

Docker Task

Install docker on EC2 and explore the docker commands (docker images, containers, volumes, network)

Screenshot of the AWS EC2 Instance Details page for instance i-0348a7d913ac7b094 (Docker-task-1).

Instance Summary:

- Instance ID:** i-0348a7d913ac7b094
- Public IPv4 address:** 3.147.63.195
- Private IP4 address (IPv4 only):** ip-172-31-12-192.us-east-2.compute.internal
- Private DNS:** ec2-3-147-63-195.us-east-2.compute.amazonaws.com
- Instance type:** t3.micro
- VPC ID:** vpc-062b2ff9a7ed43917
- Subnet ID:** subnet-082002ab69bfa9f8
- Instance ARN:** arn:aws:ec2:us-east-2:913218764078:instance/i-0348a7d913ac7b094

Details Tab:

- AMI ID:** ami-06e3c045d79fd65d9
- AMI name:** -
- Stop protection:** Disabled
- Monitoring:** disabled
- Allowed image:** -
- Launch time:** Thu Jan 22 2026 18:07:07 GMT+0530 (India Standard Time) (less than a minute)
- Platform details:** Linux/UNIX
- Termination protection:** Disabled
- AMI location:** -

Actions: Connect, Instance state, Actions

```
junaid@LAPTOP-GU5B805P:~  
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
  
PS C:\Users\Junaid> wsl  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ ssh -i test1.pem ubuntu@3.147.63.195  
Warning: Identity file test1.pem not accessible: No such file or directory.  
The authenticity of host '3.147.63.195 (3.147.63.195)' can't be established.  
ED25519 key fingerprint is SHA256:aFrolfjTyLmsseyW6mIurEGbwDJAduKsTMxYzp2yzJ4.  
This key is not known by any other names.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '3.147.63.195' (ED25519) to the list of known hosts.  
ubuntu@3.147.63.195: Permission denied (publickey).  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ cd /mnt/c/Users/Junaid/Downloads  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ ls test1.pem  
test1.pem  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ chmod 400 test1.pem  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ ls -l test1.pem  
-r-xr-xr-x 1 junaid junaid 1678 Jan 22 12:35 test1.pem  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ ssh -i test1.pem ubuntu@3.147.63.195  
@@@@@@@  
@ WARNING: UNPROTECTED PRIVATE KEY FILE! @  
@@@@@@@  
Permissions 0555 for 'test1.pem' are too open.  
It is required that your private key files are NOT accessible by others.  
This private key will be ignored.  
Load key "test1.pem": bad permissions  
ubuntu@3.147.63.195: Permission denied (publickey).  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ chmod 400 test1.pem  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ ls -l test1.pem  
-r-xr-xr-x 1 junaid junaid 1678 Jan 22 12:35 test1.pem  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ ssh -i test1.pem ubuntu@3.147.63.195  
@@@@@@@  
@ WARNING: UNPROTECTED PRIVATE KEY FILE! @  
@@@@@@@  
Permissions 0555 for 'test1.pem' are too open.  
It is required that your private key files are NOT accessible by others.  
This private key will be ignored.  
Load key "test1.pem": bad permissions  
ubuntu@3.147.63.195: Permission denied (publickey).  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ cp /mnt/c/Users/Junaid/Downloads/test1.pem ~/  
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid/Downloads$ cd ~  
junaid@LAPTOP-GU5B805P:~$ pwd  
/home/junaid  
junaid@LAPTOP-GU5B805P:~$ chmod 400 test1.pem  
junaid@LAPTOP-GU5B805P:~$ ls -l test1.pem  
-r----- 1 junaid junaid 1678 Jan 22 12:43 test1.pem  
junaid@LAPTOP-GU5B805P:~$ ssh -i ~/test1.pem ubuntu@3.147.63.195  
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1018-aws x86_64)  
  
* Documentation: https://help.ubuntu.com
```

```
junaid@LAPTOP-GU5B805P: ~
Get:31 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7284 B]
Get:32 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [368 B]
Get:33 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [29.5 kB]
Get:34 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [17.9 kB]
Get:35 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [10.5 kB]
]
Get:36 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [144
4 B]
Get:37 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
]
Get:38 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [1
16 B]
Get:39 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
]
Get:40 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [1
16 B]
Get:41 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1409 kB]
Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [229 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 [9800 B]
Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [924 kB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [209 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 [19.7 kB]
Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [2302 kB]
Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [527 kB]
Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:52 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [28.0 kB]
Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [6472 B]
Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [384 B]
Fetched 39.3 MB in 6s (6576 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
55 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-12-192:~$ client_loop: send disconnect: Broken pipe
junaid@LAPTOP-GU5B805P:~$
```

```
ubuntu@ip-172-31-12-192: ~

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Thu Jan 22 12:44:06 2026 from 42.111.145.224
ubuntu@ip-172-31-12-192:~$ sudo apt install docker.io -y
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 55 not upgraded.
Need to get 76.0 MB of archives.
After this operation, 288 MB of additional disk space will be used.
Get:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/main amd64 bridge-utils amd64 1.7.1-1ubuntu2 [33.9 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 runc amd64 1.3.3-0ubuntu1~24.04.3 [8815 kB]
Get:4 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 containerd amd64 1.7.28-0ubuntu1~24.04.1 [38.4 MB]
Get:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 dns-root-data all 2024071801~ubuntu0.24.04.1 [5918 B]
Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 dnsmasq-base amd64 2.90-2ubuntu0.1 [376 kB]
Get:7 http://us-east-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://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 ubuntu-fan all 0.12.16+24.04.1 [34.2 kB]
Fetched 76.0 MB in 1s (88.9 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_1.7.28-0ubuntu1~24.04.1_amd64.deb ...
Unpacking containerd (1.7.28-0ubuntu1~24.04.1) ...
Selecting previously unselected package dns-root-data.
Preparing to unpack .../4-dns-root-data_2024071801~ubuntu0.24.04.1_all.deb ...
```

```
ubuntu@ip-172-31-12-192: ~
Preparing to unpack .../3-containerd_1.7.28-0ubuntu1~24.04.1_amd64.deb ...
Unpacking containerd (1.7.28-0ubuntu1~24.04.1) ...
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 (1.7.28-0ubuntu1~24.04.1) ...
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-172-31-12-192:~$
```



```
ubuntu@ip-172-31-12-192:~$ sudo systemctl start docker
sudo systemctl enable docker
ubuntu@ip-172-31-12-192:~$ docker --version
Docker version 28.2.2, build 28.2.2-0ubuntu1~24.04.1
ubuntu@ip-172-31-12-192:~$
```

```
junaid@LAPTOP-GU5B805P:~
```

```
System load: 0.0 Temperature: -273.1 °C
Usage of /: 26.0% of 6.71GB Processes: 112
Memory usage: 22% Users logged in: 0
Swap usage: 0% IPv4 address for ens5: 172.31.12.192

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-172-31-12-192:~$ sudo apt update
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:10 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:11 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:13 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1698 kB]
Get:14 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [314 kB]
Get:15 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:16 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [16.0 kB]
Get:17 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1519 kB]
Get:18 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [310 kB]
Get:19 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [386 kB]
Get:20 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.6 kB]
Get:21 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [2426 kB]
Get:22 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [554 kB]

ubuntu@ip-172-31-12-192:~$ sudo systemctl start docker
sudo systemctl enable docker
ubuntu@ip-172-31-12-192:~$ docker --version
Docker version 28.2.2, build 28.2.2-0ubuntu1~24.04.1
ubuntu@ip-172-31-12-192:~$
```

```
ubuntu@ip-172-31-12-192:~$ sudo usermod -aG docker ubuntu
ubuntu@ip-172-31-12-192:~$ newgrp docker
ubuntu@ip-172-31-12-192:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
ubuntu@ip-172-31-12-192:~$
```

```
ubuntu@ip-172-31-12-192:~$ docker images
REPOSITORY      TAG      IMAGE ID      CREATED      SIZE
ubuntu@ip-172-31-12-192:~$ docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
119d43eec815: Pull complete
700146c8ad64: Pull complete
d989100b8a84: Pull complete
500799c30424: Pull complete
10b68cfefee1: Pull complete
57f0dd1befe2: Pull complete
eaf8753feae0: Pull complete
Digest: sha256:c881927c4077710ac4b1da63b83aa163937fb47457950c267d92f7e4dedf4aec
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
ubuntu@ip-172-31-12-192:~$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
a3629ac5b9f4: Pull complete
Digest: sha256:cd1dba651b3080c3686ecf4e3c4220f026b521fb76978881737d24f200828b2b
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
ubuntu@ip-172-31-12-192:~$ docker images
REPOSITORY      TAG      IMAGE ID      CREATED      SIZE
ubuntu          latest   493218ed0f40   9 days ago   78.1MB
nginx           latest   4af177a024eb   9 days ago   161MB
ubuntu@ip-172-31-12-192:~$
```

```
ubuntu@ip-172-31-12-192:~$ docker pull ubuntu
docker images
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: He
ad "http://%2Fvar%2Frun%2Fdocker.sock/_ping": dial unix /var/run/docker.sock: connect: permission denied
Using default tag: latest
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Po
st "http://%2Fvar%2Frun%2Fdocker.sock/v1.50/images/create?fromImage=docker.io%2Flibrary%2Fnginx&tag=late
st": dial unix /var/run/docker.sock: connect: permission denied
Using default tag: latest
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Po
st "http://%2Fvar%2Frun%2Fdocker.sock/v1.50/images/create?fromImage=docker.io%2Flibrary%2Fubuntu&tag=lat
est": dial unix /var/run/docker.sock: connect: permission denied
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: He
ad "http://%2Fvar%2Frun%2Fdocker.sock/_ping": dial unix /var/run/docker.sock: connect: permission denied
ubuntu@ip-172-31-12-192:~$ sudo usermod -aG docker ubuntu
ubuntu@ip-172-31-12-192:~$ newgrp docker
ubuntu@ip-172-31-12-192:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
ubuntu@ip-172-31-12-192:~$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu@ip-172-31-12-192:~$ docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
119d43eec815: Pull complete
700146c8ad64: Pull complete
d989100b8a84: Pull complete
500799c30424: Pull complete
10b68cfefee1: Pull complete
57f0dd1befef2: Pull complete
eaf8753feae0: Pull complete
Digest: sha256:c881927c4077710ac4b1da63b83aa163937fb47457950c267d92f7e4def4aec
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
ubuntu@ip-172-31-12-192:~$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
a3629ac5b9f4: Pull complete
Digest: sha256:cd1dba651b3080c3686ecf4e3c4220f026b521fb76978881737d24f200828b2b
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
ubuntu@ip-172-31-12-192:~$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu latest 493218ed0f40 9 days ago 78.1MB
nginx latest 4af177a024eb 9 days ago 161MB
ubuntu@ip-172-31-12-192:~$ docker run -d --name mynginx -p 80:80 nginx
74322d85be3088921414ded86659e136e56d901e48ac0e51bbc7d466b54adbfb
ubuntu@ip-172-31-12-192:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAME
74322d85be30 nginx "/docker-entrypoint...." About a minute ago Up About a minute 0.0.0.0:80->8
0/tcp, [::]:80->80/tcp mynginx
ubuntu@ip-172-31-12-192:~$
```

The screenshot shows two side-by-side browser windows. The left window is the AWS EC2 Security Groups console, specifically the 'Details' view for a security group named 'sg-00daafb20715ca374 - launch-wizard-1'. It displays the following details:

Security group name	Security group ID	Description
sg-launch-wizard-1	sg-00daafb20715ca374	Launch-wizard-1 created 2026-01-22T12:15:38.104Z
Owner	VPC ID	
913218764078	vpc-062b2ff9a7ed43917	

Under the 'Inbound rules' tab, there are two entries:

Name	Security group rule ID	IP version	Type	Protocol	Port range	Source	Description
-	sgr-0bad8dddb3228f41a	IPv4	HTTP	TCP	80	0.0.0.0/0	-
-	sgr-0ec14e860b4c54ce2	IPv4	SSH	TCP	22	0.0.0.0/0	-

The right window shows the 'Welcome to nginx!' landing page, indicating that the configuration is successfully installed and working.

```
ubuntu@ip-172-31-12-192:~$ curl localhost
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
ubuntu@ip-172-31-12-192:~$ docker volume create myvolume
myvolume
ubuntu@ip-172-31-12-192:~$ docker volume ls
DRIVER      VOLUME NAME
local        myvolume
ubuntu@ip-172-31-12-192:~$ docker volume inspect myvolume
[
  {
    "CreatedAt": "2026-01-22T13:14:42Z",
    "Driver": "local",
    "Labels": null,
    "Mountpoint": "/var/lib/docker/volumes/myvolume/_data",
    "Name": "myvolume",
    "Options": null,
    "Scope": "local"
  }
]
ubuntu@ip-172-31-12-192:~$
```

```
ubuntu@ip-172-31-12-192:~$ docker network ls
NETWORK ID      NAME      DRIVER      SCOPE
a92b880366c3    bridge    bridge      local
74b2c3d57bde   host      host       local
1a8ccf31b7a0   none      null      local
ubuntu@ip-172-31-12-192:~$ docker network create mynetwork
bf47521afe32a3a605d4a5f225b040df499b4e0c1163f8b01ec03125a29052c6
ubuntu@ip-172-31-12-192:~$ docker network inspect mynetwork
[
  {
    "Name": "mynetwork",
    "Id": "bf47521afe32a3a605d4a5f225b040df499b4e0c1163f8b01ec03125a29052c6",
    "Created": "2026-01-22T13:15:29.700844154Z",
    "Scope": "local",
    "Driver": "bridge",
    "EnableIPv4": true,
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": {},
      "Config": [
        {
          "Subnet": "172.18.0.0/16",
          "Gateway": "172.18.0.1"
        }
      ]
    },
    "Internal": false,
    "Attachable": false,
    "Ingress": false,
    "ConfigFrom": {
      "Network": ""
    },
    "ConfigOnly": false,
    "Containers": {},
    "Options": {},
    "Labels": {}
  }
]
ubuntu@ip-172-31-12-192:~$
```

```
ubuntu@ip-172-31-12-192:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-12-192:~$ mkdir docker-ec2-assignment
ubuntu@ip-172-31-12-192:~$ cd docker-ec2-assignment
ubuntu@ip-172-31-12-192:~/docker-ec2-assignment$ pwd
/home/ubuntu/docker-ec2-assignment
ubuntu@ip-172-31-12-192:~/docker-ec2-assignment$
```