login as: ubuntus

Authenticating with public key "imported-openssh-key"

Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.11.0-1020-aws x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

System information as of Sat Dec 11 02:34:32 UTC 2021

System load: 0.9 Processes: 110

Usage of /: 1.0% of 436.17GB Users logged in: 0

Memory usage: 27% IPv4 address for docker0: 172.17.0.1

Swap usage: 0% IPv4 address for eth0: 172.31.35.7

\* Ubuntu Pro delivers the most comprehensive open source security and

compliance features.

https://ubuntu.com/aws/pro

42 updates can be applied immediately.

26 of these updates are standard security updates.

To see these additional updates run: apt list --upgradable

Last login: Fri Dec 10 11:12:36 2021 from 49.204.200.64

ubuntu@ip-172-31-35-7:~$ sudo -i

root@ip-172-31-35-7:~# cd /opt

root@ip-172-31-35-7:/opt# ls

Dockerfile containerd

root@ip-172-31-35-7:/opt# docker build -t binary .

Sending build context to Docker daemon 3.584kB

Step 1/12 : FROM maven:3.8.4-jdk-8

---> b7e000b325f4

Step 2/12 : WORKDIR /opt

---> Using cache

---> ed1125c0f487

Step 3/12 : RUN apt install wget -y

---> Using cache

---> f7dc7cd8fbc9

Step 4/12 : RUN wget https://archive.apache.org/dist/tomcat/tomcat-8/v8.5.3/bin/ apache-tomcat-8.5.3.tar.gz

---> Using cache

---> 4919c37cff82

Step 5/12 : RUN tar -xvf apache-tomcat-8.5.3.tar.gz

---> Using cache

---> 89e163265ae0

Step 6/12 : EXPOSE 8080

---> Using cache

---> ec244630e18f

Step 7/12 : CMD ["/opt/apache-tomcat-8.5.3/bin/catalina.sh","run"]

---> Using cache

---> 91ec549695c7

Step 8/12 : RUN apt install git -y

---> Using cache

---> e9e466a58b2a

Step 9/12 : RUN git clone https://github.com/RavitejaAdepudi/javawar.git

---> Using cache

---> bffcfe7b8b30

Step 10/12 : WORKDIR /opt/javawar

---> Using cache

---> 8129311f6e3a

Step 11/12 : RUN mvn install

---> Using cache

---> da7f709cf0ac

Step 12/12 : RUN cp -R /opt/javawar/target/\* /opt/apache-tomcat-8.5.3/webapps

---> Using cache

---> 824eb430d9cd

Successfully built 824eb430d9cd

Successfully tagged binary:latest

root@ip-172-31-35-7:/opt# docker run -it -d --name binarycontainer -p 8080:8080

"docker run" requires at least 1 argument.

See 'docker run --help'.

Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Run a command in a new container

root@ip-172-31-35-7:/opt# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

root@ip-172-31-35-7:/opt# vi docker

root@ip-172-31-35-7:/opt# vi Dockerfile

root@ip-172-31-35-7:/opt# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

binary latest 824eb430d9cd 15 hours ago 567MB

mycustomimage latest 824eb430d9cd 15 hours ago 567MB

maven 3.8.4-jdk-8 b7e000b325f4 7 days ago 537MB

nginx latest f652ca386ed1 8 days ago 141MB

sonarqube latest cb35e2de836c 11 days ago 549MB

maven latest 1bfb542d4598 2 weeks ago 786MB

root@ip-172-31-35-7:/opt# docker run -it -d --name binarycontainer2 -p 8081:8080 824eb430d9cd

4311ec11b55da4483e8fce4610d86dff047fd89c62f87601a75878fb8772db4a

root@ip-172-31-35-7:/opt# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

4311ec11b55d 824eb430d9cd "/usr/local/bin/mvn-…" 9 seconds ago Up 5 seco nds 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp binarycontainer2

root@ip-172-31-35-7:/opt# vi Dockerfile

root@ip-172-31-35-7:/opt# echo " i am nanda" >> nanda.txt

root@ip-172-31-35-7:/opt# ls

Dockerfile containerd nanda.txt

root@ip-172-31-35-7:/opt# cd containerd/

root@ip-172-31-35-7:/opt/containerd# ls

bin lib

root@ip-172-31-35-7:/opt/containerd# vi Dockerfile

root@ip-172-31-35-7:/opt/containerd# docker build -t myadd .

Sending build context to Docker daemon 3.072kB

Error response from daemon: dockerfile parse error line 3: ADD requires at least two argument s, but only one was provided. Destination could not be determined.

root@ip-172-31-35-7:/opt/containerd# vi Dockerfile

root@ip-172-31-35-7:/opt/containerd# docker build -t myadd1 .

Sending build context to Docker daemon 3.072kB

Step 1/3 : FROM maven:3.8.4-jdk-8

---> b7e000b325f4

Step 2/3 : WORKDIR /opt

---> Using cache

---> ed1125c0f487

Step 3/3 : ADD /opt/nanda.txt /opt

ADD failed: file not found in build context or excluded by .dockerignore: stat opt/nanda.txt: file does not exist

root@ip-172-31-35-7:/opt/containerd# cd ..

root@ip-172-31-35-7:/opt# ls

Dockerfile containerd nanda.txt

root@ip-172-31-35-7:/opt# cd containerd/

root@ip-172-31-35-7:/opt/containerd# ls

Dockerfile bin lib

root@ip-172-31-35-7:/opt/containerd# vi Dockerfile

root@ip-172-31-35-7:/opt/containerd# cd ..

root@ip-172-31-35-7:/opt# ls

Dockerfile containerd nanda.txt

root@ip-172-31-35-7:/opt# apt install git -y

Reading package lists... Done

Building dependency tree

Reading state information... Done

git is already the newest version (1:2.25.1-1ubuntu3.2).

git set to manually installed.

0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.

root@ip-172-31-35-7:/opt# git clone https://github.com/RavitejaAdepudi/javawar.git

Cloning into 'javawar'...

remote: Enumerating objects: 440, done.

remote: Counting objects: 100% (3/3), done.

remote: Compressing objects: 100% (3/3), done.

remote: Total 440 (delta 0), reused 0 (delta 0), pack-reused 437

Receiving objects: 100% (440/440), 83.22 KiB | 2.87 MiB/s, done.

Resolving deltas: 100% (217/217), done.

root@ip-172-31-35-7:/opt# ls

Dockerfile containerd javawar nanda.txt

root@ip-172-31-35-7:/opt# cd containerd/

root@ip-172-31-35-7:/opt/containerd# ls

Dockerfile bin lib

root@ip-172-31-35-7:/opt/containerd# vi Dockerfile

root@ip-172-31-35-7:/opt/containerd# vi Dockerfile

root@ip-172-31-35-7:/opt/containerd# vi Dockerfile

root@ip-172-31-35-7:/opt/containerd# docker build -t add4 .

Sending build context to Docker daemon 3.072kB

Step 1/11 : FROM maven:3.8.4-jdk-8

---> b7e000b325f4

Step 2/11 : WORKDIR /opt

---> Using cache

---> ed1125c0f487

Step 3/11 : RUN apt install wget -y

---> Using cache

---> f7dc7cd8fbc9

Step 4/11 : RUN wget https://archive.apache.org/dist/tomcat/tomcat-8/v8.5.3/bin/apache-tomcat -8.5.3.tar.gz

---> Using cache

---> 4919c37cff82

Step 5/11 : RUN tar -xvf apache-tomcat-8.5.3.tar.gz

---> Using cache

---> 89e163265ae0

Step 6/11 : EXPOSE 8080

---> Using cache

---> ec244630e18f

Step 7/11 : CMD ["/opt/apache-tomcat-8.5.3/bin/catalina.sh","run"]

---> Using cache

---> 91ec549695c7

Step 8/11 : ADD /opt /opt/containerd/javawar

ADD failed: file not found in build context or excluded by .dockerignore: stat opt: file does not exist

root@ip-172-31-35-7:/opt/containerd# vi Dockerfile

root@ip-172-31-35-7:/opt/containerd# docker build -t add41 .

Sending build context to Docker daemon 3.072kB

Step 1/11 : FROM maven:3.8.4-jdk-8

---> b7e000b325f4

Step 2/11 : WORKDIR /opt

---> Using cache

---> ed1125c0f487

Step 3/11 : RUN apt install wget -y

---> Using cache

---> f7dc7cd8fbc9

Step 4/11 : RUN wget https://archive.apache.org/dist/tomcat/tomcat-8/v8.5.3/bin/apache-tomcat -8.5.3.tar.gz

---> Using cache

---> 4919c37cff82

Step 5/11 : RUN tar -xvf apache-tomcat-8.5.3.tar.gz

---> Using cache

---> 89e163265ae0

Step 6/11 : EXPOSE 8080

---> Using cache

---> ec244630e18f

Step 7/11 : CMD ["/opt/apache-tomcat-8.5.3/bin/catalina.sh","run"]

---> Using cache

---> 91ec549695c7

Step 8/11 : COPY /opt /opt/containerd/javawar

COPY failed: file not found in build context or excluded by .dockerignore: stat opt: file doe s not exist

root@ip-172-31-35-7:/opt/containerd# cd ..

root@ip-172-31-35-7:/opt# docker volume ls

DRIVER VOLUME NAME

root@ip-172-31-35-7:/opt# cd /var/lib

root@ip-172-31-35-7:/var/lib# ls

AccountsService dbus logrotate snapd unattended-upgrades

PackageKit dhcp man-db sudo update-manager

amazon docker misc systemd update-notifier

apport dpkg os-prober tpm usbutils

apt fwupd pam ubuntu-advantage vim

boltd git plymouth ubuntu-fan

cloud grub polkit-1 ubuntu-release-upgrader

command-not-found initramfs-tools private ucf

containerd landscape python udisks2

root@ip-172-31-35-7:/var/lib# cd docker/

root@ip-172-31-35-7:/var/lib/docker# ls

buildkit image overlay2 runtimes tmp volumes

containers network plugins swarm trust

root@ip-172-31-35-7:/var/lib/docker# cd volumes/

root@ip-172-31-35-7:/var/lib/docker/volumes# ls

backingFsBlockDev metadata.db

root@ip-172-31-35-7:/var/lib/docker/volumes# docker run -it --name myvol -v /opt/mydir ubuntu bash

Unable to find image 'ubuntubash:latest' locally

docker: Error response from daemon: pull access denied for ubuntubash, repository does not ex ist or may require 'docker login': denied: requested access to the resource is denied.

See 'docker run --help'.

root@ip-172-31-35-7:/var/lib/docker/volumes# docker run -it --name myvol -v /opt/mydir ubuntu bash

Unable to find image 'ubuntu:latest' locally

latest: Pulling from library/ubuntu

7b1a6ab2e44d: Pull complete

Digest: sha256:626ffe58f6e7566e00254b638eb7e0f3b11d4da9675088f4781a50ae288f3322

Status: Downloaded newer image for ubuntu:latest

root@5f0a59f6b25d:/# exit

exit

root@ip-172-31-35-7:/var/lib/docker/volumes# pwd

/var/lib/docker/volumes

root@ip-172-31-35-7:/var/lib/docker/volumes# cd

root@ip-172-31-35-7:~# touch docker 1.txt 2.txt

root@ip-172-31-35-7:~# ls

1.txt 2.txt docker snap

root@ip-172-31-35-7:~# docker run -it --name muvol1 -v /root:/opt/ ubuntu bash

root@554edcdb38f6:/# ls

bin dev home lib32 libx32 mnt proc run srv tmp var

boot etc lib lib64 media opt root sbin sys usr

root@554edcdb38f6:/# cd /opt

root@554edcdb38f6:/opt# ls

1.txt 2.txt docker snap

root@554edcdb38f6:/opt# docker ps -a

bash: docker: command not found

root@554edcdb38f6:/opt# exit

exit

root@ip-172-31-35-7:~# docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

554edcdb38f6 ubuntu "bash" 2 minutes ago Exited (127) 6 second s ago muvol1

5f0a59f6b25d ubuntu "bash" 3 minutes ago Exited (0) 3 minutes ago myvol

4311ec11b55d 824eb430d9cd "/usr/local/bin/mvn-…" 43 minutes ago Up 43 minutes 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp binarycontainer2

4a442cc6b682 824eb430d9cd "/usr/local/bin/mvn-…" 16 hours ago Exited (143) 16 hours ago myapp1

b638f296a175 824eb430d9cd "/usr/local/bin/mvn-…" 16 hours ago Exited (143) 16 hours ago myapp

9f135bbe1e35 cb35e2de836c "/opt/sonarqube/bin/…" 2 days ago Exited (143) 2 days a go mysq

fd65632232f1 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (0) 2 days ago mym1

0146eedbaad8 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (1) 2 days ago mym

352fef66fa2b 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (1) 2 days ago mymaven

92bd4ecf4c88 f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer2

265226fa5eaa f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer1

179104b02fe0 f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer

root@ip-172-31-35-7:~# docker rm -f 5f0a59f6b25d 554edcdb38f6

5f0a59f6b25d

554edcdb38f6

root@ip-172-31-35-7:~# docker volume create backupvol

backupvol

root@ip-172-31-35-7:~# docker volume ls

DRIVER VOLUME NAME

local 9710ab8a763df18948c837ffac2fd265644dbc8a1ffc5a74f67fe35b1ec94edf

local backupvol

root@ip-172-31-35-7:~# docker inspect backupvol

[

{

"CreatedAt": "2021-12-11T03:28:48Z",

"Driver": "local",

"Labels": {},

"Mountpoint": "/var/lib/docker/volumes/backupvol/\_data",

"Name": "backupvol",

"Options": {},

"Scope": "local"

}

]

root@ip-172-31-35-7:~# cd /var/lib/docker/volumes/backupvol

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol# ls

\_data

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol# cd \_data/

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# ls

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker run -it --name basevol -v backupvol:/opt ubuntu bash

root@22c7a952c06f:/# ls

bin boot dev etc home lib lib32 lib64 libx32 media mnt opt proc root run sbin srv sys tmp usr var

root@22c7a952c06f:/# cd opt

root@22c7a952c06f:/opt# touch 1.txt 3.txt

root@22c7a952c06f:/opt# ls

1.txt 3.txt

root@22c7a952c06f:/opt# echo "i am 1.txt " >> 1.txt

root@22c7a952c06f:/opt# echo "i am nanda" >> 3.txt

root@22c7a952c06f:/opt# echo " i am 3.txt " > 3.txt

root@22c7a952c06f:/opt# exit

exit

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

22c7a952c06f ubuntu "bash" 2 minutes ago Exited (0) 15 seconds ago basevol

4311ec11b55d 824eb430d9cd "/usr/local/bin/mvn-…" 53 minutes ago Up 53 minutes 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp binarycontainer2

4a442cc6b682 824eb430d9cd "/usr/local/bin/mvn-…" 16 hours ago Exited (143) 16 hours ago myapp1

b638f296a175 824eb430d9cd "/usr/local/bin/mvn-…" 16 hours ago Exited (143) 16 hours ago myapp

9f135bbe1e35 cb35e2de836c "/opt/sonarqube/bin/…" 2 days ago Exited (143) 2 days ago mysq

fd65632232f1 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (0) 2 days ago mym1

0146eedbaad8 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (1) 2 days ago mym

352fef66fa2b 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (1) 2 days ago mymaven

92bd4ecf4c88 f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer2

265226fa5eaa f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer1

179104b02fe0 f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker rm -f 22c7a952c06f

22c7a952c06f

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# ls

1.txt 3.txt

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# cat 3.txt

i am 3.txt

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker network ls

NETWORK ID NAME DRIVER SCOPE

e7dd99d8260c bridge bridge local

5b71fc7db6d6 host host local

c109746eb11d none null local

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

4311ec11b55d 824eb430d9cd "/usr/local/bin/mvn-…" About an hour ago Up About an hour 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp binarycontainer2

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

4311ec11b55d 824eb430d9cd "/usr/local/bin/mvn-…" About an hour ago Up About an hour 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp binarycontainer2

4a442cc6b682 824eb430d9cd "/usr/local/bin/mvn-…" 16 hours ago Exited (143) 16 hours ago myapp1

b638f296a175 824eb430d9cd "/usr/local/bin/mvn-…" 16 hours ago Exited (143) 16 hours ago myapp

9f135bbe1e35 cb35e2de836c "/opt/sonarqube/bin/…" 2 days ago Exited (143) 2 days ago mysq

fd65632232f1 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (0) 2 days ago mym1

0146eedbaad8 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (1) 2 days ago mym

352fef66fa2b 1bfb542d4598 "/usr/local/bin/mvn-…" 2 days ago Exited (1) 2 days ago mymaven

92bd4ecf4c88 f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer2

265226fa5eaa f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer1

179104b02fe0 f652ca386ed1 "/docker-entrypoint.…" 2 days ago Exited (0) 2 days ago mycontainer

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker inspect 92bd4ecf4c88

[

{

"Id": "92bd4ecf4c88353898a79e916a41944ceeebb090dde37e752497842015d3f29b",

"Created": "2021-12-09T03:12:05.75697881Z",

"Path": "/docker-entrypoint.sh",

"Args": [

"nginx",

"-g",

"daemon off;"

],

"State": {

"Status": "exited",

"Running": false,

"Paused": false,

"Restarting": false,

"OOMKilled": false,

"Dead": false,

"Pid": 0,

"ExitCode": 0,

"Error": "",

"StartedAt": "2021-12-09T03:12:06.162766634Z",

"FinishedAt": "2021-12-09T03:42:53.550011014Z"

},

"Image": "sha256:f652ca386ed135a4cbe356333e08ef0816f81b2ac8d0619af01e2b256837ed3e",

"ResolvConfPath": "/var/lib/docker/containers/92bd4ecf4c88353898a79e916a41944ceeebb090dde37e752497842015d3f29b/resolv.conf",

"HostnamePath": "/var/lib/docker/containers/92bd4ecf4c88353898a79e916a41944ceeebb090dde37e752497842015d3f29b/hostname",

"HostsPath": "/var/lib/docker/containers/92bd4ecf4c88353898a79e916a41944ceeebb090dde37e752497842015d3f29b/hosts",

"LogPath": "/var/lib/docker/containers/92bd4ecf4c88353898a79e916a41944ceeebb090dde37e752497842015d3f29b/92bd4ecf4c88353898a79e916a41944ceeebb090dde37e752497842015d3f29b-json.log",

"Name": "/mycontainer2",

"RestartCount": 0,

"Driver": "overlay2",

"Platform": "linux",

"MountLabel": "",

"ProcessLabel": "",

"AppArmorProfile": "docker-default",

"ExecIDs": null,

"HostConfig": {

"Binds": null,

"ContainerIDFile": "",

"LogConfig": {

"Type": "json-file",

"Config": {}

},

"NetworkMode": "default",

"PortBindings": {

"80/tcp": [

{

"HostIp": "",

"HostPort": "82"

}

]

},

"RestartPolicy": {

"Name": "no",

"MaximumRetryCount": 0

},

"AutoRemove": false,

"VolumeDriver": "",

"VolumesFrom": null,

"CapAdd": null,

"CapDrop": null,

"CgroupnsMode": "host",

"Dns": [],

"DnsOptions": [],

"DnsSearch": [],

"ExtraHosts": null,

"GroupAdd": null,

"IpcMode": "private",

"Cgroup": "",

"Links": null,

"OomScoreAdj": 0,

"PidMode": "",

"Privileged": false,

"PublishAllPorts": false,

"ReadonlyRootfs": false,

"SecurityOpt": null,

"UTSMode": "",

"UsernsMode": "",

"ShmSize": 67108864,

"Runtime": "runc",

"ConsoleSize": [

0,

0

],

"Isolation": "",

"CpuShares": 0,

"Memory": 0,

"NanoCpus": 0,

"CgroupParent": "",

"BlkioWeight": 0,

"BlkioWeightDevice": [],

"BlkioDeviceReadBps": null,

"BlkioDeviceWriteBps": null,

"BlkioDeviceReadIOps": null,

"BlkioDeviceWriteIOps": null,

"CpuPeriod": 0,

"CpuQuota": 0,

"CpuRealtimePeriod": 0,

"CpuRealtimeRuntime": 0,

"CpusetCpus": "",

"CpusetMems": "",

"Devices": [],

"DeviceCgroupRules": null,

"DeviceRequests": null,

"KernelMemory": 0,

"KernelMemoryTCP": 0,

"MemoryReservation": 0,

"MemorySwap": 0,

"MemorySwappiness": null,

"OomKillDisable": false,

"PidsLimit": null,

"Ulimits": null,

"CpuCount": 0,

"CpuPercent": 0,

"IOMaximumIOps": 0,

"IOMaximumBandwidth": 0,

"MaskedPaths": [

"/proc/asound",

"/proc/acpi",

"/proc/kcore",

"/proc/keys",

"/proc/latency\_stats",

"/proc/timer\_list",

"/proc/timer\_stats",

"/proc/sched\_debug",

"/proc/scsi",

"/sys/firmware"

],

"ReadonlyPaths": [

"/proc/bus",

"/proc/fs",

"/proc/irq",

"/proc/sys",

"/proc/sysrq-trigger"

]

},

"GraphDriver": {

"Data": {

"LowerDir": "/var/lib/docker/overlay2/543e3affa3edb7a9627e83c309a413c346362525f55a23865d9e31fe6d32dc43-init/diff:/var/lib/docker/overlay2/f84e93696d4a72a00994cc287f6b3df2a993c7d062f82d88c297ef14cffdf472/diff:/var/lib/docker/overlay2/6b6d139a0f6cbca0e0fe418bc88444cc377b3408455289d98d4c62c1e8dfb096/diff:/var/lib/docker/overlay2/6f5aeed218c3f85de41b80f062ca0532a6591f96fdd184771fe5338436aa1a8b/diff:/var/lib/docker/overlay2/82bc9e5c7814d8c2d8adaffec816833f5a50f9bd8dd6077cf6d8076cc2487319/diff:/var/lib/docker/overlay2/da7339e7e8875cb043c0e364f28b93d78f55bf57cdab3c8a540ac780a747f2c7/diff:/var/lib/docker/overlay2/61a83681a60f205721e2f49a9ce07b3e9dabe7834f0238d097056d6551f677b5/diff",

"MergedDir": "/var/lib/docker/overlay2/543e3affa3edb7a9627e83c309a413c346362525f55a23865d9e31fe6d32dc43/merged",

"UpperDir": "/var/lib/docker/overlay2/543e3affa3edb7a9627e83c309a413c346362525f55a23865d9e31fe6d32dc43/diff",

"WorkDir": "/var/lib/docker/overlay2/543e3affa3edb7a9627e83c309a413c346362525f55a23865d9e31fe6d32dc43/work"

},

"Name": "overlay2"

},

"Mounts": [],

"Config": {

"Hostname": "92bd4ecf4c88",

"Domainname": "",

"User": "",

"AttachStdin": false,

"AttachStdout": false,

"AttachStderr": false,

"ExposedPorts": {

"80/tcp": {}

},

"Tty": true,

"OpenStdin": true,

"StdinOnce": false,

"Env": [

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

"NGINX\_VERSION=1.21.4",

"NJS\_VERSION=0.7.0",

"PKG\_RELEASE=1~bullseye"

],

"Cmd": [

"nginx",

"-g",

"daemon off;"

],

"Image": "f652ca386ed1",

"Volumes": null,

"WorkingDir": "",

"Entrypoint": [

"/docker-entrypoint.sh"

],

"OnBuild": null,

"Labels": {

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

},

"StopSignal": "SIGQUIT"

},

"NetworkSettings": {

"Bridge": "",

"SandboxID": "582baf88dda1384ab94e71ba27db0a7f4ea7a49cec9b29e031280566a59b2bc4",

"HairpinMode": false,

"LinkLocalIPv6Address": "",

"LinkLocalIPv6PrefixLen": 0,

"Ports": {},

"SandboxKey": "/var/run/docker/netns/582baf88dda1",

"SecondaryIPAddresses": null,

"SecondaryIPv6Addresses": null,

"EndpointID": "",

"Gateway": "",

"GlobalIPv6Address": "",

"GlobalIPv6PrefixLen": 0,

"IPAddress": "",

"IPPrefixLen": 0,

"IPv6Gateway": "",

"MacAddress": "",

"Networks": {

"bridge": {

"IPAMConfig": null,

"Links": null,

"Aliases": null,

"NetworkID": "63309c1950a021ddc1b55e58b104e837d04b790317a992b3c81d6684711729e5",

"EndpointID": "",

"Gateway": "",

"IPAddress": "",

"IPPrefixLen": 0,

"IPv6Gateway": "",

"GlobalIPv6Address": "",

"GlobalIPv6PrefixLen": 0,

"MacAddress": "",

"DriverOpts": null

}

}

}

}

]

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker network network1

Usage: docker network COMMAND

Manage networks

Commands:

connect Connect a container to a network

create Create a network

disconnect Disconnect a container from a network

inspect Display detailed information on one or more networks

ls List networks

prune Remove all unused networks

rm Remove one or more networks

Run 'docker network COMMAND --help' for more information on a command.

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker network net1

Usage: docker network COMMAND

Manage networks

Commands:

connect Connect a container to a network

create Create a network

disconnect Disconnect a container from a network

inspect Display detailed information on one or more networks

ls List networks

prune Remove all unused networks

rm Remove one or more networks

Run 'docker network COMMAND --help' for more information on a command.

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker network ls

NETWORK ID NAME DRIVER SCOPE

e7dd99d8260c bridge bridge local

5b71fc7db6d6 host host local

c109746eb11d none null local

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker network create net2

221aeb5994b8e78888de353fe317fc9bbf3a5c870c31b1b5aa3708507ffcff89

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker network ls

NETWORK ID NAME DRIVER SCOPE

e7dd99d8260c bridge bridge local

5b71fc7db6d6 host host local

221aeb5994b8 net2 bridge local

c109746eb11d none null local

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker run -it -d --name net1 ubuntu bash

342e7198c0c39750022b295c65e53b88121a832ec9cadddf553463c507b26cda

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

342e7198c0c3 ubuntu "bash" 15 seconds ago Up 14 seconds net1

4311ec11b55d 824eb430d9cd "/usr/local/bin/mvn-…" About an hour ago Up About an hour 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp binarycontainer2

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker inspect 342e7198c0c3

[

{

"Id": "342e7198c0c39750022b295c65e53b88121a832ec9cadddf553463c507b26cda",

"Created": "2021-12-11T03:49:55.763432255Z",

"Path": "bash",

"Args": [],

"State": {

"Status": "running",

"Running": true,

"Paused": false,

"Restarting": false,

"OOMKilled": false,

"Dead": false,

"Pid": 16001,

"ExitCode": 0,

"Error": "",

"StartedAt": "2021-12-11T03:49:56.25592491Z",

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

},

"Image": "sha256:ba6acccedd2923aee4c2acc6a23780b14ed4b8a5fa4e14e252a23b846df9b6c1",

"ResolvConfPath": "/var/lib/docker/containers/342e7198c0c39750022b295c65e53b88121a832ec9cadddf553463c507b26cda/resolv.conf",

"HostnamePath": "/var/lib/docker/containers/342e7198c0c39750022b295c65e53b88121a832ec9cadddf553463c507b26cda/hostname",

"HostsPath": "/var/lib/docker/containers/342e7198c0c39750022b295c65e53b88121a832ec9cadddf553463c507b26cda/hosts",

"LogPath": "/var/lib/docker/containers/342e7198c0c39750022b295c65e53b88121a832ec9cadddf553463c507b26cda/342e7198c0c39750022b295c65e53b88121a832ec9cadddf553463c507b26cda-json.log",

"Name": "/net1",

"RestartCount": 0,

"Driver": "overlay2",

"Platform": "linux",

"MountLabel": "",

"ProcessLabel": "",

"AppArmorProfile": "docker-default",

"ExecIDs": null,

"HostConfig": {

"Binds": null,

"ContainerIDFile": "",

"LogConfig": {

"Type": "json-file",

"Config": {}

},

"NetworkMode": "default",

"PortBindings": {},

"RestartPolicy": {

"Name": "no",

"MaximumRetryCount": 0

},

"AutoRemove": false,

"VolumeDriver": "",

"VolumesFrom": null,

"CapAdd": null,

"CapDrop": null,

"CgroupnsMode": "host",

"Dns": [],

"DnsOptions": [],

"DnsSearch": [],

"ExtraHosts": null,

"GroupAdd": null,

"IpcMode": "private",

"Cgroup": "",

"Links": null,

"OomScoreAdj": 0,

"PidMode": "",

"Privileged": false,

"PublishAllPorts": false,

"ReadonlyRootfs": false,

"SecurityOpt": null,

"UTSMode": "",

"UsernsMode": "",

"ShmSize": 67108864,

"Runtime": "runc",

"ConsoleSize": [

0,

0

],

"Isolation": "",

"CpuShares": 0,

"Memory": 0,

"NanoCpus": 0,

"CgroupParent": "",

"BlkioWeight": 0,

"BlkioWeightDevice": [],

"BlkioDeviceReadBps": null,

"BlkioDeviceWriteBps": null,

"BlkioDeviceReadIOps": null,

"BlkioDeviceWriteIOps": null,

"CpuPeriod": 0,

"CpuQuota": 0,

"CpuRealtimePeriod": 0,

"CpuRealtimeRuntime": 0,

"CpusetCpus": "",

"CpusetMems": "",

"Devices": [],

"DeviceCgroupRules": null,

"DeviceRequests": null,

"KernelMemory": 0,

"KernelMemoryTCP": 0,

"MemoryReservation": 0,

"MemorySwap": 0,

"MemorySwappiness": null,

"OomKillDisable": false,

"PidsLimit": null,

"Ulimits": null,

"CpuCount": 0,

"CpuPercent": 0,

"IOMaximumIOps": 0,

"IOMaximumBandwidth": 0,

"MaskedPaths": [

"/proc/asound",

"/proc/acpi",

"/proc/kcore",

"/proc/keys",

"/proc/latency\_stats",

"/proc/timer\_list",

"/proc/timer\_stats",

"/proc/sched\_debug",

"/proc/scsi",

"/sys/firmware"

],

"ReadonlyPaths": [

"/proc/bus",

"/proc/fs",

"/proc/irq",

"/proc/sys",

"/proc/sysrq-trigger"

]

},

"GraphDriver": {

"Data": {

"LowerDir": "/var/lib/docker/overlay2/70b8be27b1e60c4278631db56d7252a69568d4659a7f22cbdb51c4722ba06cb0-init/diff:/var/lib/docker/overlay2/84c446e73c86b0108175d4c4493bf3629e821bda18f0353e43f050eb001f4d6b/diff",

"MergedDir": "/var/lib/docker/overlay2/70b8be27b1e60c4278631db56d7252a69568d4659a7f22cbdb51c4722ba06cb0/merged",

"UpperDir": "/var/lib/docker/overlay2/70b8be27b1e60c4278631db56d7252a69568d4659a7f22cbdb51c4722ba06cb0/diff",

"WorkDir": "/var/lib/docker/overlay2/70b8be27b1e60c4278631db56d7252a69568d4659a7f22cbdb51c4722ba06cb0/work"

},

"Name": "overlay2"

},

"Mounts": [],

"Config": {

"Hostname": "342e7198c0c3",

"Domainname": "",

"User": "",

"AttachStdin": false,

"AttachStdout": false,

"AttachStderr": false,

"Tty": true,

"OpenStdin": true,

"StdinOnce": false,

"Env": [

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

],

"Cmd": [

"bash"

],

"Image": "ubuntu",

"Volumes": null,

"WorkingDir": "",

"Entrypoint": null,

"OnBuild": null,

"Labels": {}

},

"NetworkSettings": {

"Bridge": "",

"SandboxID": "0efb33570e0e0ec7316dbfa1680f5ebc3aa388aa6799e2de68815787a3d59183",

"HairpinMode": false,

"LinkLocalIPv6Address": "",

"LinkLocalIPv6PrefixLen": 0,

"Ports": {},

"SandboxKey": "/var/run/docker/netns/0efb33570e0e",

"SecondaryIPAddresses": null,

"SecondaryIPv6Addresses": null,

"EndpointID": "215dc8f31876dd075a95be9381e4cc00ecacc7b3be99755e983e134e7ed1551e",

"Gateway": "172.17.0.1",

"GlobalIPv6Address": "",

"GlobalIPv6PrefixLen": 0,

"IPAddress": "172.17.0.3",

"IPPrefixLen": 16,

"IPv6Gateway": "",

"MacAddress": "02:42:ac:11:00:03",

"Networks": {

"bridge": {

"IPAMConfig": null,

"Links": null,

"Aliases": null,

"NetworkID": "e7dd99d8260c81dfad00bf8f194cf73a9093541d03620c3ef0626055526d08d0",

"EndpointID": "215dc8f31876dd075a95be9381e4cc00ecacc7b3be99755e983e134e7ed1551e",

"Gateway": "172.17.0.1",

"IPAddress": "172.17.0.3",

"IPPrefixLen": 16,

"IPv6Gateway": "",

"GlobalIPv6Address": "",

"GlobalIPv6PrefixLen": 0,

"MacAddress": "02:42:ac:11:00:03",

"DriverOpts": null

}

}

}

}

]

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker run -it -d --name net2 --network net2

"docker run" requires at least 1 argument.

See 'docker run --help'.

Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Run a command in a new container

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker run -it -d --name net2 --network net2 ubuntu bash

4818a8871b903aac13d5ce42e7b742c39605f60b790b0338cbbc5cd87d775409

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

4818a8871b90 ubuntu "bash" 13 seconds ago Up 12 seconds net2

342e7198c0c3 ubuntu "bash" 3 minutes ago Up 3 minutes net1

4311ec11b55d 824eb430d9cd "/usr/local/bin/mvn-…" About an hour ago Up About an hour 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp binarycontainer2

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker inspect 4818a8871b90

[

{

"Id": "4818a8871b903aac13d5ce42e7b742c39605f60b790b0338cbbc5cd87d775409",

"Created": "2021-12-11T03:52:52.121300262Z",

"Path": "bash",

"Args": [],

"State": {

"Status": "running",

"Running": true,

"Paused": false,

"Restarting": false,

"OOMKilled": false,

"Dead": false,

"Pid": 16115,

"ExitCode": 0,

"Error": "",

"StartedAt": "2021-12-11T03:52:52.836079683Z",

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

},

"Image": "sha256:ba6acccedd2923aee4c2acc6a23780b14ed4b8a5fa4e14e252a23b846df9b6c1",

"ResolvConfPath": "/var/lib/docker/containers/4818a8871b903aac13d5ce42e7b742c39605f60b790b0338cbbc5cd87d775409/resolv.conf",

"HostnamePath": "/var/lib/docker/containers/4818a8871b903aac13d5ce42e7b742c39605f60b790b0338cbbc5cd87d775409/hostname",

"HostsPath": "/var/lib/docker/containers/4818a8871b903aac13d5ce42e7b742c39605f60b790b0338cbbc5cd87d775409/hosts",

"LogPath": "/var/lib/docker/containers/4818a8871b903aac13d5ce42e7b742c39605f60b790b0338cbbc5cd87d775409/4818a8871b903aac13d5ce42e7b742c39605f60b790b0338cbbc5cd87d775409-json.log",

"Name": "/net2",

"RestartCount": 0,

"Driver": "overlay2",

"Platform": "linux",

"MountLabel": "",

"ProcessLabel": "",

"AppArmorProfile": "docker-default",

"ExecIDs": null,

"HostConfig": {

"Binds": null,

"ContainerIDFile": "",

"LogConfig": {

"Type": "json-file",

"Config": {}

},

"NetworkMode": "net2",

"PortBindings": {},

"RestartPolicy": {

"Name": "no",

"MaximumRetryCount": 0

},

"AutoRemove": false,

"VolumeDriver": "",

"VolumesFrom": null,

"CapAdd": null,

"CapDrop": null,

"CgroupnsMode": "host",

"Dns": [],

"DnsOptions": [],

"DnsSearch": [],

"ExtraHosts": null,

"GroupAdd": null,

"IpcMode": "private",

"Cgroup": "",

"Links": null,

"OomScoreAdj": 0,

"PidMode": "",

"Privileged": false,

"PublishAllPorts": false,

"ReadonlyRootfs": false,

"SecurityOpt": null,

"UTSMode": "",

"UsernsMode": "",

"ShmSize": 67108864,

"Runtime": "runc",

"ConsoleSize": [

0,

0

],

"Isolation": "",

"CpuShares": 0,

"Memory": 0,

"NanoCpus": 0,

"CgroupParent": "",

"BlkioWeight": 0,

"BlkioWeightDevice": [],

"BlkioDeviceReadBps": null,

"BlkioDeviceWriteBps": null,

"BlkioDeviceReadIOps": null,

"BlkioDeviceWriteIOps": null,

"CpuPeriod": 0,

"CpuQuota": 0,

"CpuRealtimePeriod": 0,

"CpuRealtimeRuntime": 0,

"CpusetCpus": "",

"CpusetMems": "",

"Devices": [],

"DeviceCgroupRules": null,

"DeviceRequests": null,

"KernelMemory": 0,

"KernelMemoryTCP": 0,

"MemoryReservation": 0,

"MemorySwap": 0,

"MemorySwappiness": null,

"OomKillDisable": false,

"PidsLimit": null,

"Ulimits": null,

"CpuCount": 0,

"CpuPercent": 0,

"IOMaximumIOps": 0,

"IOMaximumBandwidth": 0,

"MaskedPaths": [

"/proc/asound",

"/proc/acpi",

"/proc/kcore",

"/proc/keys",

"/proc/latency\_stats",

"/proc/timer\_list",

"/proc/timer\_stats",

"/proc/sched\_debug",

"/proc/scsi",

"/sys/firmware"

],

"ReadonlyPaths": [

"/proc/bus",

"/proc/fs",

"/proc/irq",

"/proc/sys",

"/proc/sysrq-trigger"

]

},

"GraphDriver": {

"Data": {

"LowerDir": "/var/lib/docker/overlay2/b1271f636a28a1860e52a165202a04cec667f2b8d3bb12c912de161cff467a0b-init/diff:/var/lib/docker/overlay2/84c446e73c86b0108175d4c4493bf3629e821bda18f0353e43f050eb001f4d6b/diff",

"MergedDir": "/var/lib/docker/overlay2/b1271f636a28a1860e52a165202a04cec667f2b8d3bb12c912de161cff467a0b/merged",

"UpperDir": "/var/lib/docker/overlay2/b1271f636a28a1860e52a165202a04cec667f2b8d3bb12c912de161cff467a0b/diff",

"WorkDir": "/var/lib/docker/overlay2/b1271f636a28a1860e52a165202a04cec667f2b8d3bb12c912de161cff467a0b/work"

},

"Name": "overlay2"

},

"Mounts": [],

"Config": {

"Hostname": "4818a8871b90",

"Domainname": "",

"User": "",

"AttachStdin": false,

"AttachStdout": false,

"AttachStderr": false,

"Tty": true,

"OpenStdin": true,

"StdinOnce": false,

"Env": [

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

],

"Cmd": [

"bash"

],

"Image": "ubuntu",

"Volumes": null,

"WorkingDir": "",

"Entrypoint": null,

"OnBuild": null,

"Labels": {}

},

"NetworkSettings": {

"Bridge": "",

"SandboxID": "cf942674931a2c4f9dba966ebeb9c6e33a47f46f97f2383035a9588713c5f39c",

"HairpinMode": false,

"LinkLocalIPv6Address": "",

"LinkLocalIPv6PrefixLen": 0,

"Ports": {},

"SandboxKey": "/var/run/docker/netns/cf942674931a",

"SecondaryIPAddresses": null,

"SecondaryIPv6Addresses": null,

"EndpointID": "",

"Gateway": "",

"GlobalIPv6Address": "",

"GlobalIPv6PrefixLen": 0,

"IPAddress": "",

"IPPrefixLen": 0,

"IPv6Gateway": "",

"MacAddress": "",

"Networks": {

"net2": {

"IPAMConfig": null,

"Links": null,

"Aliases": [

"4818a8871b90"

],

"NetworkID": "221aeb5994b8e78888de353fe317fc9bbf3a5c870c31b1b5aa3708507ffcff89",

"EndpointID": "8dddc81346c90d4b1cbbd28d36db464b21f19fc4d6482154cc89fe012fb78bf2",

"Gateway": "172.18.0.1",

"IPAddress": "172.18.0.2",

"IPPrefixLen": 16,

"IPv6Gateway": "",

"GlobalIPv6Address": "",

"GlobalIPv6PrefixLen": 0,

"MacAddress": "02:42:ac:12:00:02",

"DriverOpts": null

}

}

}

}

]

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

4818a8871b90 ubuntu "bash" About a minute ago Up About a minute net2

342e7198c0c3 ubuntu "bash" 4 minutes ago Up 4 minutes net1

4311ec11b55d 824eb430d9cd "/usr/local/bin/mvn-…" About an hour ago Up About an hour 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp binarycontainer2

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# docker exec -it 4818a8871b90 bash

root@4818a8871b90:/# ping 172.17.0.3

bash: ping: command not found

root@4818a8871b90:/# apt install iputils-ping -y

Reading package lists... Done

Building dependency tree

Reading state information... Done

E: Unable to locate package iputils-ping

root@4818a8871b90:/# apt update -y

Get:1 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]

Get:2 http://archive.ubuntu.com/ubuntu focal InRelease [265 kB]

Get:3 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [30.1 kB]

Get:4 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [726 kB]

Get:5 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [825 kB]

Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1329 kB]

Get:7 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]

Get:8 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]

Get:9 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages [1275 kB]

Get:10 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [11.3 MB]

Get:11 http://archive.ubuntu.com/ubuntu focal/restricted amd64 Packages [33.4 kB]

Get:12 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [177 kB]

Get:13 http://archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [788 kB]

Get:14 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [33.6 kB]

Get:15 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1749 kB]

Get:16 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1104 kB]

Get:17 http://archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [50.0 kB]

Get:18 http://archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [21.7 kB]

Fetched 20.1 MB in 3s (7139 kB/s)

Reading package lists... Done

Building dependency tree

Reading state information... Done

All packages are up to date.

root@4818a8871b90:/# apt install iputils-ping -y

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

libcap2 libcap2-bin libpam-cap

The following NEW packages will be installed:

iputils-ping libcap2 libcap2-bin libpam-cap

0 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.

Need to get 90.5 kB of archives.

After this operation, 333 kB of additional disk space will be used.

Get:1 http://archive.ubuntu.com/ubuntu focal/main amd64 libcap2 amd64 1:2.32-1 [15.9 kB]

Get:2 http://archive.ubuntu.com/ubuntu focal/main amd64 libcap2-bin amd64 1:2.32-1 [26.2 kB]

Get:3 http://archive.ubuntu.com/ubuntu focal/main amd64 iputils-ping amd64 3:20190709-3 [40.1 kB]

Get:4 http://archive.ubuntu.com/ubuntu focal/main amd64 libpam-cap amd64 1:2.32-1 [8352 B]

Fetched 90.5 kB in 0s (186 kB/s)

debconf: delaying package configuration, since apt-utils is not installed

Selecting previously unselected package libcap2:amd64.

(Reading database ... 4127 files and directories currently installed.)

Preparing to unpack .../libcap2\_1%3a2.32-1\_amd64.deb ...

Unpacking libcap2:amd64 (1:2.32-1) ...

Selecting previously unselected package libcap2-bin.

Preparing to unpack .../libcap2-bin\_1%3a2.32-1\_amd64.deb ...

Unpacking libcap2-bin (1:2.32-1) ...

Selecting previously unselected package iputils-ping.

Preparing to unpack .../iputils-ping\_3%3a20190709-3\_amd64.deb ...

Unpacking iputils-ping (3:20190709-3) ...

Selecting previously unselected package libpam-cap:amd64.

Preparing to unpack .../libpam-cap\_1%3a2.32-1\_amd64.deb ...

Unpacking libpam-cap:amd64 (1:2.32-1) ...

Setting up libcap2:amd64 (1:2.32-1) ...

Setting up libcap2-bin (1:2.32-1) ...

Setting up libpam-cap:amd64 (1:2.32-1) ...

debconf: unable to initialize frontend: Dialog

debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 76.)

debconf: falling back to frontend: Readline

debconf: unable to initialize frontend: Readline

debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC contains: /etc/perl /usr/local/lib/x86\_64-linux-gnu/perl/5.30.0 /usr/local/share/perl/5.30.0 /usr/lib/x86\_64-linux-gnu/perl5/5.30 /usr/share/perl5 /usr/lib/x86\_64-linux-gnu/perl/5.30 /usr/share/perl/5.30 /usr/local/lib/site\_perl /usr/lib/x86\_64-linux-gnu/perl-base) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 7.)

debconf: falling back to frontend: Teletype

Setting up iputils-ping (3:20190709-3) ...

Processing triggers for libc-bin (2.31-0ubuntu9.2) ...

root@4818a8871b90:/# ping 172.17.0.3

PING 172.17.0.3 (172.17.0.3) 56(84) bytes of data.

^C

--- 172.17.0.3 ping statistics ---

352 packets transmitted, 0 received, 100% packet loss, time 359405ms

root@4818a8871b90:/# history

1 ping 172.17.0.3

2 apt install iputils-ping -y

3 apt update -y

4 apt install iputils-ping -y

5 ping 172.17.0.3

6 history

root@4818a8871b90:/# exit

exit

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data# history

1 apt update -y

2 app install docker.io

3 apt install docker.io -y

4 docker --version

5 docker pull nginx

6 docker images

7 docker run -it -d --name mycontainer -p 80:80 f652ca386ed1

8 docker ps

9 docker run -it -d --name mycontainer1 -p 81:80 f652ca386ed1

10 docker run -it -d --name mycontainer2 -p 82:80 f652ca386ed1

11 docker ps

12 docker exec -it 92bd4ecf4c88 bash

13 docker ps

14 docker inspect 92bd4ecf4c88

15 docker pull maven

16 docker images

17 docker run -it --name mymaven 1bfb542d4598

18 docker run -it -d --name mymaven 1bfb542d4598

19 docker run -it -d --name mym 1bfb542d4598

20 docker ps

21 docker run -it --name mym1 1bfb542d4598 bash

22 docker pull sonarqube

23 docker images

24 docker run -it --name mysq -p9000:9000 cb35e2de836c

25 cd /opt

26 ls

27 vi Dockerfile

28 docker build -t mycustomimage .

29 docker images

30 docker run -it -d --name mycontainer -p 8085:8080 824eb430d9cd

31 docker run -it -d --name myapp -p 8085:8080 824eb430d9cd

32 docker ps

33 docker run -it -d --name myapp -p 8086:8080 824eb430d9cd

34 docker run -it -d --name myapp1 -p 8081:8080 824eb430d9cd

35 docker ps

36 cd /opt

37 ls

38 docker build -t binary .

39 docker run -it -d --name binarycontainer -p 8080:8080

40 docker ps

41 vi docker

42 vi Dockerfile

43 docker images

44 docker run -it -d --name binarycontainer2 -p 8081:8080 824eb430d9cd

45 docker ps

46 vi Dockerfile

47 echo " i am nanda" >> nanda.txt

48 ls

49 cd containerd/

50 ls

51 vi Dockerfile

52 docker build -t myadd .

53 vi Dockerfile

54 docker build -t myadd1 .

55 cd ..

56 ls

57 cd containerd/

58 ls

59 vi Dockerfile

60 cd ..

61 ls

62 apt install git -y

63 git clone https://github.com/RavitejaAdepudi/javawar.git

64 ls

65 cd containerd/

66 ls

67 vi Dockerfile

68 docker build -t add4 .

69 vi Dockerfile

70 docker build -t add41 .

71 cd ..

72 docker volume ls

73 cd /var/lib

74 ls

75 cd docker/

76 ls

77 cd volumes/

78 ls

79 docker run -it --name myvol -v /opt/mydir ubuntubash

80 docker run -it --name myvol -v /opt/mydir ubuntu bash

81 pwd

82 cd

83 touch docker 1.txt 2.txt

84 ls

85 docker run -it --name muvol1 -v /root:/opt/ ubuntu bash

86 docker ps -a

87 docker rm -f 5f0a59f6b25d 554edcdb38f6

88 docker volume create backupvol

89 docker volume ls

90 docker inspect backupvol

91 cd /var/lib/docker/volumes/backupvol

92 ls

93 cd \_data/

94 ls

95 docker run -it --name basevol -v backupvol:/opt ubuntu bash

96 docker ps -a

97 docker rm -f 22c7a952c06f

98 ls

99 cat 3.txt

100 docker network ls

101 docker ps

102 docker ps -a

103 docker inspect 92bd4ecf4c88

104 docker network network1

105 docker network net1

106 docker network ls

107 docker network create net2

108 docker network ls

109 docker run -it -d --name net1 ubuntu bash

110 docker ps

111 docker inspect 342e7198c0c3

112 docker run -it -d --name net2 --network net2

113 docker run -it -d --name net2 --network net2 ubuntu bash

114 docker ps

115 docker inspect 4818a8871b90

116 docker ps

117 docker exec -it 4818a8871b90 bash

118 history

root@ip-172-31-35-7:/var/lib/docker/volumes/backupvol/\_data#