Login into docker hub account → docker.hub → create repositories → name your repo → keep it as public → create.

run “docker –version” and “start docker service” and “ifconfig -a” and “docker info” and “cd /var/lib/docker” and “ls”.

Administrator@DESKTOP-I16IA9O MINGW64 ~/Downloads/dockerkeypair (master)

$ chmod 400 "dockerkey.pem"

Administrator@DESKTOP-I16IA9O MINGW64 ~/Downloads/dockerkeypair (master)

$ ssh -i "dockerkey.pem" ec2-user@ec2-35-173-127-189.compute-1.amazonaws.com

The authenticity of host 'ec2-35-173-127-189.compute-1.amazonaws.com (35.173.127.189)' can't be established.

ED25519 key fingerprint is SHA256:pRgDaQv7KjEoOb/tc8RkG4ijz635OhWFwCscW41b5Qw.

This host key is known by the following other names/addresses:

~/.ssh/known\_hosts:21: ec2-18-206-119-94.compute-1.amazonaws.com

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'ec2-35-173-127-189.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

, #\_

~\\_ ####\_ Amazon Linux 2023

~~ \\_#####\

~~ \###|

~~ \#/ \_\_\_ https://aws.amazon.com/linux/amazon-linux-2023

~~ V~' '->

~~~ /

~~.\_. \_/

\_/ \_/

\_/m/'

Last login: Tue Mar 11 11:02:20 2025 from 117.193.219.70

[ec2-user@ip-172-31-94-20 ~]$ sudo su

[root@ip-172-31-94-20 ec2-user]# git config -a

bash: git: command not found

[root@ip-172-31-94-20 ec2-user]# ifconfig -a

enX0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001

inet 172.31.94.20 netmask 255.255.240.0 broadcast 172.31.95.255

inet6 fe80::10cf:a3ff:fe14:e2f7 prefixlen 64 scopeid 0x20<link>

ether 12:cf:a3:14:e2:f7 txqueuelen 1000 (Ethernet)

RX packets 885 bytes 746334 (728.8 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 844 bytes 97994 (95.6 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536

inet 127.0.0.1 netmask 255.0.0.0

inet6 ::1 prefixlen 128 scopeid 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 12 bytes 1020 (1020.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 12 bytes 1020 (1020.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@ip-172-31-94-20 ec2-user]# yum install -y docker

Last metadata expiration check: 23:23:18 ago on Tue Mar 11 11:02:43 2025.

Package docker-25.0.8-1.amzn2023.0.1.x86\_64 is already installed.

Dependencies resolved.

Nothing to do.

Complete!

[root@ip-172-31-94-20 ec2-user]# docker --version

Docker version 25.0.8, build 0bab007

[root@ip-172-31-94-20 ec2-user]# service docker start

Redirecting to /bin/systemctl start docker.service

[root@ip-172-31-94-20 ec2-user]# ifconfig -a

docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500

inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255

ether 02:42:85:a5:d2:6a txqueuelen 0 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enX0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001

inet 172.31.94.20 netmask 255.255.240.0 broadcast 172.31.95.255

inet6 fe80::10cf:a3ff:fe14:e2f7 prefixlen 64 scopeid 0x20<link>

ether 12:cf:a3:14:e2:f7 txqueuelen 1000 (Ethernet)

RX packets 1251 bytes 773376 (755.2 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 1123 bytes 126541 (123.5 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536

inet 127.0.0.1 netmask 255.0.0.0

inet6 ::1 prefixlen 128 scopeid 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 12 bytes 1020 (1020.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 12 bytes 1020 (1020.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@ip-172-31-94-20 ec2-user]# docker info

Client:

Version: 25.0.8

Context: default

Debug Mode: false

Plugins:

buildx: Docker Buildx (Docker Inc.)

Version: v0.0.0+unknown

Path: /usr/libexec/docker/cli-plugins/docker-buildx

Server:

Containers: 0

Running: 0

Paused: 0

Stopped: 0

Images: 0

Server Version: 25.0.8

Storage Driver: overlay2

Backing Filesystem: xfs

Supports d\_type: true

Using metacopy: false

Native Overlay Diff: true

userxattr: false

Logging Driver: json-file

Cgroup Driver: systemd

Cgroup Version: 2

Plugins:

Volume: local

Network: bridge host ipvlan macvlan null overlay

Log: awslogs fluentd gcplogs gelf journald json-file local splunk syslog

Swarm: inactive

Runtimes: io.containerd.runc.v2 runc

Default Runtime: runc

Init Binary: docker-init

containerd version: bcc810d6b9066471b0b6fa75f557a15a1cbf31bb

runc version: 6c52b3fc541fb26fe8c374d5f58112a0a5dbda66

init version: de40ad0

Security Options:

seccomp

Profile: builtin

cgroupns

Kernel Version: 6.1.129-138.220.amzn2023.x86\_64

Operating System: Amazon Linux 2023.6.20250303

OSType: linux

Architecture: x86\_64

CPUs: 1

Total Memory: 949.5MiB

Name: ip-172-31-94-20.ec2.internal

ID: a4b98f1f-2d7d-4c2a-b377-d000b5a74fff

Docker Root Dir: /var/lib/docker

Debug Mode: false

Experimental: false

Insecure Registries:

127.0.0.0/8

Live Restore Enabled: false

[root@ip-172-31-94-20 ec2-user]# cd /var/lib/docker

[root@ip-172-31-94-20 docker]# ls

buildkit containers engine-id image network overlay2 plugins runtimes swarm tmp volumes

[root@ip-172-31-94-20 docker]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

[root@ip-172-31-94-20 docker]# docker image ls

REPOSITORY TAG IMAGE ID CREATED SIZE

[root@ip-172-31-94-20 docker]# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

[root@ip-172-31-94-20 docker]# docker pull nginx

Using default tag: latest

latest: Pulling from library/nginx

7cf63256a31a: Pull complete

bf9acace214a: Pull complete

513c3649bb14: Pull complete

d014f92d532d: Pull complete

9dd21ad5a4a6: Pull complete

943ea0f0c2e4: Pull complete

103f50cb3e9f: Pull complete

Digest: sha256:9d6b58feebd2dbd3c56ab5853333d627cc6e281011cfd6050fa4bcf2072c9496

Status: Downloaded newer image for nginx:latest

docker.io/library/nginx:latest

[root@ip-172-31-94-20 docker]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

nginx latest b52e0b094bc0 4 weeks ago 192MB

[root@ip-172-31-94-20 docker]# docker inspect b52e0b094bc0

[

{

"Id": "sha256:b52e0b094bc0e26c9eddc9e4ab7a64ce0033c3360d8b7ad4ff4132c4e03e8f7b",

"RepoTags": [

"nginx:latest"

],

"RepoDigests": [

"nginx@sha256:9d6b58feebd2dbd3c56ab5853333d627cc6e281011cfd6050fa4bcf2072c9496"

],

"Parent": "",

"Comment": "buildkit.dockerfile.v0",

"Created": "2025-02-05T21:27:16Z",

"Container": "",

"ContainerConfig": {

"Hostname": "",

"Domainname": "",

"User": "",

"AttachStdin": false,

"AttachStdout": false,

"AttachStderr": false,

"Tty": false,

"OpenStdin": false,

"StdinOnce": false,

"Env": null,

"Cmd": null,

"Image": "",

"Volumes": null,

"WorkingDir": "",

"Entrypoint": null,

"OnBuild": null,

"Labels": null

},

"DockerVersion": "",

"Author": "",

"Config": {

"Hostname": "",

"Domainname": "",

"User": "",

"AttachStdin": false,

"AttachStdout": false,

"AttachStderr": false,

"ExposedPorts": {

"80/tcp": {}

},

"Tty": false,

"OpenStdin": false,

"StdinOnce": false,

"Env": [

"PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",

"NGINX\_VERSION=1.27.4",

"NJS\_VERSION=0.8.9",

"NJS\_RELEASE=1~bookworm",

"PKG\_RELEASE=1~bookworm",

"DYNPKG\_RELEASE=1~bookworm"

],

"Cmd": [

"nginx",

"-g",

"daemon off;"

],

"Image": "",

"Volumes": null,

"WorkingDir": "",

"Entrypoint": [

"/docker-entrypoint.sh"

],

"OnBuild": null,

"Labels": {

"maintainer": "NGINX Docker Maintainers <docker-maint@nginx.com>"

},

"StopSignal": "SIGQUIT"

},

"Architecture": "amd64",

"Os": "linux",

"Size": 191998640,

"GraphDriver": {

"Data": {

"LowerDir": "/var/lib/docker/overlay2/5f238552090b6e2eca283b7138790f9794c6599033b420e3b0eae24b65fc5fd5/diff:/var/lib/docker/overlay2/184e089246d7bbe71737afd847f400c59b0f6bdeceffaa0600229d9c5667dd3e/diff:/var/lib/docker/overlay2/13553398f2330d9264eb85823289b6f8e8d9318a17f4a9dcd489c7b3b63d6488/diff:/var/lib/docker/overlay2/a099a3d9d8f4b7d42afaa48c11f8bfee14c0ad010f225314e9f05f58b9bfa95a/diff:/var/lib/docker/overlay2/9f6fbfe4512e2e7c158a8400aabaebc26402a31c322ddefba49c763164c38060/diff:/var/lib/docker/overlay2/35fd357f70cc284c7639354620fe845c9ca379b6b126037b1ae22a9272f501e8/diff",

"MergedDir": "/var/lib/docker/overlay2/1825baaf4466c25ad136d8a1e39e6178480cce2ada6667a359f21dee5e2b5e10/merged",

"UpperDir": "/var/lib/docker/overlay2/1825baaf4466c25ad136d8a1e39e6178480cce2ada6667a359f21dee5e2b5e10/diff",

"WorkDir": "/var/lib/docker/overlay2/1825baaf4466c25ad136d8a1e39e6178480cce2ada6667a359f21dee5e2b5e10/work"

},

"Name": "overlay2"

},

"RootFS": {

"Type": "layers",

"Layers": [

"sha256:5f1ee22ffb5e68686db3dcb6584eb1c73b5570615b0f14fabb070b96117e351d",

"sha256:c68632c455ae0c46d1380033bae6d30014853fa3f600f4e14efc440be1bc9580",

"sha256:cabea05c000e49f0814b2611cbc66c2787f609d8a27fc7b9e97b5dab5d8502da",

"sha256:791f0a07985c2814a899cb0458802be06ba124a364f7e5a9413a1f08fdbf5b5c",

"sha256:f6d5815f290ee912fd4a768d97b46af39523dff584d786f5c0f7e9bdb7fad537",

"sha256:7d22e2347c1217a89bd3c79ca9adb4652c1e9b61427fffc0ab92227aacd19a38",

"sha256:55e9644f21c38d7707b4a432aacc7817c5414b68ac7a750e704c2f7100ebc15c"

]

},

"Metadata": {

"LastTagTime": "0001-01-01T00:00:00Z"

}

}

]

[root@ip-172-31-94-20 docker]#

[root@ip-172-31-94-20 docker]# docker run -itd --name Lekha -p 40:80 b52e0b094bc0

7c8fd2e69a9e55c736d8c91c3f6d288aa4a72f7b4883afe5922168fcbdcba6b6

[root@ip-172-31-94-20 docker]# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

7c8fd2e69a9e b52e0b094bc0 "/docker-entrypoint.…" 7 seconds ago Up 6 seconds 0.0.0.0:40->80/tcp, :::40->80/tcp Lekha

[root@ip-172-31-94-20 docker]# docker tag nginx:latest chandralekha2711/dev:jenkins

[root@ip-172-31-94-20 docker]# docker push chandralekha2711/dev:jenkins

The push refers to repository [docker.io/chandralekha2711/dev]

55e9644f21c3: Preparing

7d22e2347c12: Preparing

f6d5815f290e: Preparing

791f0a07985c: Preparing

cabea05c000e: Preparing

c68632c455ae: Waiting

5f1ee22ffb5e: Waiting

denied: requested access to the resource is denied

[root@ip-172-31-94-20 docker]# docker login

Log in with your Docker ID or email address 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 one.

You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/

Username: chandralekha2711

Password:

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-172-31-94-20 docker]# docker tag nginx:latest chandralekha2711/dev:jenkins

[root@ip-172-31-94-20 docker]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

chandralekha2711/dev jenkins b52e0b094bc0 4 weeks ago 192MB

nginx latest b52e0b094bc0 4 weeks ago 192MB

[root@ip-172-31-94-20 docker]# docker push chandralekha2711/dev:jenkins

The push refers to repository [docker.io/chandralekha2711/dev]

55e9644f21c3: Mounted from library/nginx

7d22e2347c12: Mounted from library/nginx

f6d5815f290e: Mounted from library/nginx

791f0a07985c: Mounted from library/nginx

cabea05c000e: Mounted from library/nginx

c68632c455ae: Mounted from library/nginx

5f1ee22ffb5e: Mounted from library/nginx

jenkins: digest: sha256:8ff5f063bf8cc99e473d552e4cc34fe8d37f10563d258eef9e2aa71b6455ab06 size: 1778

**You will get your image backup**