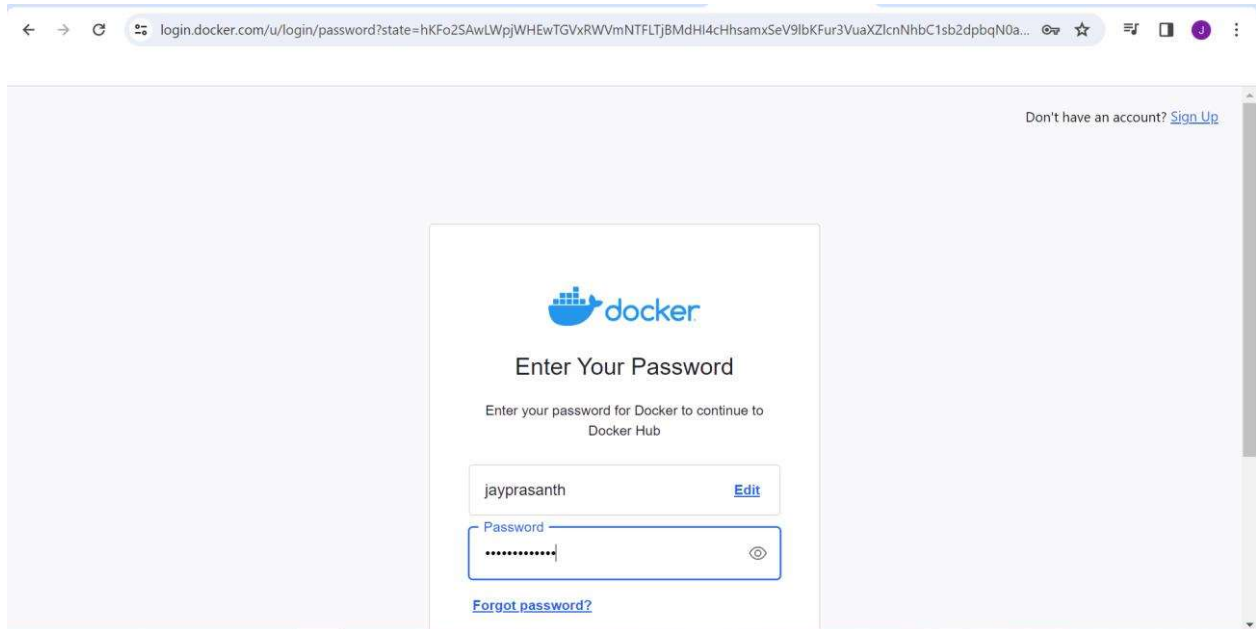


DOCKER

NAME: JAYPRASANTH S

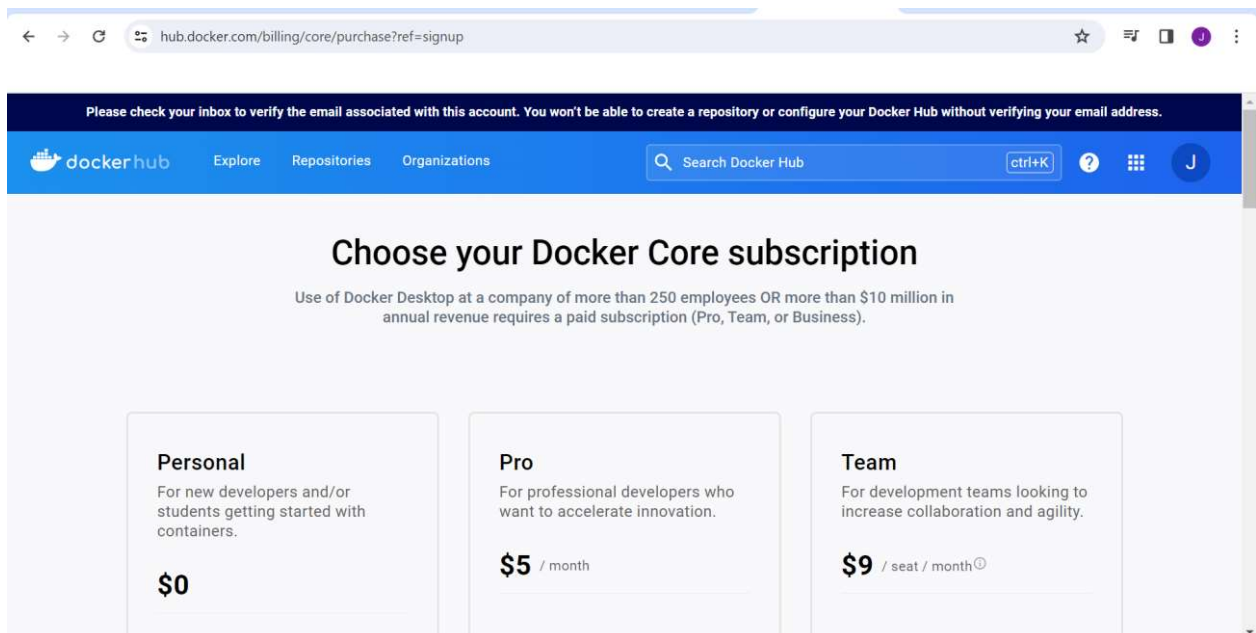
ACE ID: ACE11697

1. Create an account in docker hub



The screenshot shows the Docker Hub login page in a web browser. The address bar displays the URL: `login.docker.com/u/login/password?state=hKfo2SawLWpjWHEwTGVxRWVmNTFLTJBMdHI4cHhsamxSeV9lbKfur3VuaXZlcnNhbc1sb2dpbqN0a...`. The page has a light purple background. In the top right corner, there is a link: "Don't have an account? [Sign Up](#)". The main content area features the Docker logo (a blue ship icon) and the text "Enter Your Password". Below this, it says "Enter your password for Docker to continue to Docker Hub". There are two input fields: the first contains the username "jayprasanth" with an "Edit" link to its right; the second is labeled "Password" and contains masked characters "*****" with an eye icon to its right. At the bottom of the form, there is a link: "[Forgot password?](#)".

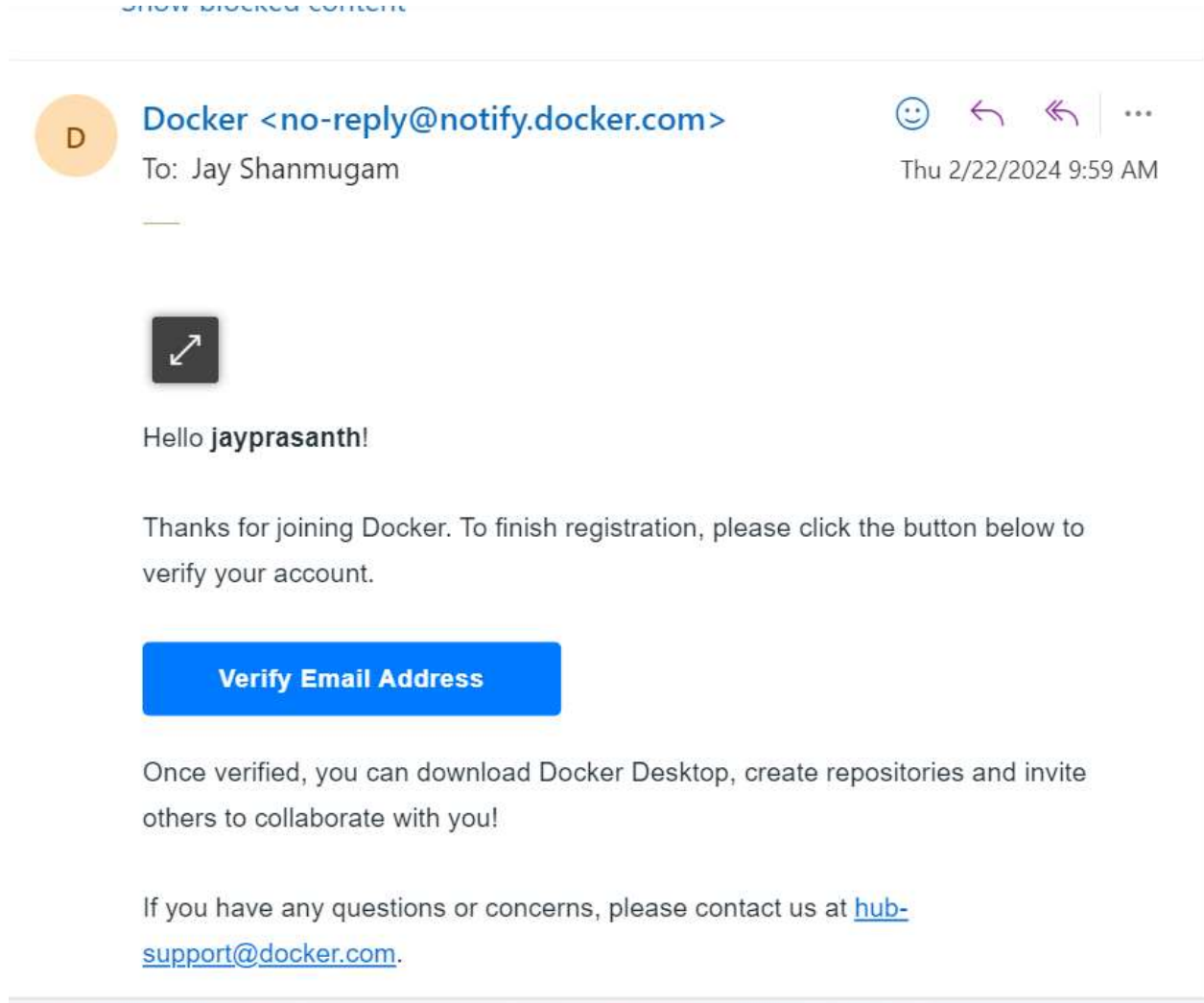
2. It created



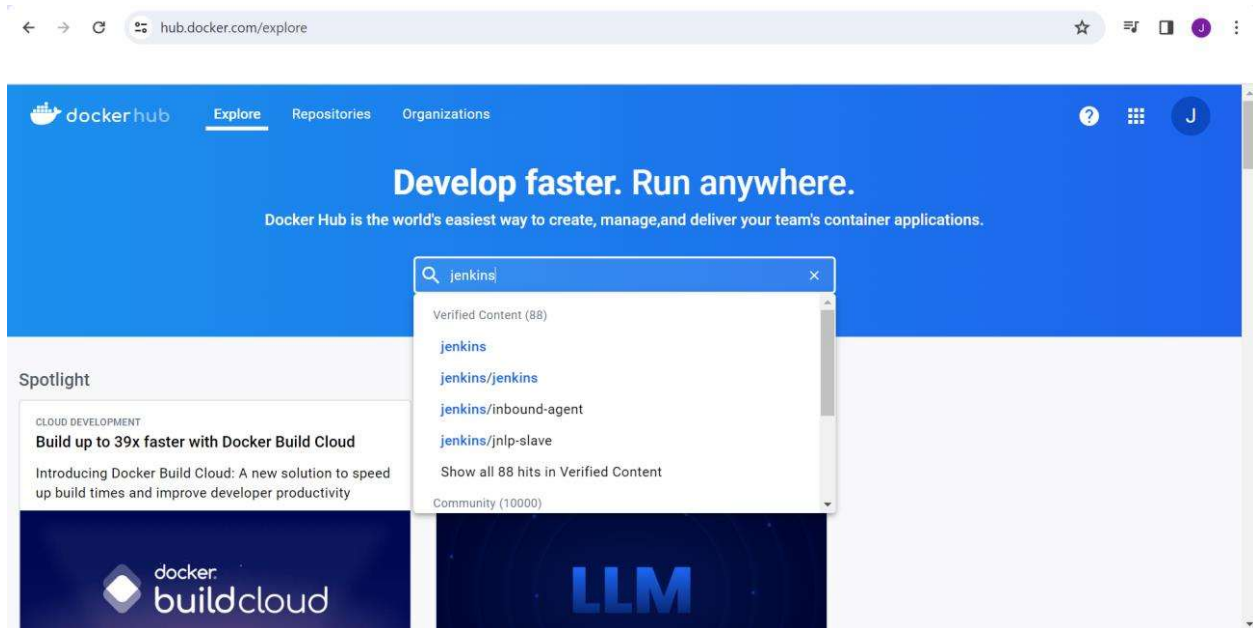
The screenshot shows the Docker Hub subscription page. The address bar displays the URL: `hub.docker.com/billing/core/purchase?ref=signup`. A dark blue banner at the top contains the text: "Please check your inbox to verify the email associated with this account. You won't be able to create a repository or configure your Docker Hub without verifying your email address." Below the banner is a navigation bar with the Docker Hub logo, links for "Explore", "Repositories", and "Organizations", a search bar with the placeholder "Search Docker Hub", and a "ctrl+K" shortcut. The main heading is "Choose your Docker Core subscription". Below this, a note states: "Use of Docker Desktop at a company of more than 250 employees OR more than \$10 million in annual revenue requires a paid subscription (Pro, Team, or Business)." There are three subscription options presented in white boxes with grey borders:

Personal	Pro	Team
For new developers and/or students getting started with containers.	For professional developers who want to accelerate innovation.	For development teams looking to increase collaboration and agility.
\$0	\$5 / month	\$9 / seat / month [Ⓢ]

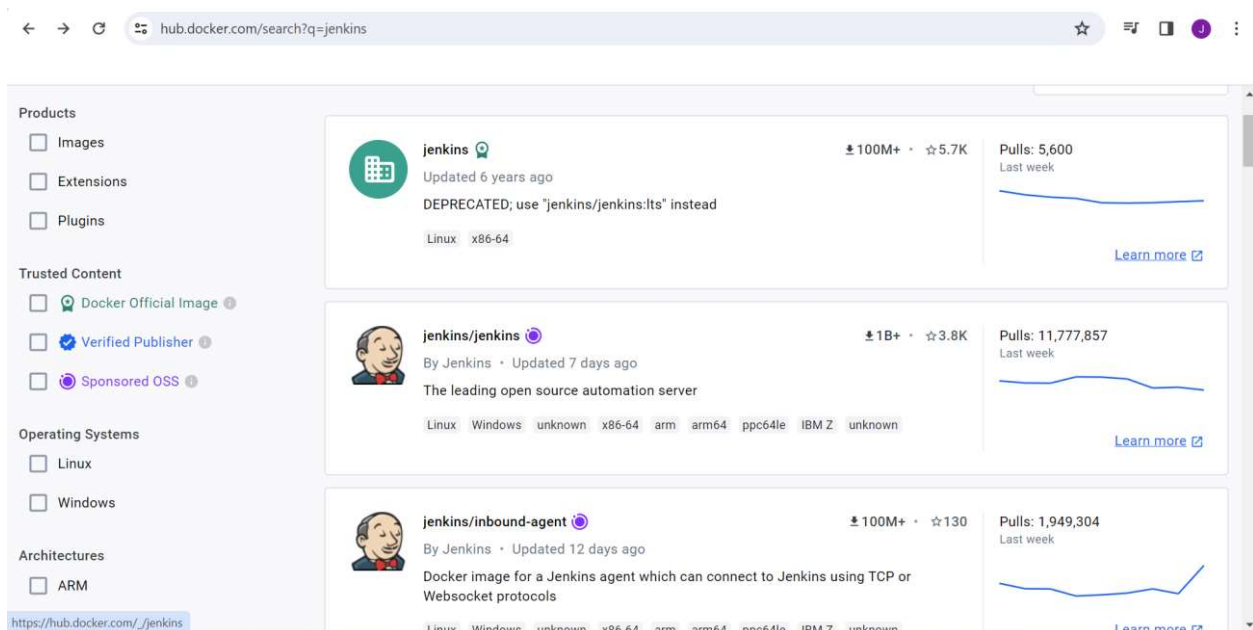
3. Verify email for docker account



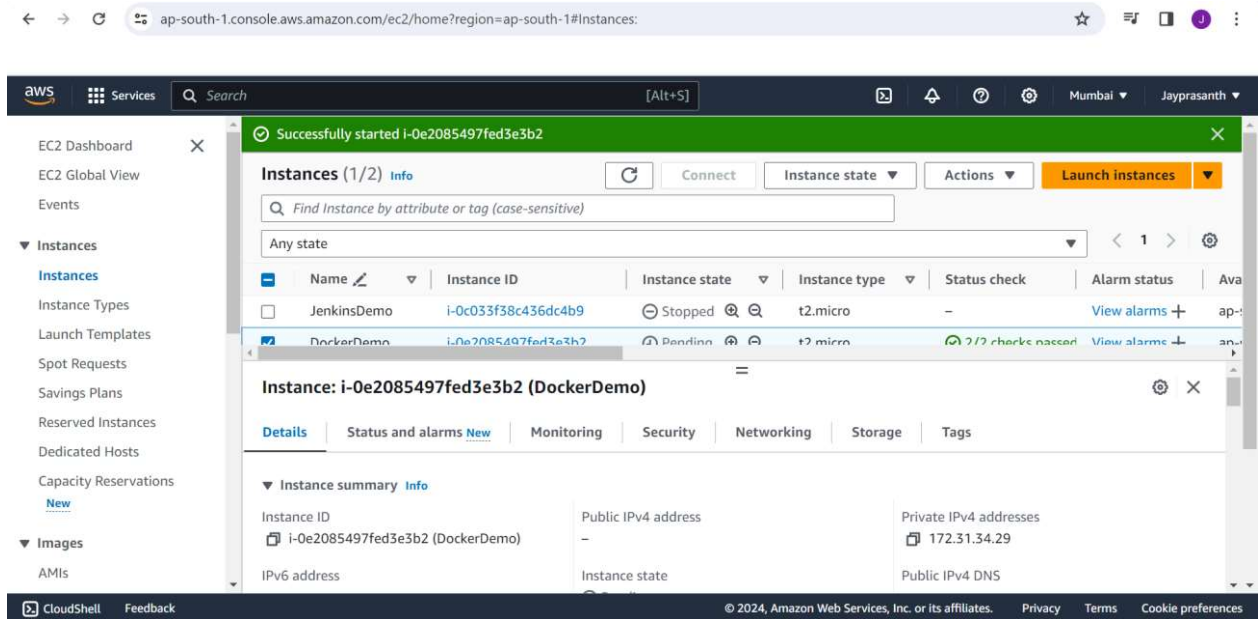
4. Search jenkins



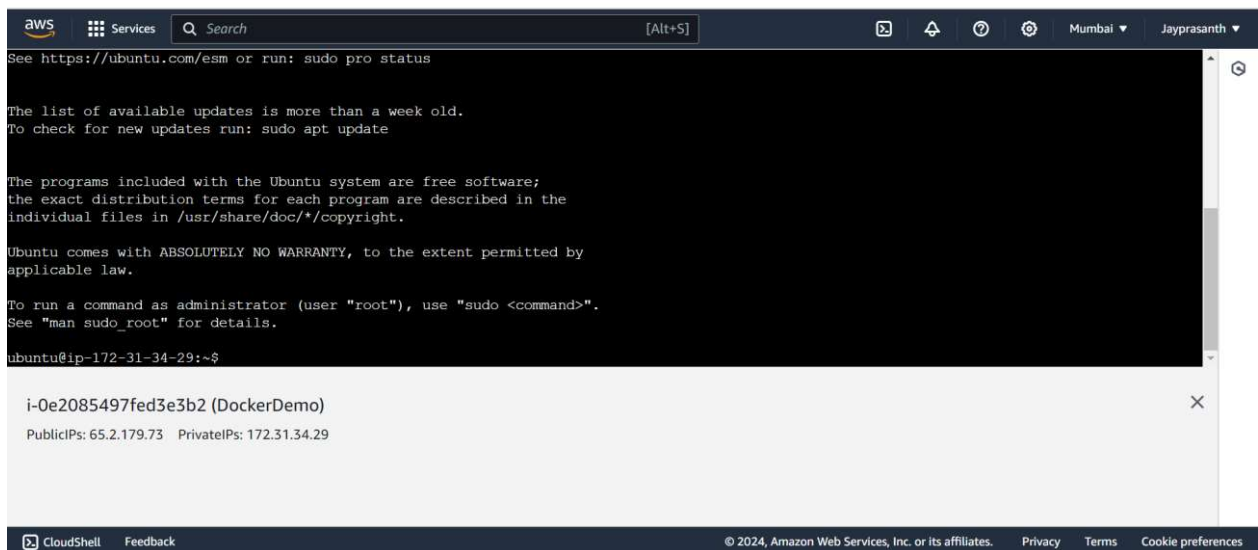
5. Select the official image or verified publisher



6. Create an instance for docker to run demo purpose



7. The terminal runs in console



8. In this page, we want to switch over to root user, give comment like sudo su

The screenshot shows the AWS CloudShell interface with a terminal window. The terminal displays the following text:

```
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-172-31-34-29:~$ sudo su
```

Below the terminal, a metadata box shows the instance ID `i-0e2085497fed3e3b2 (DockerDemo)` and IP addresses: `PublicIPs: 65.2.179.73` and `PrivateIPs: 172.31.34.29`.

The bottom of the interface includes the AWS logo, "Services" menu, a search bar, and navigation links for "CloudShell", "Feedback", and legal notices.

9.

This screenshot is similar to the previous one, but the terminal output shows a successful privilege escalation:

```
ubuntu@ip-172-31-34-29:~$ sudo su
root@ip-172-31-34-29:/home/ubuntu#
```

The rest of the interface, including the metadata box and footer, remains the same as in the previous screenshot.

10. apt-get update, Updated state of os

```
aws Services Search [Alt+S] Mumbai Jaypransh

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-172-31-34-29:~$ sudo su
root@ip-172-31-34-29:/home/ubuntu# apt-get update
```

i-Oe2085497fed3e3b2 (DockerDemo)

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11.

```
aws Services Search [Alt+S] Mumbai Jaypransh

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [24.3 kB]
Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [644 B]
Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:29 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1161 kB]
Get:30 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [213 kB]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1401 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [231 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [842 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [161 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.8 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.1 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7476 B]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [260 B]
Fetched 29.5 MB in 5s (5447 kB/s)
Reading package lists... Done
root@ip-172-31-34-29:/home/ubuntu#
```

i-Oe2085497fed3e3b2 (DockerDemo)

PublicIPs: 65.2.179.73 PrivateIPs: 172.31.34.29

12. apt install docker.io


```
aws Services Search [Alt+S] Mumbai Jaypransh
Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [24.3 kB]
Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [644 B]
Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:29 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1161 kB]
Get:30 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [213 kB]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1401 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [231 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [842 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [161 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.8 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.1 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7476 B]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [260 B]
Fetched 29.5 MB in 5s (5447 kB/s)
Reading package lists... Done
root@ip-172-31-34-29:/home/ubuntu# apt install docker.io
```

i-Oe2085497fed3e3b2 (DockerDemo)

PublicIPs: 65.2.179.73 PrivateIPs: 172.31.34.29

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13. Docker engine is installed

```
aws Services Search [Alt+S] Mumbai Jaypransh
Done.
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.
Processing triggers for dbus (1.12.20-2ubuntu4.1) ...
Processing triggers for man-db (2.10.2-1) ...
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-172-31-34-29:/home/ubuntu#
```

i-Oe2085497fed3e3b2 (DockerDemo)

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14. Docker images show how many images are there in our machine

```
aws Services Search [Alt+S] Mumbai Jaypransh
root@ip-172-31-34-29:/home/ubuntu# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
root@ip-172-31-34-29:/home/ubuntu#
```

i-0e2085497fed3e3b2 (DockerDemo)
PublicIPs: 65.2.179.73 PrivateIPs: 172.31.34.29

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15. Docker ps is a command to show the how many containers are there in our machine

```
aws Services Search [Alt+S] Mumbai Jaypransh
root@ip-172-31-34-29:/home/ubuntu# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
root@ip-172-31-34-29:/home/ubuntu# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
root@ip-172-31-34-29:/home/ubuntu#
```

i-0e2085497fed3e3b2 (DockerDemo)
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16. Docker pull mysql

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Mumbai

Jaypransh

root@ip-172-31-34-29:/home/ubuntu# docker pull mysql
Using default tag: latest
latest: Pulling from library/mysql
81badc5f380f: Pull complete
c490e5dd1a9d: Pull complete
87aeb61f1478: Pull complete
1cacbea6ceda: Pull complete
1e72891ace67: Pull complete
42b720363d36: Pull complete
6b3b50f9990a: Pull complete
3811d52cfa61: Pull complete
05bc7a0277d8: Pull complete
cc0abd25a274: Pull complete
Digest: sha256:ff5ab9cdce0b4c59704b4e2a09deed5ab8467be795e0ea20228b8528f53fcf82
Status: Downloaded newer image for mysql:latest
docker.io/library/mysql:latest
root@ip-172-31-34-29:/home/ubuntu#

i-Oe2085497fed3e3b2 (DockerDemo)

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latest: Pulling from library/mysql
81badc5f380f: Pull complete
c490e5dd1a9d: Pull complete
87aeb61f1478: Pull complete
1cacbea6ceda: Pull complete
1e72891ace67: Pull complete
42b720363d36: Pull complete
6b3b50f9990a: Pull complete
3811d52cfa61: Pull complete
05bc7a0277d8: Pull complete
cc0abd25a274: Pull complete
Digest: sha256:ff5ab9cdce0b4c59704b4e2a09deed5ab8467be795e0ea20228b8528f53fcf82
Status: Downloaded newer image for mysql:latest
docker.io/library/mysql:latest
root@ip-172-31-34-29:/home/ubuntu# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
mysql latest a88c3e85e887 4 weeks ago 632MB
root@ip-172-31-34-29:/home/ubuntu#

i-Oe2085497fed3e3b2 (DockerDemo)

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18.

awsServicesSearch[Alt+S]

root@ip-172-31-34-29:/home/ubuntu# docker pull httpd

Using default tag: latest

latest: Pulling from library/httpd

elcaac4eb9d2: Pull complete

87b0fe460fd9: Pull complete

4f4fb700ef54: Pull complete

9ceb3e3b523: Pull complete

e9304da947c5: Pull complete

b60d4b66b268: Pull complete

Digest: sha256:104f07de17ee186c8f37b9f561e04fbfe4cf080d78c6e5f3802fd08fd118c3da

Status: Downloaded newer image for httpd:latest

docker.io/library/httpd:latest

root@ip-172-31-34-29:/home/ubuntu# docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mysql	latest	a88c3e85e887	4 weeks ago	632MB
httpd	latest	2776f4da9d55	5 weeks ago	167MB

root@ip-172-31-34-29:/home/ubuntu#

i-Oe2085497fed3e3b2 (DockerDemo)

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19. Docker run -itd -p “7070:80” httpd

awsServicesSearch[Alt+S]

Using default tag: latest

latest: Pulling from library/httpd

elcaac4eb9d2: Pull complete

87b0fe460fd9: Pull complete

4f4fb700ef54: Pull complete

9ceb3e3b523: Pull complete

e9304da947c5: Pull complete

b60d4b66b268: Pull complete

Digest: sha256:104f07de17ee186c8f37b9f561e04fbfe4cf080d78c6e5f3802fd08fd118c3da

Status: Downloaded newer image for httpd:latest

docker.io/library/httpd:latest

root@ip-172-31-34-29:/home/ubuntu# docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mysql	latest	a88c3e85e887	4 weeks ago	632MB
httpd	latest	2776f4da9d55	5 weeks ago	167MB

root@ip-172-31-34-29:/home/ubuntu# docker run -itd -p "7070:80" httpd

c52d57ecd896e33acf52a81e235e0030a6bb7aa961052b8ed6e7a15a21271666

root@ip-172-31-34-29:/home/ubuntu#

i-Oe2085497fed3e3b2 (DockerDemo)

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20.

aws

Services

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[Alt+S]

Mumbai

Jayprasanth

```
root@ip-172-31-34-29:/home/ubuntu# docker images
REPOSITORY   TAG       IMAGE ID       CREATED        SIZE
mysql         latest    a88c3e85e887   4 weeks ago    632MB
httpd         latest    2776f4da9d55   5 weeks ago    167MB

root@ip-172-31-34-29:/home/ubuntu# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
c52d57ecd896   httpd     "httpd-foreground"      35 seconds ago Up 32 seconds 0.0.0.0:7070->80/tcp, :::7070->80/tcp funny_lumiere

root@ip-172-31-34-29:/home/ubuntu#
```

i-Oe2085497fed3e3b2 (DockerDemo)

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21.

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[Alt+S]

Mumbai

Jayprasanth

```
root@ip-172-31-34-29:/home/ubuntu# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
root@ip-172-31-34-29:/home/ubuntu# docker images
REPOSITORY   TAG       IMAGE ID       CREATED        SIZE
mysql         latest    a88c3e85e887   4 weeks ago    632MB
httpd         latest    2776f4da9d55   5 weeks ago    167MB

root@ip-172-31-34-29:/home/ubuntu# docker run -itd -p "7070:80" httpd
3fee5a89c86f3226764a6a42d3cc0d0383a94eaa67148cddbccf33654540be01

root@ip-172-31-34-29:/home/ubuntu# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
3fee5a89c86f   httpd     "httpd-foreground"      6 seconds ago Up 3 seconds 0.0.0.0:7070->80/tcp, :::7070->80/tcp gifted_leavitt

root@ip-172-31-34-29:/home/ubuntu#
```

i-Oe2085497fed3e3b2 (DockerDemo)

PublicIPs: 35.154.11.171 PrivateIPs: 172.31.34.29

CloudShell

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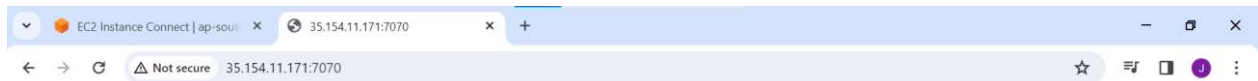
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22. It runs successfully in web browser

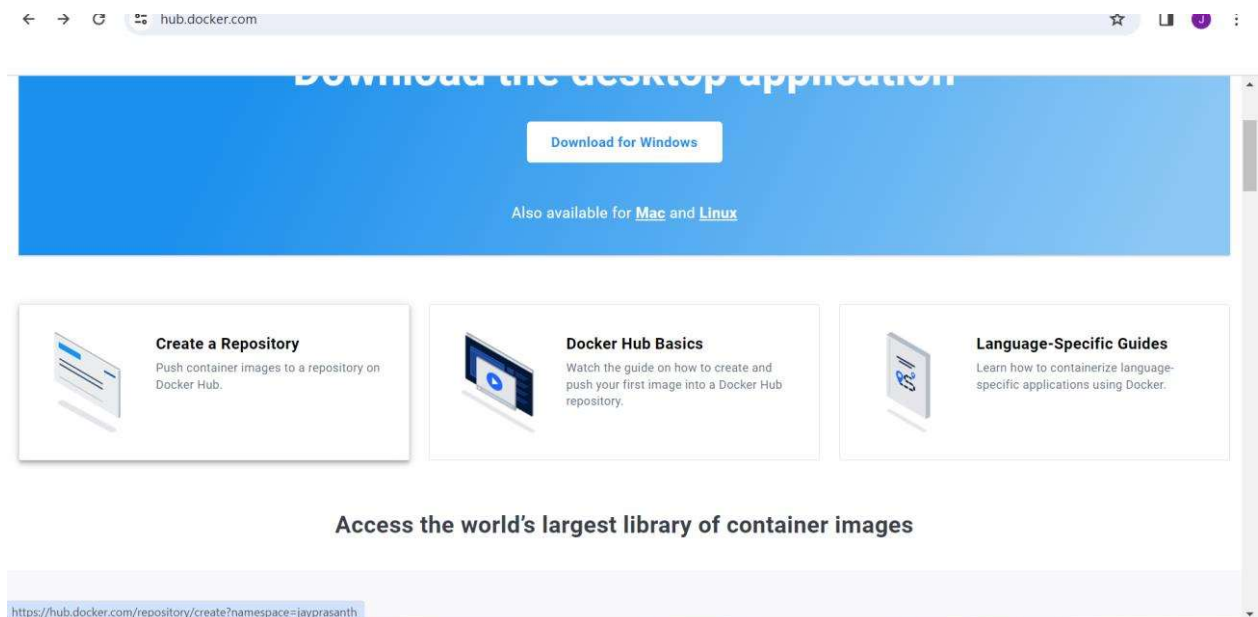


It works!

23. Docker exec -it <container-name> /bin/bash

24. Apt-get update && apt-get install -y nano

25.



26.

dockerhub

Explore

Repositories

Organizations

Search Docker Hub

ctrl+K

?

J

Repositories

 /

Create

Using 0 of 1 private repositories. [Get more](#)

Create repository

Namespace

jayprasanth

Repository Name *

sample

Short description

A short description to identify your repository. If the repository is public, this description is used to index your content on Docker Hub and in search engines, and is visible to users in search results.

Visibility

Using 0 of 1 private repositories. [Get more](#)

Public

Appears in Docker Hub search results

Private

Only visible to you

Cancel

Create

Pushing images

You can push a new image to this repository using the CLI:

docker tag local-image:tagname new-repo:tagname

docker push new-repo:tagname

Make sure to replace `tagname` with your desired image repository tag.

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dockerhub

Explore

Repositories

Organizations

Search Docker Hub

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?

J

jayprasanth

 /

Repositories

 /

sample

 /

General

Using 1 of 1 private repositories. [Get more](#)

General

Tags

Builds

Collaborators

Webhooks

Settings

jayprasanth/sample

Created less than a minute ago

This repository does not have a description

Tags

This repository is empty. Push some images to it to see them appear here.

Docker commands

To push a new tag to this repository:

docker push jayprasanth/sample:tagname

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)