

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

Instances (1/2) info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 .
ec2-docker	i-08c44059beb9f46f6	Running	t2.micro	2/2 checks passed	View alarms +	ap-south-1b	ec2-13-201-190-151.ap...	13.201.190.1
vigdocker	i-0b2770549a4b5a125	Terminated	t2.micro	-	View alarms +	ap-south-1a	-	-

i-08c44059beb9f46f6 (ec2-docker)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID: i-08c44059beb9f46f6

IPv6 address: -

Hostname type: IP name: ip-172-31-1-20.ap-south-1.compute.internal

Answer private resource DNS name: -

Public IPv4 address: 13.201.190.151 | open address

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-1-20.ap-south-1.compute.internal

Instance type: t2.micro

Private IPv4 addresses: 172.31.1.20

Public IPv4 DNS: ec2-13-201-190-151.ap-south-1.compute.amazonaws.com | open address

Elastic IP addresses: -

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-08c44059beb9f46f6&osUser=ec2-user&sshPort=22&addressFamily=ipv4

```
Amazon Linux 2
AL2 End of Life is 2026-06-30.

A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-172-31-1-20 ~]$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
No packages marked for update
[ec2-user@ip-172-31-1-20 ~]$ sudo amazon-linux-extras install docker
Installing docker
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-kernel-5.10
17 metadata files removed
6 sqlite files removed
0 metadata files removed
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
amzn2extra-docker
amzn2extra-kernel-5.10
(1/7): amzn2-core/2/x86_64/group.gp
(2/7): amzn2-core/2/x86_64/updateinfo
(3/7): amzn2extra-docker/2/x86_64/updateinfo
(4/7): amzn2extra-docker/2/x86_64/primary.db
(5/7): amzn2extra-kernel-5.10/2/x86_64/updateinfo
(6/7): amzn2extra-kernel-5.10/2/x86_64/primary.db
(7/7): amzn2-core/2/x86_64/primary.db
Resolving Dependencies
--> Running transaction check
--> Package docker.x86_64 0:25.0.6-1.amzn2.0.3 will be installed
--> Processing Dependency: containerd >= 1.3.2 for package: docker-25.0.6-1.amzn2.0.3.x86_64
--> Processing Dependency: libcgrouper >= 0.40.rc1-5.15 for package: docker-25.0.6-1.amzn2.0.3.x86_64
--> Processing Dependency: runc >= 1.0.0 for package: docker-25.0.6-1.amzn2.0.3.x86_64
--> Processing Dependency: pigz for package: docker-25.0.6-1.amzn2.0.3.x86_64
--> Running transaction check
--> Package containerd.x86_64 0:1.7.25-1.amzn2.0.1 will be installed
--> Package libcgrouper.x86_64 0:0.41-21.amzn2 will be installed
```

i-08c44059beb9f46f6 (ec2-docker)

PublicIPs: 13.201.190.151 PrivateIPs: 172.31.1.20

← → ↻

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-08c44059beb9f46f6&osUser=ec2-user&sshPort=22&addressFamily=ipv4

☆ 🗂️ ⓘ

📁 New folder

🔗 Bit Bucket

🔗 Jenkins

🔗 Jira

🔗 china Prod

🔗 Portal Prod

🔗 Portal preprod

🔗 MEL Prod

🔗 MEL Preprod

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🔗 📧 ⚙️

Asia Pacific (Mumbai) ▾

Vignesh Rajesh ▾

🔗 VPC

🔗 EC2

🔗 S3

🔗 CloudTrail

🔗

=====

Package	Arch	Version	Repository	Size
Installing:				
docker	x86_64	25.0.6-1.amzn2.0.3	amzn2extra-docker	45 M
Installing for dependencies:				
containerd	x86_64	1.7.25-1.amzn2.0.1	amzn2extra-docker	31 M
libcgrou	x86_64	0.41-21.amzn2	amzn2-core	66 k
pigz	x86_64	2.3.4-1.amzn2.0.1	amzn2-core	81 k
runc	x86_64	1.2.4-1.amzn2	amzn2extra-docker	3.4 M

Transaction Summary

=====

Install 1 Package (+4 Dependent packages)

Total download size: 79 M

Installed size: 286 M

is this ok [y/d/N]: y

Downloading packages:

(1/5): libcgrou-0.41-21.amzn2.x86_64.rpm

(2/5): pigz-2.3.4-1.amzn2.0.1.x86_64.rpm

(3/5): containerd-1.7.25-1.amzn2.0.1.x86_64.rpm

(4/5): docker-25.0.6-1.amzn2.0.3.x86_64.rpm

(5/5): runc-1.2.4-1.amzn2.x86_64.rpm

=====

Total

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : runc-1.2.4-1.amzn2.x86_64

Installing : containerd-1.7.25-1.amzn2.0.1.x86_64

Installing : libcgrou-0.41-21.amzn2.x86_64

Installing : pigz-2.3.4-1.amzn2.0.1.x86_64

Installing : docker-25.0.6-1.amzn2.0.3.x86_64

Verifying : runc-1.2.4-1.amzn2.x86_64

Verifying : pigz-2.3.4-1.amzn2.0.1.x86_64

Verifying : docker-25.0.6-1.amzn2.0.3.x86_64

Verifying : containerd-1.7.25-1.amzn2.0.1.x86_64

Verifying : libcgrou-0.41-21.amzn2.x86_64

=====

Installed:

64 MB/s | 79 MB 00:00:01

i-08c44059beb9f46f6 (ec2-docker)

PublicIPs: [13.201.190.151](#) PrivateIPs: 172.31.1.20

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☆ 🗂️ ⓘ

📁 New folder

🔗 Bit Bucket

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Asia Pacific (Mumbai) ▾

Vignesh Rajesh ▾

🔗 VPC

🔗 EC2

🔗 S3

🔗 CloudTrail

🔗

Installed:

docker.x86_64 0:25.0.6-1.amzn2.0.3

Dependency Installed:

containerd.x86_64 0:1.7.25-1.amzn2.0.1

libcgrou.x86_64 0:0.41-21.amzn2

pigz.x86_64 0:2.3.4-1.amzn2.0.1

runc.x86_64 0:1.2.4-1.amzn2

Complete!

2 httpd_modules available [=1.0 =stable]

3 memcached1.5 available \

[=1.5.1 =1.5.16 =1.5.17]

9 R3.4 available [=3.4.3 =stable]

10 rust1 available \

[=1.22.1 =1.26.0 =1.26.1 =1.27.2 =1.31.0 =1.38.0

=stable]

18 libreoffice available \

[=5.0.6.2_15 =5.3.6.1 =stable]

19 gimp available [=2.8.22]

20 tdocker=latest enabled \

[=17.12.1 =18.03.1 =18.06.1 =18.09.9 =stable]

21 mate-desktop.x available \

[=1.19.0 =1.20.0 =stable]

22 GraphicsMagick1.3 available \

[=1.3.29 =1.3.32 =1.3.34 =stable]

24 epel available [=7.11 =stable]

25 testing available [=1.0 =stable]

26 ecs available [=stable]

27 tcorretto8 available \

[=1.8.0_192 =1.8.0_202 =1.8.0_212 =1.8.0_222 =1.8.0_232

=1.8.0_242 =stable]

32 lustre2.10 available \

[=2.10.5 =2.10.8 =stable]

34 lynix available [=stable]

36 BCC available [=0.x =stable]

37 mono available [=5.X =stable]

38 nginx1 available [=stable]

40 mock available [=stable]

43 livepatch available [=stable]

45 haproxy2 available [=stable]

46 collectd available [=stable]

47 aws-nitro-enclaves-cli available [=stable]

48 R4 available [=stable]

kernel-5.4 available [=stable]

50 selinux-ng available [=stable]

i-08c44059beb9f46f6 (ec2-docker)

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[Option+5]

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EC2

S3

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61 dnsmasq2.85 available [=stable]

62 kernel-5.15 available [=stable]

63 postgresql14 available [=stable]

64 firefox available [=stable]

65 lustre available [=stable]

67 awscli1 available [=stable]

68 php8.2 available [=stable]

69 dnsmasq available [=stable]

70 unbound1.17 available [=stable]

72 collectd-python3 available [=stable]

! Note on end-of-support. Use 'info' subcommand.

(ec2-user@ip-172-31-1-20 ~)\$ sudo service docker start

Redirecting to /bin/systemctl start docker.service

(ec2-user@ip-172-31-1-20 ~)\$ sudo usermod -a -G docker ec2-user

(ec2-user@ip-172-31-1-20 ~)\$ pwd

/home/ec2-user

(ec2-user@ip-172-31-1-20 ~)\$ mkdir downloads

(ec2-user@ip-172-31-1-20 ~)\$ cd downloads/

(ec2-user@ip-172-31-1-20 downloads)\$ pwd

/home/ec2-user/downloads

(ec2-user@ip-172-31-1-20 downloads)\$ ls

app.py Dockerfile requirements.txt

(ec2-user@ip-172-31-1-20 downloads)\$ docker build -t ec2-flask:v1.0 -f Dockerfile

ERROR: docker buildx build requires exactly 1 argument.

See 'docker buildx build --help'.

Usage: docker buildx build [OPTIONS] PATH | URL | -

Start a build

(ec2-user@ip-172-31-1-20 downloads)\$ docker build -t ec2-flask:v1.0 -f Dockerfile .

ERROR: permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar2Frun2Fdocker.sock/_ping": dial unix /var/run/docker.sock: co

insect: permission denied

(ec2-user@ip-172-31-1-20 downloads)\$ sudo docker build -t ec2-flask:v1.0 -f Dockerfile .

(+) Building 10.2s (9/9) FINISHED

docker:default

=> [internal] load build definition from Dockerfile

=> 0.0s

=> transferring dockerfile: 521B

=> 0.0s

=> [internal] load metadata for docker.io/library/python:3.9-slim

=> 2.4s

=> [internal] load .dockerignore

=> 0.0s

=> transferring context: 2B

=> 0.0s

=> [1/4] FROM docker.io/library/python:3.9-slim#sha256:f9364cd6e0c146966f8f23fc4fd85d53f2e604bde74e3c06565194dc4a02f85

=> 3.8s

=> resolve docker.io/library/python:3.9-slim#sha256:f9364cd6e0c146966f8f23fc4fd85d53f2e604bde74e3c06565194dc4a02f85

=> 0.0s

=> sha256:f9364cd6e0c146966f8f23fc4fd85d53f2e604bde74e3c06565194dc4a02f85 10.41kB / 10.41kB

=> 0.0s

=> sha256:ec278b27212b4d4b4b79a772f3c4458dbef15d9644cd9c94bb3fd9d0bb5c 1.75kB / 1.75kB

=> 0.0s

i-08c44059beb9f46f6 (ec2-docker)

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sgo docker buildx build --help .

Usage: docker buildx build [OPTIONS] PATH | URL | -

Start a build

(ec2-user@ip-172-31-1-20 downloads)\$ docker build -t ec2-flask:v1.0 -f Dockerfile .

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insect: permission denied

(ec2-user@ip-172-31-1-20 downloads)\$ sudo docker build -t ec2-flask:v1.0 -f Dockerfile .

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docker:default

=> [internal] load build definition from Dockerfile

=> 0.0s

=> transferring dockerfile: 521B

=> 0.0s

=> [internal] load metadata for docker.io/library/python:3.9-slim

=> 2.4s

=> [internal] load .dockerignore

=> 0.0s

=> transferring context: 2B

=> 0.0s

=> [1/4] FROM docker.io/library/python:3.9-slim#sha256:f9364cd6e0c146966f8f23fc4fd85d53f2e604bde74e3c06565194dc4a02f85

=> 3.8s

=> resolve docker.io/library/python:3.9-slim#sha256:f9364cd6e0c146966f8f23fc4fd85d53f2e604bde74e3c06565194dc4a02f85

=> 0.0s

=> sha256:f9364cd6e0c146966f8f23fc4fd85d53f2e604bde74e3c06565194dc4a02f85 10.41kB / 10.41kB

=> 0.0s

=> sha256:096343841dd9d1290b772170e0b3cd1ed4a0c0924029a892725637f51c1 5.28kB / 5.28kB

=> 0.0s

=> sha256:c29f5b76f736a8b555fd191c48d6581bb918bd605a7cbcc76205d6acff3260 28.21MB / 28.21MB

=> 0.8s

=> sha256:9315c4821e723a7fb42220024e56534ecd042bd9ebb91aa3487c0a90cbb9710 3.51MB / 3.51MB

=> 0.5s

=> sha256:7e8ac65e25aaa3b7a0cef09164fd2c6879c88b27bc9d50b5be34166a11479656 14.93MB / 14.93MB

=> 1.1s

=> sha256:b2c995e9f45f14d54e45d1d0c50396482c1a6c1cbbf5e6105c9e49ef9afba 248B / 248B

=> 1.6s

=> extracting sha256:c29f5b76f736a8b555fd191c48d6581bb918bd605a7cbcc76205d6acff3260

=> 0.2s

=> extracting sha256:9315c4821e723a7fb42220024e56534ecd042bd9ebb91aa3487c0a90cbb9710

=> 0.8s

=> extracting sha256:7e8ac65e25aaa3b7a0cef09164fd2c6879c88b27bc9d50b5be34166a11479656

=> 0.0s

=> extracting sha256:b2c995e9f45f14d54e45d1d0c50396482c1a6c1cbbf5e6105c9e49ef9afba

=> 0.0s

=> [internal] load build context

=> 0.0s

=> transferring context: 874B

=> 0.0s

=> [2/4] WORKDIR /app

=> 0.1s

=> [1/4] COPY . /app

=> 0.0s

=> [4/4] RUN pip install -r requirements.txt

=> 3.5s

=> exporting to image

=> 0.2s

=> exporting layers

=> 0.2s

=> writing image sha256:0786407ed6bed4b32d14313c994fbc7e0927df7bd6c6e78b59856cbb1a54af00

=> 0.0s

=> naming to docker.io/library/ec2-flask:v1.0

=> 0.0s

(ec2-user@ip-172-31-1-20 downloads)\$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ec2-flask v1.0 0786407ed6be 50 seconds ago 138MB

(ec2-user@ip-172-31-1-20 downloads)\$ sudo docker run -d -p 80:5000 ec2-flask:v1.0

34e9c69e860eaacc66b8046d6f7cf3c85e309fbc6004d3733014268f7848ec

(ec2-user@ip-172-31-1-20 downloads)\$ |

i-08c44059beb9f46f6 (ec2-docker)

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