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Last login: Sun Feb 22 21:35:03 on ttys001
ayushkumar@ayushs-MacBook-Air ~ % ssh -o ServerAliveInterval=60 -i ~/Downloads/docking_key.pem ubuntu@ec2-3-25-84-141.ap-southeast-2.compute.amazonaws.com -yes
The authenticity of host 'ec2-3-25-84-141.ap-southeast-2.compute.amazonaws.com (3.25.84.141)' can't be established.
ED25519 key fingerprint is: SHA256:02AYir9chcjbwueo87QIJMweutKQDmOygQU9jcirjQ
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 6.14.0-1018-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Sat Feb 28 13:03:31 UTC 2026

System load: 0.0          Temperature:      -273.1 C
Usage of /:   9.7% of 18.33GB  Processes:        110
Memory usage: 11%          Users logged in:   0
Swap usage:   0%           IPv4 address for ens5: 172.31.14.175

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

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-172-31-14-175:~$ ls
ubuntu@ip-172-31-14-175:~$ free -h
              total        used         free      shared  buff/cache   available
Mem:      1.9Gi       359Mi      1.3Gi      2.7Mi      410Mi      1.5Gi
Swap:        0B         0B         0B

ubuntu@ip-172-31-14-175:~$ sudo apt update
Hit:1 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 kB]
Get:5 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:6 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:8 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:10 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:11 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:13 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1800 kB]
Get:14 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [331 kB]
Get:15 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:16 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [16.5 kB]
Get:17 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1558 kB]
Get:18 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [316 kB]
Get:19 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [386 kB]
Get:20 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [32.7 kB]
Get:21 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [2735 kB]
Get:22 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [630 kB]
Get:23 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 kB]
Get:24 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [556 kB]
Get:25 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [32.1 kB]
Get:26 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [7044 kB]
Get:27 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 kB]
Get:28 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [496 kB]
Get:29 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [40.4 kB]
Get:30 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [9208 kB]
Get:31 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7284 kB]
Get:32 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [368 kB]
Get:33 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [29.5 kB]
Get:34 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [17.9 kB]
Get:35 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [10.5 kB]
Get:36 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1444 kB]
Get:37 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 kB]
Get:38 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 kB]
Get:39 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 kB]
Get:40 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 kB]
Get:41 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1494 kB]
Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [240 kB]
Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [9932 kB]
Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [961 kB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [218 kB]
Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [74.2 kB]
Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [20.5 kB]
Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [2564 kB]
Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [596 kB]
Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 kB]
Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [536 kB]
Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [28.8 kB]
Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [6732 kB]
Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 kB]
Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [396 kB]
Fetched 40.4 MB in 7s (6117 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
99 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-14-175:~$ sudo 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 99 not upgraded.
Need to get 76.1 MB of archives.
After this operation, 288 MB of additional disk space will be used.
Do you want to continue? [Y/n] y

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Get:1 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:2 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/main amd64 bridge-utils amd64 1.7.1-1ubuntu2 [33.9 kB]
Get:3 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 runc amd64 1.3.3-0ubuntu1~24.04.3 [8815 kB]
Get:4 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 containerd amd64 1.7.28-0ubuntu1~24.04.2 [38.4 MB]
Get:5 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 dns-root-data all 2024071801~ubuntu24.04.1 [5918 B]
Get:6 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 dnsmasq-base amd64 2.90-2ubuntu0.1 [376 kB]
Get:7 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 docker.io amd64 28.2.2-0ubuntu1~24.04.1 [28.3 MB]
Get:8 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 ubuntu-fan all 0.12.16+24.04.1 [34.2 kB]
Fetched 76.1 MB in 1s (78.8 MB/s)
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 71752 files and directories currently installed.)
Preparing to unpack .../0-pigz_2.8-1_amd64.deb ...
Unpacking pigz (2.8-1) ...
Selecting previously unselected package bridge-utils.
Preparing to unpack .../1-bridge-utils_1.7.1-1ubuntu2_amd64.deb ...
Unpacking bridge-utils (1.7.1-1ubuntu2) ...
Selecting previously unselected package runc.
Preparing to unpack .../2-runc_1.3.3-0ubuntu1~24.04.3_amd64.deb ...
Unpacking runc (1.3.3-0ubuntu1~24.04.3) ...
Selecting previously unselected package containerd.
Preparing to unpack .../3-containerd_1.7.28-0ubuntu1~24.04.2_amd64.deb ...
Unpacking containerd (1.7.28-0ubuntu1~24.04.2) ...
Selecting previously unselected package dns-root-data.
Preparing to unpack .../4-dns-root-data_2024071801~ubuntu0.24.04.1_all.deb ...
Unpacking dns-root-data (2024071801~ubuntu0.24.04.1) ...
Selecting previously unselected package dnsmasq-base.
Preparing to unpack .../5-dnsmasq-base_2.90-2ubuntu0.1_amd64.deb ...
Unpacking dnsmasq-base (2.90-2ubuntu0.1) ...
Selecting previously unselected package docker.io.
Preparing to unpack .../6-docker.io_28.2.2-0ubuntu1~24.04.1_amd64.deb ...
Unpacking docker.io (28.2.2-0ubuntu1~24.04.1) ...
Selecting previously unselected package ubuntu-fan.
Preparing to unpack .../7-ubuntu-fan_0.12.16+24.04.1_all.deb ...
Unpacking ubuntu-fan (0.12.16+24.04.1) ...
Setting up dnsmasq-base (2.90-2ubuntu0.1) ...
Setting up runc (1.3.3-0ubuntu1~24.04.3) ...
Setting up dns-root-data (2024071801~ubuntu0.24.04.1) ...
Setting up bridge-utils (1.7.1-1ubuntu2) ...
Setting up pigz (2.8-1) ...
Setting up containerd (1.7.28-0ubuntu1~24.04.2) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /usr/lib/systemd/system/containerd.service.
Setting up ubuntu-fan (0.12.16+24.04.1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/ubuntu-fan.service → /usr/lib/systemd/system/ubuntu-fan.service.
Setting up docker.io (28.2.2-0ubuntu1~24.04.1) ...
info: Selecting GID from range 100 to 999 ...
info: Adding group 'docker' (GID 113) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /usr/lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/lib/systemd/system/docker.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.
ubuntu@ip-172-31-14-175:~$ systemctl is-enabled docker
Command 'systemctl' not found, did you mean:
  command 'systemctl' from deb systemd (255.4-1ubuntu8.12)
  command 'systemctl' from deb systemctl (1.4.4181-1.1)
Try: sudo apt install <deb name>
ubuntu@ip-172-31-14-175:~$ systemctl is-enabled docker
enabled
ubuntu@ip-172-31-14-175:~$ systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded ('/usr/lib/systemd/system/docker.service; enabled; preset: enabled')
     Active: active (running) since Sat 2026-02-28 13:46:14 UTC; 1min 33s ago
    TriggeredBy: ● docker.socket
      Docs: https://docs.docker.com
     Main PID: 2941 (dockerd)
       Tasks: 9
      Memory: 21.7M (peak: 22.0M)
        CPU: 361ms
       CGroup: /system.slice/docker.service
           └─2941 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Feb 28 13:46:13 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:13.935757364Z" level=info msg="Loading containers: start."
Feb 28 13:46:14 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:14.259668007Z" level=info msg="Loading containers: done."
Feb 28 13:46:14 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:14.286897361Z" level=info msg="Docker daemon" commit="28.2.2-0ubuntu1~24.04.1" containerd-snapshotter=fal
Feb 28 13:46:14 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:14.287023049Z" level=info msg="Initializing buildkit"
Feb 28 13:46:14 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:14.297118281Z" level=warning msg="CDI setup error /etc/cdi: failed to monitor for changes: no such file or directory"
Feb 28 13:46:14 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:14.297148758Z" level=warning msg="CDI setup error /var/run/cdi: failed to monitor for changes: no such file or directory"
Feb 28 13:46:14 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:14.316819600Z" level=info msg="Completed buildkit initialization"
Feb 28 13:46:14 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:14.326148354Z" level=info msg="Daemon has completed initialization"
Feb 28 13:46:14 ip-172-31-14-175 systemd[1]: Started docker.service - Docker Application Container Engine.
Feb 28 13:46:14 ip-172-31-14-175 dockerd[2941]: time="2026-02-28T13:46:14.326912046Z" level=info msg="API listen on /run/docker.sock"
ubuntu@ip-172-31-14-175:~$ ps
  PID TTY      TIME CMD
 2041 pts/0    00:00:00 bash
 3217 pts/0    00:00:00 ps
ubuntu@ip-172-31-14-175:~$ docker ps
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.50/containers/json": dial unix /var/run/docker.sock: connect: permission denied
ubuntu@ip-172-31-14-175:~$ sudo usermod -aG docker ubuntu
ubuntu@ip-172-31-14-175:~$ docker ps
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.50/containers/json": dial unix /var/run/docker.sock: connect: permission denied
ubuntu@ip-172-31-14-175:~$ cat /etc/groups
cat: /etc/groups: No such file or directory
ubuntu@ip-172-31-14-175:~$ groups
ubuntu adm cdrom sudo dip lxd
ubuntu@ip-172-31-14-175:~$ group
Command 'group' not found, did you mean:
  command 'groups' from deb coreutils (9.4-3ubuntu6.1)
  command 'grp' from deb grep (2:0.10-1.2)
Try: sudo apt install <deb name>
ubuntu@ip-172-31-14-175:~$ cat /etc/group
root:x:0:
daemon:x:1:
bin:x:2:
sys:x:3:
adm:x:4:syslog,ubuntu
tty:x:5:
disk:x:6:
lp:x:7:

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mail:x:8:
news:x:9:
uucp:x:10:
man:x:12:
proxy:x:13:
kmem:x:15:
dialout:x:20:
fax:x:21:
voice:x:22:
cdrom:x:24:ubuntu
floppy:x:25:
tape:x:26:
sudo:x:27:ubuntu
audio:x:29:
dip:x:30:ubuntu
www-data:x:33:
backup:x:34:
operator:x:37:
list:x:38:
irc:x:39:
src:x:40:
shadow:x:42:
utmp:x:43:
video:x:44:
ssl:x:45:
plugdev:x:46:
staff:x:50:
games:x:60:
users:x:100:
nogroup:x:65534:
systemd-journal:x:999:
systemd-network:x:998:
crontab:x:997:
systemd-timesync:x:996:
input:x:995:
sgx:x:994:
kvml:x:993:
render:x:992:
messagebus:x:101:
syslog:x:102:
systemd-resolve:x:991:
uuid:x:103:
tss:x:104:
lxde:x:105:ubuntu
_ssh:x:106:
rdma:x:107:
tcpdump:x:108:
landscape:x:109:
fwupd-refresh:x:990:
polkitd:x:989:
admin:x:110:
netdev:x:111:
chrony:x:112:
ubuntu:x:1000:
docker:x:113:ubuntu
ubuntu@ip-172-31-14-175:~$ docker ps
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.50/containers/json": dial unix /var/run/docker.sock: connect: permission denied
ubuntu@ip-172-31-14-175:~$ newgrp docker
ubuntu@ip-172-31-14-175:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
ubuntu@ip-172-31-14-175:~$ docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eecc7bbc9d: Pull complete
Digest: sha256:ef54e839ef541993b4e87f25e752f7cf4238fa55f017957c2eb44077083d7a6a
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

ubuntu@ip-172-31-14-175:~$ docker run -d -p 80:80 nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
206356c42440: Pull complete
b47f187216b6: Pull complete
1ad233904a11: Pull complete
eedda9fd8786: Pull complete
35ff83c394d6: Pull complete
17d0911leaf62: Pull complete
df0b66c867e4: Pull complete
Digest: sha256:0236ee02dcfce00b9bd83e0f5fbc51069e7e1161bd59d99885b3ae1734f3392e
Status: Downloaded newer image for nginx:latest
17a2671571d1fbfcf3f42ee868cd668c86ebf252866114f2d1cf95c9ab32900c
ubuntu@ip-172-31-14-175:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
17a0267157b1 nginx "/docker-entrypoint..." 26 seconds ago Up 25 seconds 0.0.0.0:80->80/tcp, [::]:80->80/tcp youthful_montalcini
ubuntu@ip-172-31-14-175:~$ docker run -itd ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
01d7766a2e4a: Pull complete
Digest: sha256:d1e2e92c075e5ca139d51a140fff46f84315c0fdce203eab2807c7e495eff4f9
Status: Downloaded newer image for ubuntu:latest
90dc79f8181e38609a143aa85c898256f9b53aaa4d856a61b6c639b41ffe75
ubuntu@ip-172-31-14-175:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
90dc79f8181e ubuntu "/bin/bash" 29 seconds ago Up 28 seconds 0.0.0.0:80->80/tcp, [::]:80->80/tcp sleepy_mirzakhani
17a0267157b1 nginx "/docker-entrypoint..." 47 minutes ago Up 47 minutes 0.0.0.0:80->80/tcp, [::]:80->80/tcp youthful_montalcini
ubuntu@ip-172-31-14-175:~$ docker exec -it 90dc79f8181e bash
root@90dc79f8181e:~# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
root@90dc79f8181e:~# exit
exit
ubuntu@ip-172-31-14-175:~$ docker ps

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CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
90dc79f8181e ubuntu "/bin/bash" 2 minutes ago Up 2 minutes 0.0.0.0:80->80/tcp, [::]:80->80/tcp sleepy_mirzakhani
17a0267157b1 nginx "/docker-entrypoint..." 49 minutes ago Up 49 minutes 0.0.0.0:80->80/tcp, [::]:80->80/tcp youthful_montalcini
ubuntu@ip-172-31-14-175:~$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
90dc79f8181e ubuntu "/bin/bash" 2 minutes ago Up 2 minutes
17a0267157b1 nginx "/docker-entrypoint..." 49 minutes ago Up 49 minutes
d2e008998ceb hello-world "/hello" About an hour ago Exited (0) About an hour ago
ubuntu@ip-172-31-14-175:~$ docker stop 90dc79f8181e
90dc79f8181e
ubuntu@ip-172-31-14-175:~$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
90dc79f8181e ubuntu "/bin/bash" 3 minutes ago Exited (137) 10 seconds ago
17a0267157b1 nginx "/docker-entrypoint..." 50 minutes ago Up 50 minutes 0.0.0.0:80->80/tcp, [::]:80->80/tcp youthful_montalcini
d2e008998ceb hello-world "/hello" About an hour ago Exited (0) About an hour ago
ubuntu@ip-172-31-14-175:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
17a0267157b1 nginx "/docker-entrypoint..." 50 minutes ago Up 50 minutes 0.0.0.0:80->80/tcp, [::]:80->80/tcp youthful_montalcini
ubuntu@ip-172-31-14-175:~$ docker rm 90dc79f8181e
90dc79f8181e
ubuntu@ip-172-31-14-175:~$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
17a0267157b1 nginx "/docker-entrypoint..." 51 minutes ago Up 51 minutes 0.0.0.0:80->80/tcp, [::]:80->80/tcp youthful_montalcini
d2e008998ceb hello-world "/hello" About an hour ago Exited (0) About an hour ago
ubuntu@ip-172-31-14-175:~$ docker run -d --name mysql-demo -e MYSQL_ROOT_PASSWORD=test@123 mysql
Unable to find image 'mysql:latest' locally
latest: Pulling from library/mysql
74a8e4bb9fe: Pull complete
357926362d31: Pull complete
f3702ac323ca: Pull complete
658630c937c6: Pull complete
ab1b8ea72826: Pull complete
61941d436e88: Pull complete
c89a19cdd3b: Pull complete
00af5f73db53: Pull complete
8314ff001dec: Pull complete
4a6291008f: Pull complete
Digest: sha256:e5dc14f6e01c3e577e669337d2855c6d1561b30d8ef2c592e63e4e8a9a52650a
Status: Downloaded newer image for mysql:latest
094c2ef9d459d28c7e17a844192a1dbbd54fa1c745bab0babc9e20f7ad35ad
ubuntu@ip-172-31-14-175:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
094c2ef9d459 mysql "/docker-entrypoint.s..." 8 seconds ago Up 7 seconds 3306/tcp, 33060/tcp mysql-demo
17a0267157b1 nginx "/docker-entrypoint..." 55 minutes ago Up 55 minutes 0.0.0.0:80->80/tcp, [::]:80->80/tcp youthful_montalcini
ubuntu@ip-172-31-14-175:~$ docker exec -it 094c2ef9d459 bash
bash-5.1# ROOT
bash: ROOT: command not found
bash-5.1# mysql
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
bash-5.1# login
bash: login: command not found
bash-5.1# mysql -u
mysql: [ERROR] mysql: option '-u' requires an argument.
bash-5.1# mysql -u ROOT
ERROR 1045 (28000): Access denied for user 'ROOT'@'localhost' (using password: NO)
bash-5.1# mysql -u ROOT -p
Enter password:
ERROR 1045 (28000): Access denied for user 'ROOT'@'localhost' (using password: YES)
bash-5.1# mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 9.6.0 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases
    > ^C
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.005 sec)

mysql> exit
Bye
bash-5.1# exit
exit
ubuntu@ip-172-31-14-175:~$ docker log
docker: unknown command: docker log

Run 'docker --help' for more information
ubuntu@ip-172-31-14-175:~$ docker logs
docker: 'docker logs' requires 1 argument

Usage:  docker logs [OPTIONS] CONTAINER

Run 'docker logs --help' for more information
ubuntu@ip-172-31-14-175:~$ docker log 094c2ef9d459
docker: unknown command: docker log

Run 'docker --help' for more information
ubuntu@ip-172-31-14-175:~$ docker logs 094c2ef9d459
2026-02-28 15:13:48+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 9.6.0-1.el9 started.
2026-02-28 15:13:48+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2026-02-28 15:13:48+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 9.6.0-1.el9 started.
2026-02-28 15:13:48+00:00 [Note] [Entrypoint]: Initializing database files
2026-02-28T15:13:48.935795Z 0 [System] [MY-015017] [Server] MySQL Server Initialization - start.
2026-02-28T15:13:48.937553Z 0 [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 9.6.0) initializing of server in progress as process 79
2026-02-28T15:13:48.946681Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2026-02-28T15:13:49.618201Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2026-02-28T15:13:51.238799Z 6 [Warning] [MY-010453] [Server] root@localhost is created with an empty password ! Please consider switching off the --initialize-insecure option.
2026-02-28T15:13:53:00+00:00 [Note] [Entrypoint]: Database files initialized
2026-02-28 15:13:53:00+00:00 [Note] [Entrypoint]: Starting temporary server
2026-02-28T15:13:53:75476Z 0 [System] [MY-015015] [Server] MySQL Server - start.
2026-02-28T15:13:54.039438Z 0 [System] [MY-010016] [Server] /usr/sbin/mysqld (mysqld 9.6.0) starting as process 116
2026-02-28T15:13:54.039464Z 0 [System] [MY-015598] [Server] MySQL Server has access to 2 logical CPUs.
2026-02-28T15:13:54.039478Z 0 [System] [MY-015598] [Server] MySQL Server has access to 2003529728 bytes of physical memory.
2026-02-28T15:13:54.074591Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2026-02-28T15:13:54.702763Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.

```

```
2026-02-28T15:13:55.191985Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
2026-02-28T15:13:55.192038Z 0 [System] [MY-013602] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2026-02-28T15:13:55.196744Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
2026-02-28T15:13:55.240880Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Socket: /var/run/mysqlx/mysqlx.sock
2026-02-28T15:13:55.241173Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '9.6.0' socket: '/var/run/mysqld/mysqld.sock' port: 0 MySQL Community Server - GPL.
2026-02-28 15:13:55+00:00 [Note] [Entrypoint]: Temporary server started.
'/var/lib/mysql/mysql.sock' -> '/var/run/mysqld/mysqld.sock'
Warning: Unable to load '/usr/share/zoneinfo/iso3166.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leap-seconds.list' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leapseconds' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/tzdata.zi' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone1970.tab' as time zone. Skipping it.

2026-02-28 15:13:57+00:00 [Note] [Entrypoint]: Stopping temporary server
2026-02-28T15:13:57.543174Z 11 [System] [MY-013172] [Server] Received SHUTDOWN from user root. Shutting down mysqld (Version: 9.6.0).
2026-02-28T15:13:58.540234Z 0 [System] [MY-010918] [Server] /usr/sbin/mysqld: Shutdown complete (mysqld 9.6.0) MySQL Community Server - GPL.
2026-02-28T15:13:58.540261Z 0 [System] [MY-015016] [Server] MySQL Server - end.
2026-02-28 15:13:58+00:00 [Note] [Entrypoint]: Temporary server stopped

2026-02-28 15:13:58+00:00 [Note] [Entrypoint]: MySQL init process done. Ready for start up.

2026-02-28T15:13:58.575165Z 0 [System] [MY-015015] [Server] MySQL Server - start.
2026-02-28T15:13:58.866564Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 9.6.0) starting as process 1
2026-02-28T15:13:58.866580Z 0 [System] [MY-015598] [Server] MySQL Server has access to 2 logical CPUs.
2026-02-28T15:13:58.866591Z 0 [System] [MY-015598] [Server] MySQL Server has access to 2003529728 bytes of physical memory.
2026-02-28T15:13:58.873384Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2026-02-28T15:13:59.426572Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2026-02-28T15:13:59.812809Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
2026-02-28T15:13:59.812857Z 0 [System] [MY-013602] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2026-02-28T15:13:59.817660Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
2026-02-28T15:13:59.866429Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060, socket: /var/run/mysqlx/mysqlx.sock
2026-02-28T15:13:59.866568Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '9.6.0' socket: '/var/run/mysqld/mysqld.sock' port: 3306 MySQL Community Server - GPL.
ubuntu@ip-172-31-14-175:~$ Connection to ec2-3-25-84-141.ap-southeast-2.compute.amazonaws.com closed by remote host.
Connection to ec2-3-25-84-141.ap-southeast-2.compute.amazonaws.com closed.
ayushkumar@ayushs-MacBook-Air ~ %
```