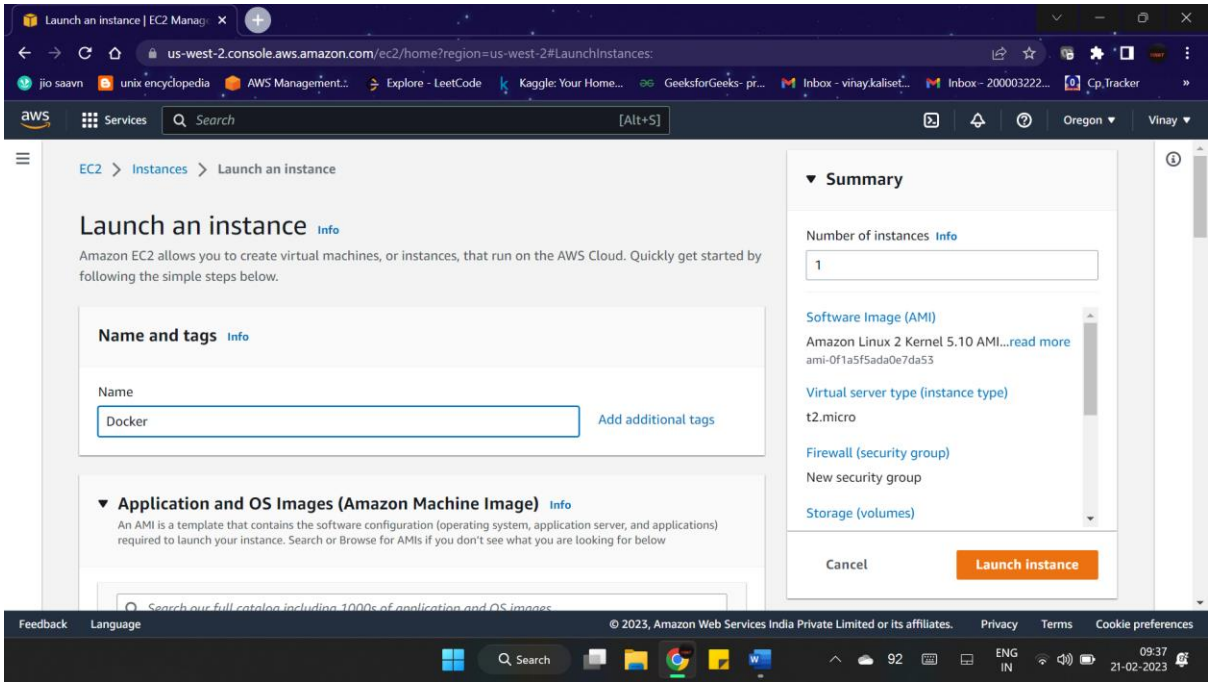
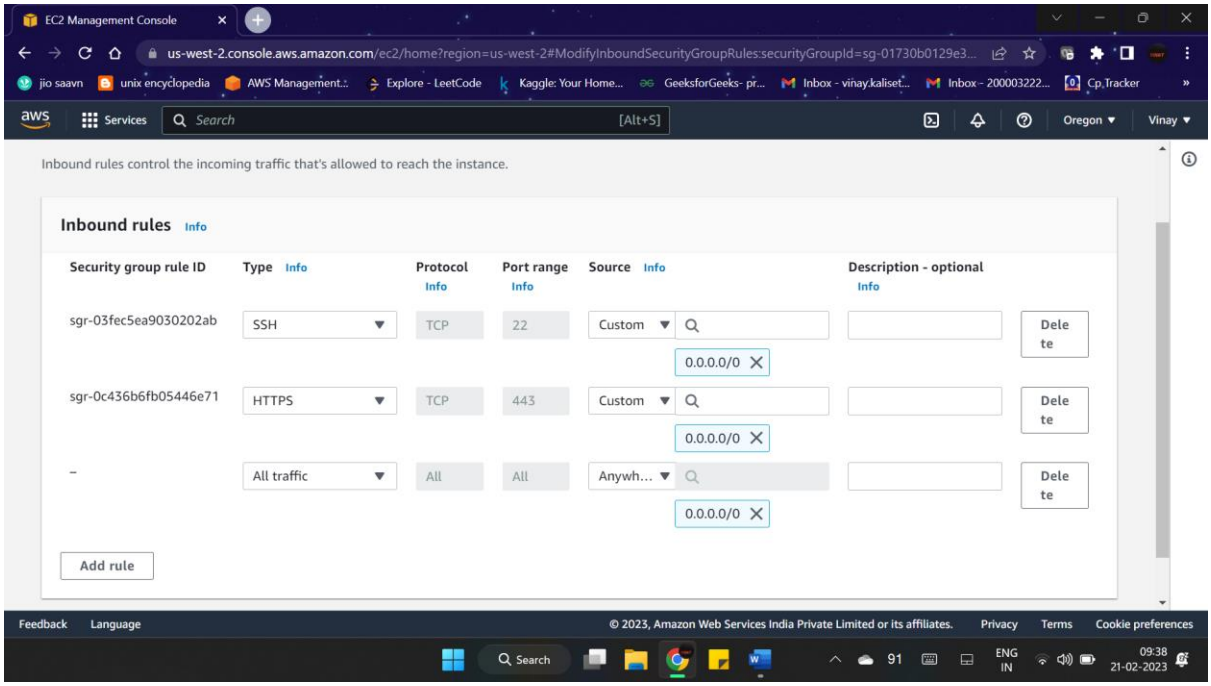
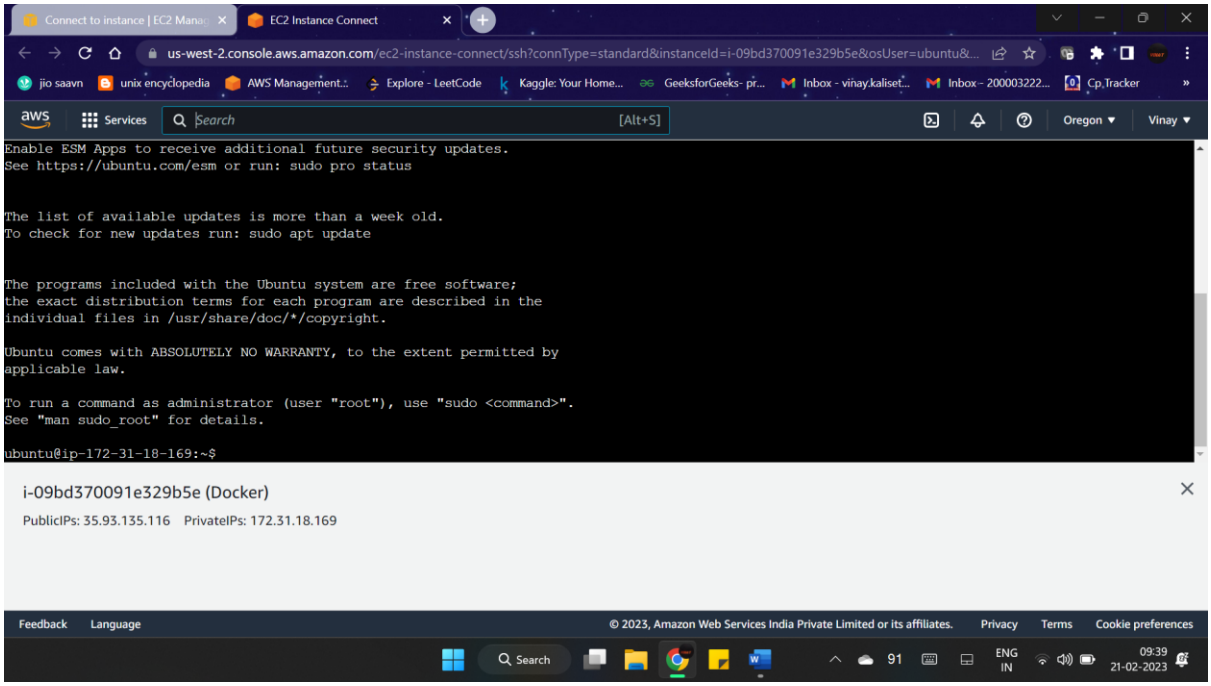
# Static website with Docker




Connect to instance | EC2 Manag
EC2 Instance Connect
us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-09bd370091e329b5e&osUser=ubuntu&...
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Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-18-169:~$
i-09bd370091e329b5e (Docker)
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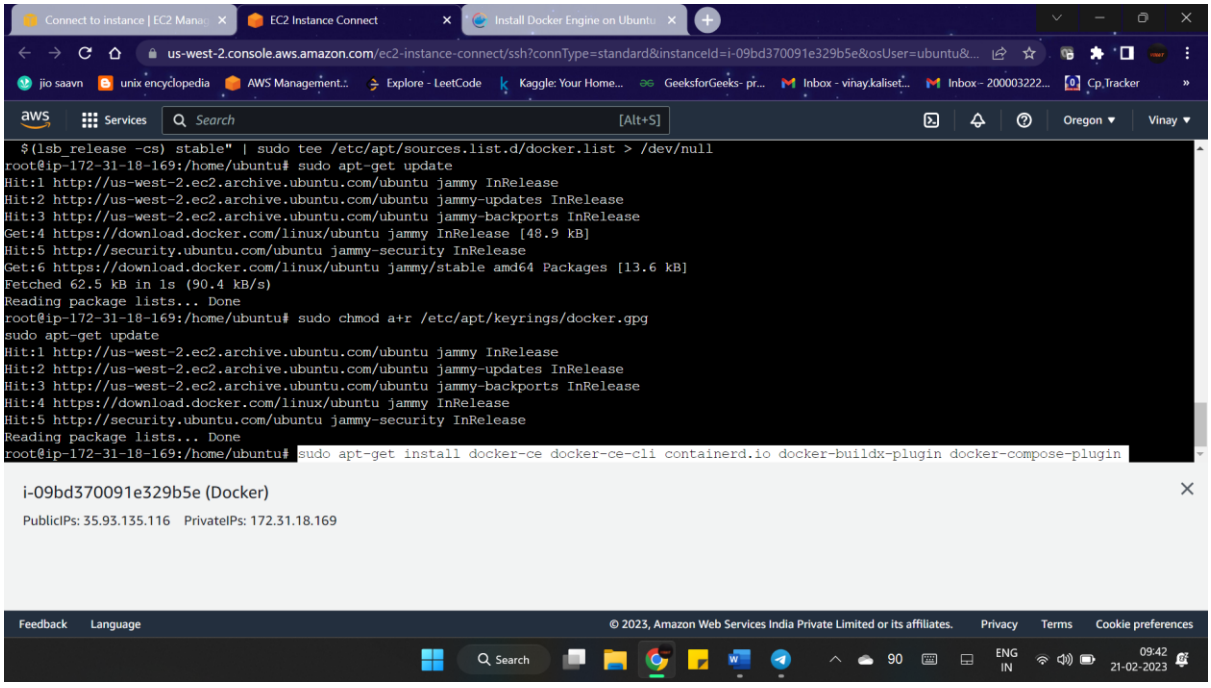
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Install Docker Engine on Ubuntu
us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-09bd370091e329b5e&osUser=ubuntu&...
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$(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
root@ip-172-31-18-169:/home/ubuntu# sudo apt-get update
Hit:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Get:4 https://download.docker.com/linux/ubuntu jammy InRelease [48.9 kB]
Hit:5 http://security.ubuntu.com/ubuntu jammy-security InRelease
Get:6 https://download.docker.com/linux/ubuntu jammy/stable amd64 Packages [13.6 kB]
Fetched 62.5 kB in 1s (90.4 kB/s)
Reading package lists... Done
root@ip-172-31-18-169:/home/ubuntu# sudo chmod a+r /etc/apt/keyrings/docker.gpg
sudo apt-get update
Hit:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 https://download.docker.com/linux/ubuntu jammy InRelease
Hit:5 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
root@ip-172-31-18-169:/home/ubuntu# sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
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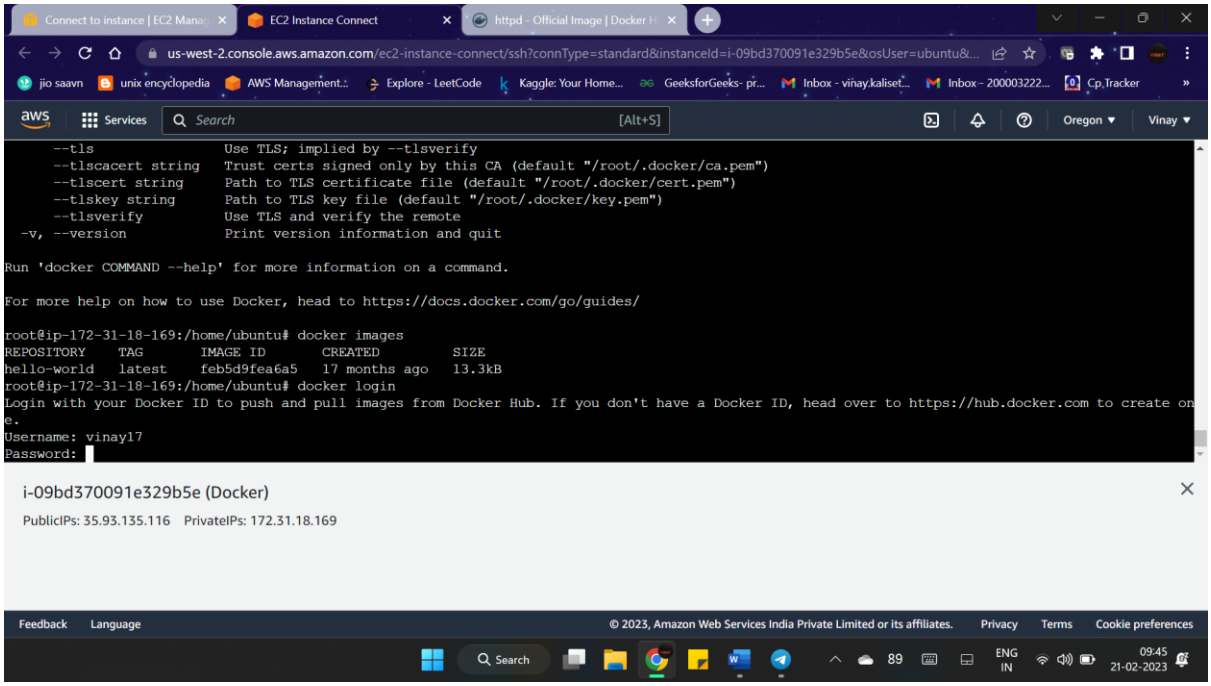
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--tls Use TLS; implied by --tlsverify
--tlscacert string Trust certs signed only by this CA (default "/root/.docker/ca.pem")
--tlscert string Path to TLS certificate file (default "/root/.docker/cert.pem")
--tlskey string Path to TLS key file (default "/root/.docker/key.pem")
--tlsverify Use TLS and verify the remote
-v, --version Print version information and quit
Run 'docker COMMAND --help' for more information on a command.
For more help on how to use Docker, head to https://docs.docker.com/go/guides/
root@ip-172-31-18-169:/home/ubuntu# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
hello-world latest feb5d9fea6a5 17 months ago 13.3kB
root@ip-172-31-18-169:/home/ubuntu# docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create on
e.
Username: vinay17
Password:
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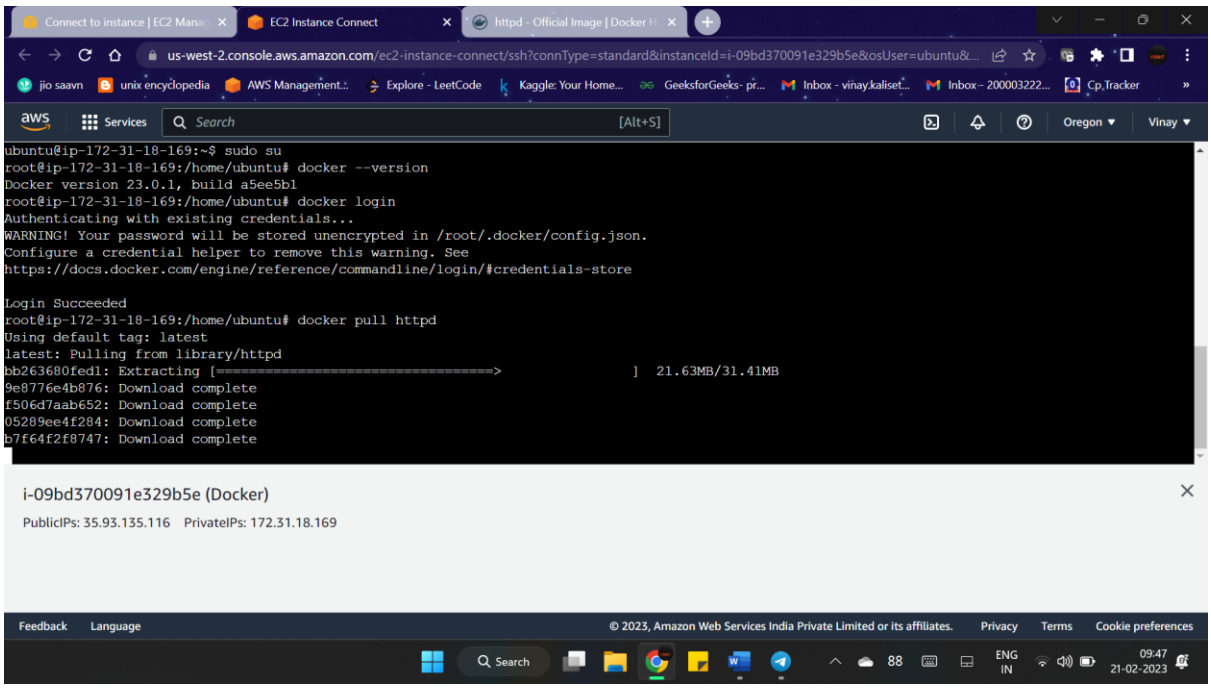
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ubuntu@ip-172-31-18-169:~$ sudo su
root@ip-172-31-18-169:/home/ubuntu# docker --version
Docker version 23.0.1, build a5ee5b1
root@ip-172-31-18-169:/home/ubuntu# docker login
Authenticating with existing credentials...
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
Login Succeeded
root@ip-172-31-18-169:/home/ubuntu# docker pull httpd
Using default tag: latest
latest: Pulling from library/httpd
bb263680fed1: Extracting [==========> ] 21.63MB/31.41MB
9e8776e4b876: Download complete
f506d7aab652: Download complete
05289ee4f284: Download complete
b7f64f2f8747: Download complete
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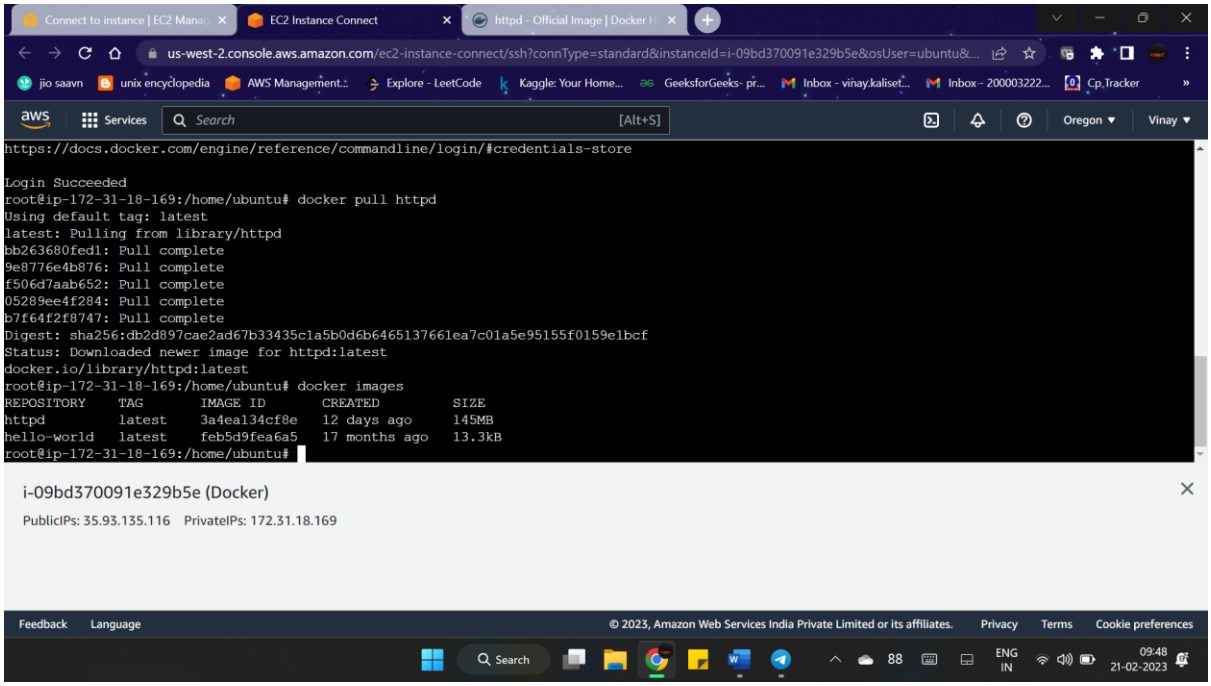
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https://docs.docker.com/engine/reference/commandline/login/#credentials-store
Login Succeeded
root@ip-172-31-18-169:/home/ubuntu# docker pull httpd
Using default tag: latest
latest: Pulling from library/httpd
bb263680fed1: Pull complete
9e8776e4b876: Pull complete
f506d7aab652: Pull complete
05289ee4f284: Pull complete
b7f64f2f8747: Pull complete
Digest: sha256:db2d897cae2ad67b33435c1a5b0d6b6465137661ea7c01a5e95155f0159e1bcf
Status: Downloaded newer image for httpd:latest
docker.io/library/httpd:latest
root@ip-172-31-18-169:/home/ubuntu# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
httpd latest 3a4ea134cf8e 12 days ago 145MB
hello-world latest feb5d9fea6a5 17 months ago 13.3kB
root@ip-172-31-18-169:/home/ubuntu#
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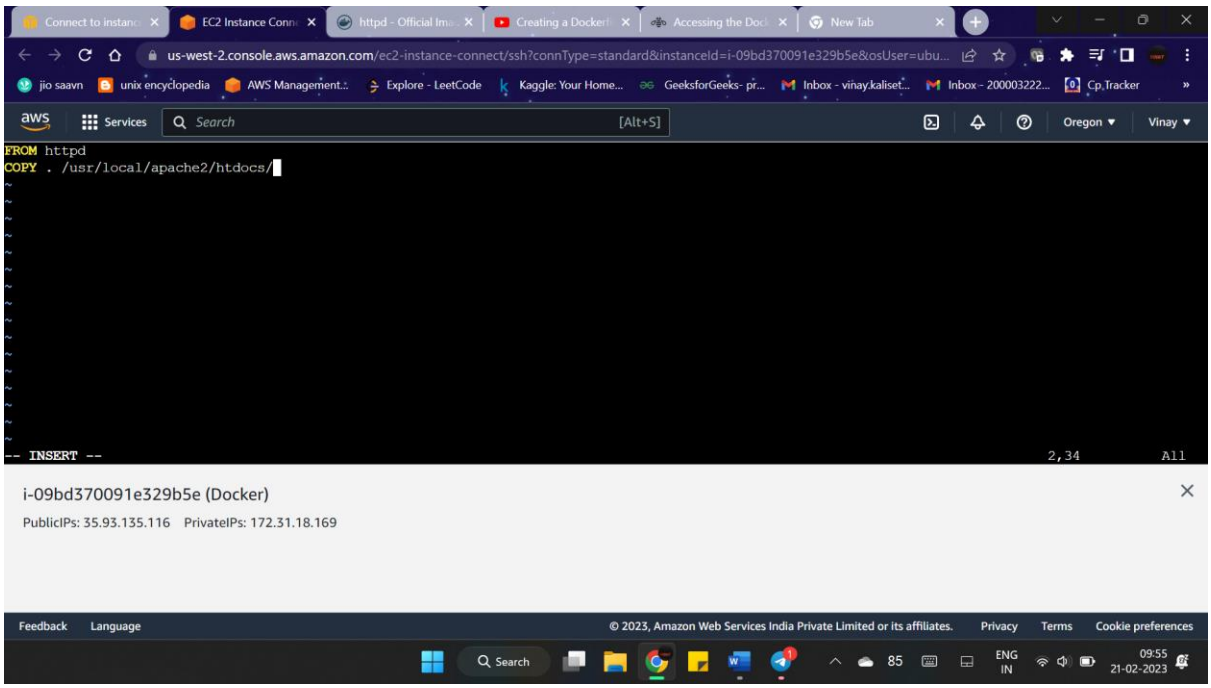
EC2 Instance Conn
httpd - Official Ima
Creating a Docker
Accessing the Doc
New Tab
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FROM httpd
COPY . /usr/local/apache2/htdocs/
-- INSERT --
2,34
All
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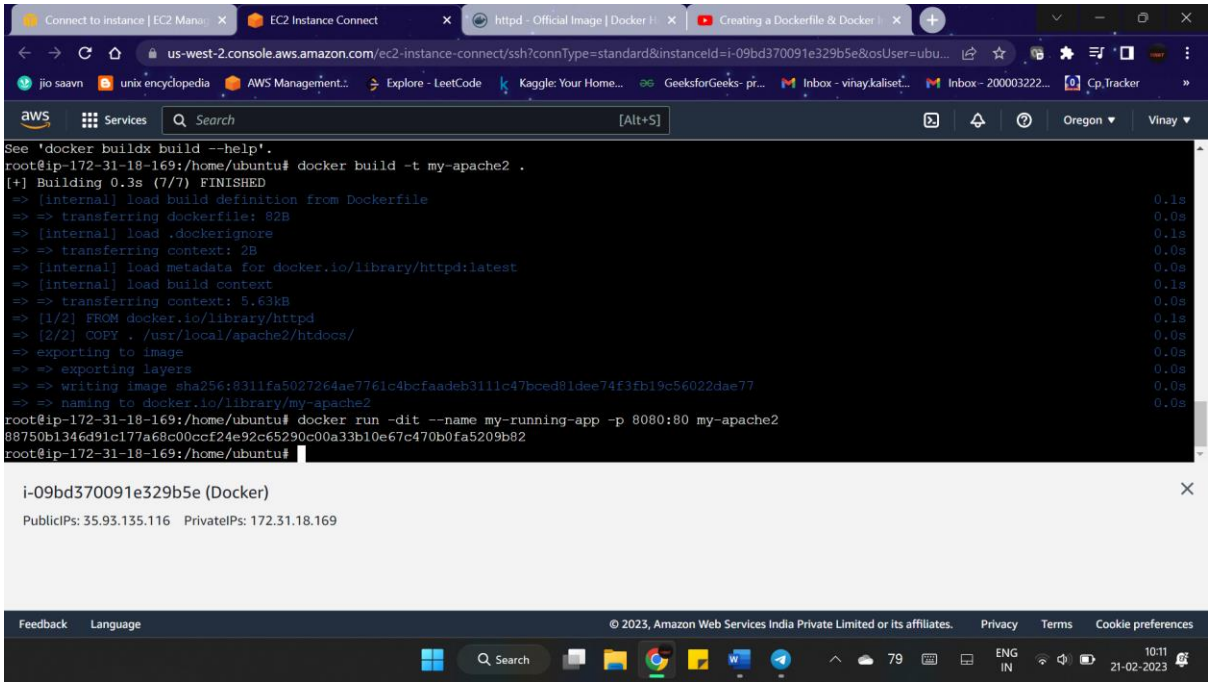
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See 'docker buildx build --help'.
root@ip-172-31-18-169:/home/ubuntu# docker build -t my-apache2 .
[+] Building 0.3s (7/7) FINISHED
=> [internal] load build definition from Dockerfile 0.1s
=> => transferring dockerfile: 82B 0.0s
=> [internal] load .dockerignore 0.1s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/httpd:latest 0.0s
=> [internal] load build context 0.1s
=> => transferring context: 5.63kB 0.0s
=> [1/2] FROM docker.io/library/httpd 0.1s
=> [2/2] COPY . /usr/local/apache2/htdocs/ 0.0s
=> exporting to image 0.0s
=> => exporting layers 0.0s
=> => writing image sha256:8311fa5027264ae7761c4bcfaadeb3111c47bced81dee74f3fb19c56022dae77 0.0s
=> => naming to docker.io/library/my-apache2 0.0s
root@ip-172-31-18-169:/home/ubuntu# docker run -dit --name my-running-app -p 8080:80 my-apache2
88750b1346d91c177a68c00ccf24e92c65290c00a33b10e67c470b0fa5209b82
root@ip-172-31-18-169:/home/ubuntu#
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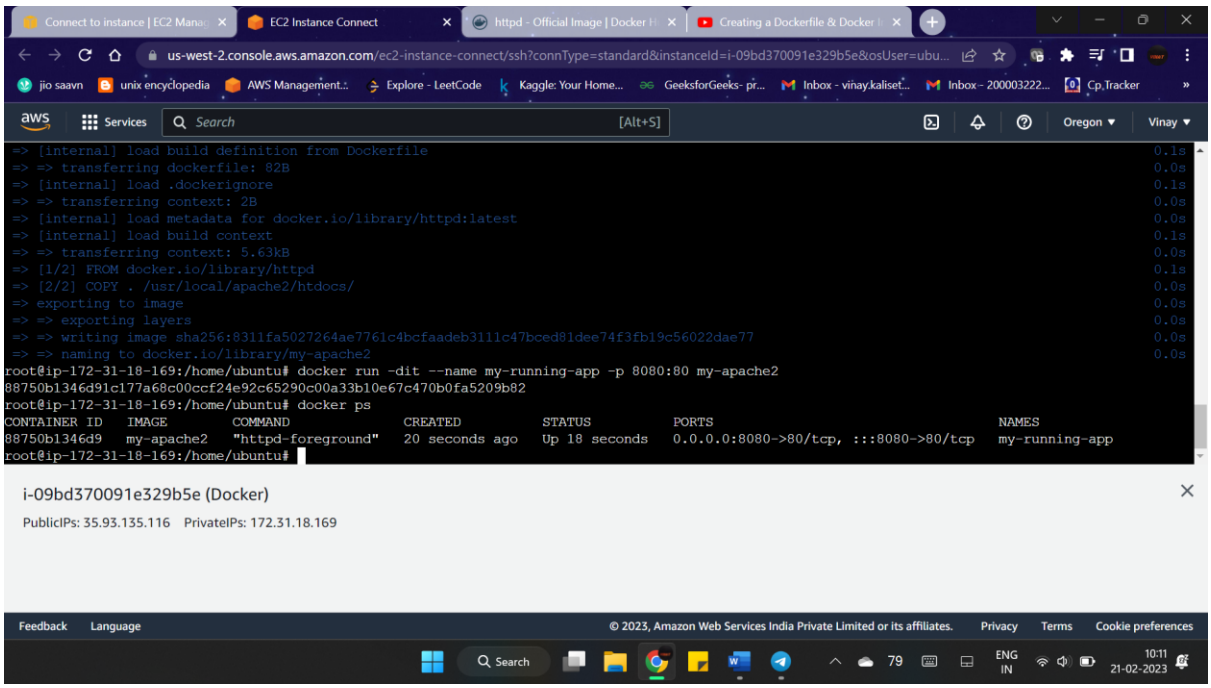
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=> [internal] load build definition from Dockerfile 0.1s
=> => transferring dockerfile: 82B 0.0s
=> [internal] load .dockerignore 0.1s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/httpd:latest 0.0s
=> [internal] load build context 0.1s
=> => transferring context: 5.63kB 0.0s
=> [1/2] FROM docker.io/library/httpd 0.1s
=> [2/2] COPY . /usr/local/apache2/htdocs/ 0.0s
=> exporting to image 0.0s
=> => exporting layers 0.0s
=> => writing image sha256:8311fa5027264ae7761c4bcfaadeb3111c47bced81dee74f3fb19c56022dae77 0.0s
=> => naming to docker.io/library/my-apache2 0.0s
root@ip-172-31-18-169:/home/ubuntu# docker run -dit --name my-running-app -p 8080:80 my-apache2
88750b1346d91c177a68c00ccf24e92c65290c00a33b10e67c470b0fa5209b82
root@ip-172-31-18-169:/home/ubuntu# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
88750b1346d9 my-apache2 "httpd-foreground" 20 seconds ago Up 18 seconds 0.0.0.0:8080->80/tcp, :::8080->80/tcp my-running-app
root@ip-172-31-18-169:/home/ubuntu#
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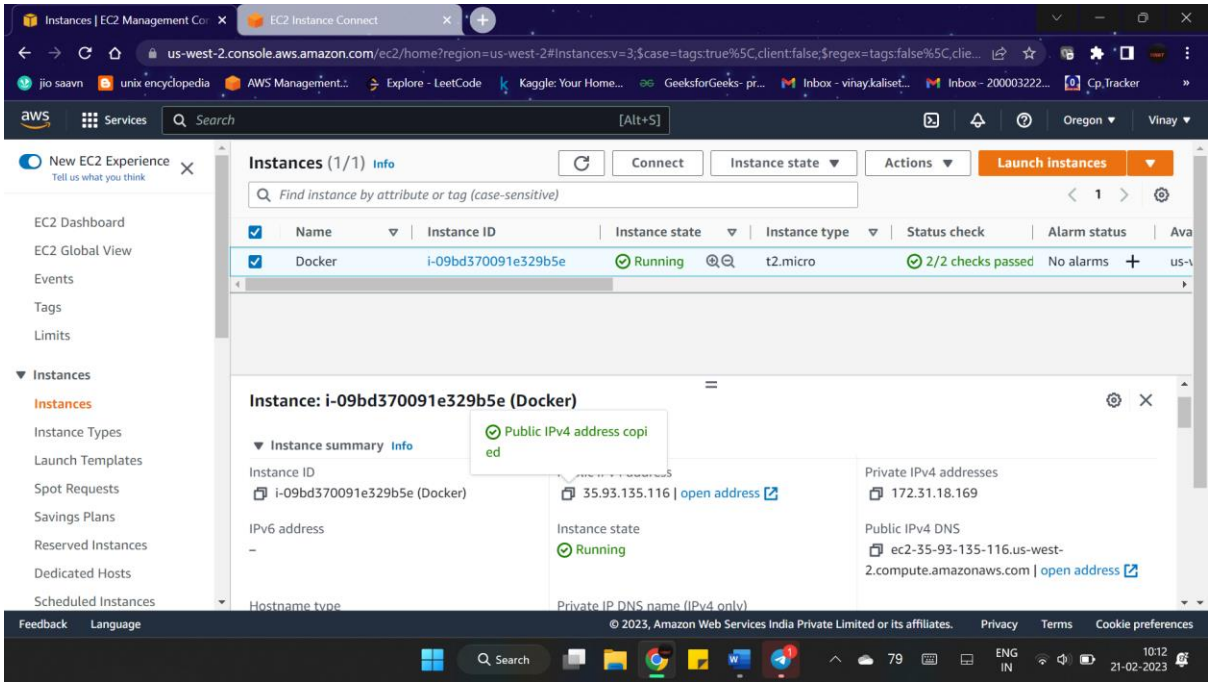
Instances | EC2 Management Cor
EC2 Instance Connect
us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,clie...
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Reserved Instances
Dedicated Hosts
Scheduled Instances
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Docker
i-09bd370091e329b5e
Running
t2.micro
2/2 checks passed
No alarms
Instance: i-09bd370091e329b5e (Docker)
Public IPv4 address copied
Instance summary Info
Instance ID
i-09bd370091e329b5e (Docker)
35.93.135.116 | open address
Private IPv4 addresses
172.31.18.169
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-35-93-135-116.us-west-2.compute.amazonaws.com | open address
Hostname type
Private IP DNS name (IPv4 only)
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