Docker Images & Containers

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES

Docker version 26.1.1, build 4cf5afa

```
Client: Docker Engine - Community
 Version:    26.1.1
 Context:    default
 Debug Mode: false
 Plugins:
  buildx: Docker Buildx (Docker Inc.)
    Version:  v0.14.0
    Path:     /usr/libexec/docker/cli-plugins/docker-buildx
  compose: Docker Compose (Docker Inc.)
    Version:  v2.27.0
    Path:     /usr/libexec/docker/cli-plugins/docker-compose
Server:
 Containers: 2
  Running: 0
  Paused: 0
  Stopped: 2
 Images: 1
 Server Version: 26.1.1
 Storage Driver: overlay2
  Backing Filesystem: extfs
  Supports d_type: true
  Using metacopy: false
  Native Overlay Diff: true
  userxattr: false
 Logging Driver: json-file
 Cgroup Driver: systemd
```

Cgroup Version: 2

Plugins:

 Volume: local

 Network: bridge host ipvlan macvlan null overlay

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

Swarm: inactive

Runtimes: io.containerd.runc.v2 runc

Default Runtime: runc

Init Binary: docker-init

containerd version: e377cd56a71523140ca6ae87e30244719194a521

runc version: v1.1.12-0-g51d5e94

init version: de40ad0

Security Options:

 apparmor

 seccomp

  Profile: builtin

 cgroupns

Kernel Version: 5.15.0-105-generic

Operating System: Ubuntu 22.04.4 LTS

OSType: linux

Architecture: x86_64

CPUs: 2

Total Memory: 1.918GiB

Name: ubuntu

ID: c65b7f43-076c-457a-9258-0be3ce5b7c0d

Docker Root Dir: /var/lib/docker

Debug Mode: false

Experimental: false

Insecure Registries:

 127.0.0.0/8

Live Restore Enabled: false

Docker Registry:

Without an Image container can't be created Hence first image need to be downloaded(or) pulled from docker Registry(https://hub.docker.com/) and then create containers.

Docker Image:

```
root@dhileepdevops:~# docker image --help

Usage:  docker image COMMAND

Manage images

Commands:
  build      Build an image from a Dockerfile
  history    Show the history of an image
  import     Import the contents from a tarball to create a filesystem image
  inspect    Display detailed information on one or more images
  load       Load an image from a tar archive or STDIN
  ls         List images
  prune      Remove unused images
  pull       Download an image from a registry
  push       Upload an image to a registry
  rm         Remove one or more images
  save       Save one or more images to a tar archive (streamed to STDOUT by default)
  tag        Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE

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

root@ubuntu:/usr/libexec/docker/cli-plugins# docker pull nginx

Using default tag: latest

latest: Pulling from library/nginx

b0a0cf830b12: Pull complete

8ddb1e6cdf34: Pull complete

5252b206aac2: Pull complete

988b92d96970: Pull complete

7102627a7a6e: Pull complete

93295add984d: Pull complete

ebde0aa1d1aa: Pull complete

Digest: sha256:ed6d2c43c8fbcd3eaa44c9dab6d94cb346234476230dc1681227aa72d07181ee

Status: Downloaded newer image for nginx:latest

docker.io/library/nginx:latest

root@ubuntu:/usr/libexec/docker/cli-plugins# docker image ls

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
nginx	latest	7383c266ef25	12 days ago	188MB

root@ubuntu:/usr/libexec/docker/cli-plugins# docker image remove nginx:latest

Untagged: nginx:latest

Untagged: nginx@sha256:ed6d2c43c8fbcd3eaa44c9dab6d94cb346234476230dc1681227aa72d07181ee

Deleted: sha256:7383c266ef252ad70806f3072ee8e63d2a16d1e6bafa6146a2da867fc7c41759

Deleted: sha256:284239a88aa2a215c3ab52265554c83612e73efea682954be87982e370c98f49

Deleted: sha256:05092aeb22646fda43f7e25fc418b7e21942112b84bc0f5b2466f6206372e099

Deleted: sha256:04de068faa51d09eb7e1e52a4911ffc894d2ab2640db17e77eab84ca22cada85

Deleted: sha256:08b0ce47715b739cb30d253768b913e0d81a466f34b84addf24dc78ae61579e8

Deleted: sha256:90f1c22432ddccd4e1f6cd933c964e71a8f6bdd39b035f60cf4b8153820db7b5

Deleted: sha256:0a9e7b5b5ef53ef025d0cb5798a2a49aa52289a5d9ad86687b428c19a63a3e22

Deleted: sha256:52ec5a4316fadc09a4a51f82b8d7b66ead0d71bea4f75e81e25b4094c4219061

root@ubuntu:/usr/libexec/docker/cli-plugins# docker image ls

REPOSITORY   TAG   IMAGE ID   CREATED   SIZE

root@ubuntu:/usr/libexec/docker/cli-plugins# docker pull nginx

Using default tag: latest

latest: Pulling from library/nginx

b0a0cf830b12: Pull complete

8ddb1e6cdf34: Pull complete

5252b206aac2: Pull complete

988b92d96970: Pull complete

7102627a7a6e: Pull complete

93295add984d: Pull complete

ebde0aa1d1aa: Pull complete

Digest: sha256:ed6d2c43c8fbcd3eaa44c9dab6d94cb346234476230dc1681227aa72d07181ee

Status: Downloaded newer image for nginx:latest

docker.io/library/nginx:latest

Containers

```
root@dhileepdevops:~# docker container ps --help

Usage:  docker container ls [OPTIONS]

List containers

Aliases:
  docker container ls, docker container list, docker container ps, docker ps

Options:
  -a, --all             Show all containers (default shows just running)
  -f, --filter filter   Filter output based on conditions provided
      --format string   Format output using a custom template:
                        'table':          Print output in table format with column headers (default)
                        'table TEMPLATE': Print output in table format using the given Go template
                        'json':           Print in JSON format
                        'TEMPLATE':       Print output using the given Go template.
                        Refer to https://docs.docker.com/go/formatting/ for more information about formatting output with templates
  -n, --last int        Show n last created containers (includes all states) (default -1)
  -l, --latest          Show the latest created container (includes all states)
      --no-trunc        Don't truncate output
  -q, --quiet           Only display container IDs
  -s, --size            Display total file sizes
```

Create containers and run in the background:

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container run -d --name Priya_nginx --hostname Dhileep_nginx nginx:latest

fcb731ea28c97bd87a0ce226a17cab7c222536968e523959d54f363b1248ee7a

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fcb731ea28c9	nginx:latest	"/docker-entrypoint.…"	11 seconds ago	Up 10 seconds	80/tcp	Priya_nginx

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container inspect Priya_nginx

```
[  {
      "Id": "fcb731ea28c97bd87a0ce226a17cab7c222536968e523959d54f363b1248ee7a",
      "Created": "2024-05-06T14:45:39.130697965Z",
      "Path": "/docker-entrypoint.sh"
```

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container stats Priya_nginx

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
fcb731ea28c9	Priya_nginx	0.00%	3.07MiB / 1.918GiB	0.16%	1.09kB / 0B	0B / 24.6kB	3

root@dhileepdevops:~# docker container ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fcb731ea28c9	nginx:latest	"/docker-entrypoint.…"	9 minutes ago	Up 9 minutes	80/tcp	Priya_nginx

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container stop Priya_nginx

Priya_nginx

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fcb731ea28c9	nginx:latest	"/docker-entrypoint.…"	7 minutes ago	Exited (0) 17 seconds ago		Priya_nginx

root@dhileepdevops:~# docker exec -t -i Priya_nginx bash

Error response from daemon: container
fcb731ea28c97bd87a0ce226a17cab7c222536968e523959d54f363b1248ee7a is not running

root@dhileepdevops:~# docker start Priya_nginx

Priya_nginx

root@dhileepdevops:~# docker container ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fcb731ea28c9	nginx:latest	"/docker-entrypoint.…"	2 hours ago	Up 2 seconds	80/tcp	Priya_nginx

`root@ubuntu:~# docker exec -t -i Priya_nginx bash`

Inside the container: → Here the machine name is Priya_nginx and hostname is Dhileep_nginx

`root@Dhileep_nginx:/# whoami`

root

`root@Dhileep_nginx:/# hostname`

nginxcontainer

Create command in Docker:

It will just create a container and you need to use start command to run the container

`root@ubuntu:~# docker container create -t -i --name friendly_chaum nginx:latest`

```
37959bf7ced4ee446096fab616ba750ad87b3b2e46ea9f2d89c4f64dd74d41be
```

`root@ubuntu:~# docker container ps` → **It will display running containers**

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fcb731ea28c9	nginx:latest	"/docker-entrypoint...."	32 minutes ago	Up 32 minutes	80/tcp	Priya_nginx

`root@ubuntu:~# docker container ps -a` → **It will display both non active & running containers**

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
37959bf7ced4	nginx:latest	"/docker-entrypoint...."	4 minutes ago	Created		friendly_chaum
fcb731ea28c9	nginx:latest	"/docker-entrypoint...."	33 minutes ago	Up 32 minutes	80/tcp	Priya_nginx

`root@ubuntu:~# docker container start friendly_chaum`

```
friendly_chaum
```

`root@ubuntu:~# docker container ps -a`

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
37959bf7ced4	nginx:latest	"/docker-entrypoint...."	10 minutes ago	Up 17 seconds	80/tcp	friendly_chaum
fcb731ea28c9	nginx:latest	"/docker-entrypoint...."	39 minutes ago	Up 39 minutes	80/tcp	Priya_nginx

Sleep mode or Pause the container

`root@ubuntu:~# docker container pause friendly_chaum`

```
friendly_chaum
```

`root@ubuntu:/usr/libexec/docker/cli-plugins# docker container pause friendly_chaum`

```
Error response from daemon: container
37959bf7ced4ee446096fab616ba750ad87b3b2e46ea9f2d89c4f64dd74d41be is not running
```

`root@ubuntu:~# docker container ps -a`

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
37959bf7ced4	nginx:latest	"/docker-entrypoint."	13 minutes ago	Up 3 minutes (Paused)	80/tcp	friendly_chaum
fcb731ea28c9	nginx:latest	"/docker-entrypoint...."	42 minutes ago	Up 42 minutes	80/tcp	Priya_nginx

root@ubuntu:~# docker container unpause friendly_chaum

friendly_chaum

root@ubuntu:~# docker container ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
37959bf7ced4	nginx:latest	"/docker-entrypoint…."	17 minutes ago	Up 6 minutes	80/tcp	friendly_chaum
fcb731ea28c9	nginx:latest	"/docker-entrypoint…."	45 minutes ago	Up 45 minutes	80/tcp	Priya_nginx

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container stop friendly_chaum

friendly_chaum

root@ubuntu:~# docker container ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
37959bf7ced4	nginx:latest	"/docker-entrypoint…."	19 minutes ago	Exited (0) 17 seconds ago		friendly_chaum
fcb731ea28c9	nginx:latest	"/docker-entrypoint…."	47 minutes ago	Up 47 minutes	80/tcp	Priya_nginx

root@ubuntu:~# docker container start friendly_chaum

friendly_chaum

root@ubuntu:~# docker container ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
37959bf7ced4	nginx:latest	"/docker-entrypoint…."	21 minutes ago	Up 1 second	80/tcp	friendly_chaum
fcb731ea28c9	nginx:latest	"/docker-entrypoint…."	50 minutes ago	Up 50 minutes	80/tcp	Priya_nginx

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container top Priya_nginx

UID	PID	PPID	C	STIME	TTY	TIME	CMD
root	4042	4021	0	15:01	?	00:00:00	nginx: master process nginx -g daemon off;
systemd+	4078	4042	0	15:01	?	00:00:00	nginx: worker process
systemd+	4079	4042	0	15:01	?	00:00:00	nginx: worker process

root@ubuntu:/usr/libexec/docker/cli-plugins# docker container exec -t -i Priya_nginx bash

Inside the Container

Here the machine name is Priya_nginx and hostname is Dhileep_nginx

root@Dhileep_nginx:/# hostname

Dhileep_nginx

root@Dhileep_nginx:/# exit

root@ubuntu:/# touch Dhileep

root@ubuntu:/# ls

bin boot cdrom dev Dhileep etc home lib lib32 lib64 libx32 lost+found media mnt opt proc root run sbin snap srv swap.img sys tmp usr var

root@ubuntu:/# docker container cp Dhileep Priya_nginx:/tmp

Successfully copied 1.54kB to Priya_nginx:/tmp

Check whether it is copied inside containers by logging into the containers

root@ubuntu:/# docker container exec -t -i Priya_nginx bash

Inside the container → Here the machine name is Priya_nginx and hostname is Dhileep_nginx

root@Dhileep_nginx:/# cd /tmp

root@Dhileep_nginx:/tmp# ls

Dhileep

root@Dhileep_nginx:/tmp# exit

exit

root@ubuntu:~#

root@ubuntu:~# docker container rm friendly_chaum

Error response from daemon: cannot remove container "/friendly_chaum": container is running: stop the container before removing or force remove

root@ubuntu:~# docker container stop friendly_chaum

friendly_chaum

root@ubuntu:~# docker container rm friendly_chaum

friendly_chaum

root@ubuntu:~# docker container ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fcb731ea28c9	nginx:latest	"/docker-entrypoint…."	About an hour ago	Up About an hour	80/tcp	Priya_nginx

root@dhileepdevops:~# docker rmi nginx:latest

Error response from daemon: conflict: unable to remove repository reference "nginx:latest" (must force) - container ef29aa0a0380 is using its referenced image fffffc90d343

root@dhileepdevops:~# docker rmi nginx:latest --force

Untagged: nginx:latest

Untagged: nginx@sha256:67682bda769fae1ccf5183192b8daf37b64cae99c6c3302650f6f8bf5f0f95df

root@dhileepdevops:~# docker image ls

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
<none>	<none>	fffffc90d343	2 weeks ago	188MB

root@dhileepdevops:~# docker image remove fffffc90d343

Error response from daemon: conflict: unable to delete fffffc90d343 (cannot be forced) - image is being used by running container ef29aa0a0380

```
root@dhileepdevops:~# docker container --help

Usage:  docker container COMMAND

Manage containers

Commands:
  attach     Attach local standard input, output, and error streams to a running container
  commit     Create a new image from a container's changes
  cp         Copy files/folders between a container and the local filesystem
  create     Create a new container
  diff       Inspect changes to files or directories on a container's filesystem
  exec       Execute a command in a running container
  export     Export a container's filesystem as a tar archive
  inspect    Display detailed information on one or more containers
  kill       Kill one or more running containers
  logs       Fetch the logs of a container
  ls         List containers
  pause      Pause all processes within one or more containers
  port       List port mappings or a specific mapping for the container
  prune      Remove all stopped containers
  rename     Rename a container
  restart    Restart one or more containers
  rm         Remove one or more containers
  run        Create and run a new container from an image
  start      Start one or more stopped containers
  stats      Display a live stream of container(s) resource usage statistics
  stop       Stop one or more running containers
  top        Display the running processes of a container
  unpause    Unpause all processes within one or more containers
  update     Update configuration of one or more containers
  wait       Block until one or more containers stop, then print their exit codes

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

Start all the stopped containers

root@devopsubuntu:~# docker container ps --all

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
a099624c8d42	nginx:latest	"/docker-entrypoint.…"	10 hours ago	Exited (0) 10 hours ago		nginx1
e4436e15f08c	jenkins/jenkins	"/usr/bin/tini -- /u…"	10 hours ago	Exited (143) 10 hours ago		jenkins1
f327ba2bdc37	jenkins/jenkins	"/usr/bin/tini -- /u…"	37 hours ago	Exited (143) 10 hours ago		jenkins
c591ca58ccca	nginx:latest	"/docker-entrypoint.…"	45 hours ago	Exited (0) 10 hours ago		nginx01
599340eb9d85	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Exited (0) 7 weeks ago		nginx_4
4def40cf3937	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Created		nginx_3
828f36433db3	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Exited (0) 7 weeks ago		nginx_2
93dd42855f5c	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Exited (0) 7 weeks ago		nginx

root@devopsubuntu:~# docker start $(docker container ps --all)

Error response from daemon: No such container: CONTAINER

Error response from daemon: No such container: ID

Error response from daemon: No such container: IMAGE

Error response from daemon: No such container: COMMAND

Error response from daemon: No such container: CREATED

Error response from daemon: No such container: STATUS

Error response from daemon: No such container: PORTS

Error response from daemon: No such container: NAMES

a099624c8d42

Error response from daemon: No such container: nginx:latest

Error response from daemon: No such container: "/docker-entrypoint.…"

Error response from daemon: No such container: 10

Error response from daemon: No such container: hours

Error response from daemon: No such container: ago

Error response from daemon: No such container: Exited

Error response from daemon: No such container: (0)

Error response from daemon: No such container: 10

Error response from daemon: No such container: hours

Error response from daemon: No such container: ago

nginx1

e4436e15f08c

Error response from daemon: No such container: jenkins/jenkins

Error response from daemon: No such container: "/usr/bin/tini

Error response from daemon: No such container: u…"

Error response from daemon: No such container: 10

Error response from daemon: No such container: hours

Error response from daemon: No such container: ago

Error response from daemon: No such container: Exited

Error response from daemon: No such container: (143)

Error response from daemon: No such container: 10

Error response from daemon: No such container: hours

Error response from daemon: No such container: ago

jenkins1

f327ba2bdc37

Error response from daemon: No such container: jenkins/jenkins

Error response from daemon: No such container: "/usr/bin/tini

Error response from daemon: No such container: u…"

Error response from daemon: No such container: 37

Error response from daemon: No such container: hours

Error response from daemon: No such container: ago

Error response from daemon: No such container: Exited

Error response from daemon: No such container: (143)

Error response from daemon: No such container: 10

Error response from daemon: No such container: hours

Error response from daemon: No such container: ago

<mark>jenkins</mark>

c591ca58ccca

Error response from daemon: No such container: nginx:latest

Error response from daemon: No such container: "/docker-entrypoint.…"

Error response from daemon: No such container: 45

Error response from daemon: No such container: hours

Error response from daemon: No such container: ago

Error response from daemon: No such container: Exited

Error response from daemon: No such container: (0)

Error response from daemon: No such container: 10

Error response from daemon: No such container: hours

Error response from daemon: No such container: ago

<mark>nginx01</mark>

599340eb9d85

Error response from daemon: No such container: nginx:latest

Error response from daemon: No such container: "/docker-entrypoint.…"

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

Error response from daemon: No such container: Exited

Error response from daemon: No such container: (0)

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

<mark>nginx_4</mark>

4def40cf3937

Error response from daemon: No such container: nginx:latest

Error response from daemon: No such container: "/docker-entrypoint.…"

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

Error response from daemon: No such container: Created

<mark>nginx_3</mark>

Error response from daemon: driver failed programming external connectivity on endpoint nginx_2 (7ebf7b5439b271c2e82d0a70d3879f151a58a3707ac956b4c2d8a025f308b0b0): Bind for 0.0.0.0:2222 failed: port is already allocated

Error response from daemon: No such container: nginx:latest

Error response from daemon: No such container: "/docker-entrypoint.…"

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

Error response from daemon: No such container: Exited

Error response from daemon: No such container: (0)

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

<mark>Error response from daemon: driver failed programming external connectivity on endpoint nginx_2 (fe1bf28f3b77a92aed6cff770859459dd302c2de3e508521ff68294c5c5a75c3): Bind for 0.0.0.0:2222 failed: port is already allocated</mark>

93dd42855f5c

Error response from daemon: No such container: nginx:latest

Error response from daemon: No such container: "/docker-entrypoint.…"

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

Error response from daemon: No such container: Exited

Error response from daemon: No such container: (0)

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

<mark>nginx</mark>

<mark>Error: failed to start containers: CONTAINER, ID, IMAGE, COMMAND, CREATED, STATUS, PORTS, NAMES, nginx:latest, "/docker-entrypoint.…", 10, hours, ago, Exited, (0), 10, hours, ago, jenkins/jenkins, "/usr/bin/tini, /u…", 10, hours,</mark>

root@devopsubuntu:~# docker container ps --all

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
a099624c8d42	nginx:latest	"/docker-entrypoint.…"	10 hours ago	Up 10 seconds	80/tcp	nginx1
e4436e15f08c	jenkins/jenkins	"/usr/bin/tini -- /u…"	10 hours ago	Up 9 seconds	8080/tcp, 50000/tcp	jenkins1
f327ba2bdc37	jenkins/jenkins	"/usr/bin/tini -- /u…"	37 hours ago	Up 9 seconds	8080/tcp, 50000/tcp	jenkins
c591ca58ccca	nginx:latest	"/docker-entrypoint.…"	45 hours ago	Up 9 seconds	80/tcp	nginx01
599340eb9d85	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Up 8 seconds	0.0.0.0:2323->80/tcp, :::2323->80/tcp	nginx_4
4def40cf3937	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Up 7 seconds	0.0.0.0:2222->80/tcp, :::2222->80/tcp	nginx_3
828f36433db3	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Exited (128) 7 weeks ago		nginx_2
93dd42855f5c	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Up 6 seconds	0.0.0.0:2121->80/tcp, :::2121->80/tcp	nginx

Identify the nginx servers and check for the Exited Containers:

root@devopsubuntu:~# docker container ps --all | grep nginx

a099624c8d42	nginx:latest	"/docker-entrypoint.…"	10 hours ago	Up 4 minutes	80/tcp	nginx1
c591ca58ccca	nginx:latest	"/docker-entrypoint.…"	46 hours ago	Up 4 minutes	80/tcp	nginx01
599340eb9d85	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Up 4 minutes	0.0.0.0:2323->80/tcp, :::2323->80/tcp	nginx_4
4def40cf3937	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Up 4 minutes	0.0.0.0:2222->80/tcp, :::2222->80/tcp	nginx_3
828f36433db3	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Exited (128) 7 weeks ago		nginx_2
93dd42855f5c	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Up 4 minutes	0.0.0.0:2121->80/tcp, :::2121->80/tcp	nginx

root@devopsubuntu:~# docker container ps --all | grep nginx | grep Exited | wc -l → Number of servers

1

root@devopsubuntu:~# docker container ps --all | grep nginx | grep Exited

828f36433db3	nginx:latest	"/docker-entrypoint.…"	7 weeks ago	Exited (128) 7 weeks ago	nginx_2

root@devopsubuntu:~# docker rm $(docker container ps --all | grep nginx | grep Exited)

nginx_2

Error response from daemon: removal of container 828f36433db3 is already in progress

Error response from daemon: No such container: nginx:latest

Error response from daemon: No such container: "/docker-entrypoint.…"

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

Error response from daemon: No such container: Exited

Error response from daemon: No such container: (128)

Error response from daemon: No such container: 7

Error response from daemon: No such container: weeks

Error response from daemon: No such container: ago

root@devopsubuntu:~# docker container ps --all | grep nginx | grep Exited → 0 result Container is deleted

root@devopsubuntu:~# docker container ps --all

```
CONTAINER ID   IMAGE            COMMAND                  CREATED        STATUS         PORTS                                        NAMES
a099624c8d42   nginx:latest     "/docker-entrypoint.…"   10 hours ago   Up 9 minutes   80/tcp                                       nginx1
e4436e15f08c   jenkins/jenkins  "/usr/bin/tini -- /u…"   10 hours ago   Up 9 minutes   8080/tcp, 50000/tcp                          jenkins1
f327ba2bdc37   jenkins/jenkins  "/usr/bin/tini -- /u…"   37 hours ago   Up 9 minutes   8080/tcp, 50000/tcp                          jenkins
c591ca58ccca   nginx:latest     "/docker-entrypoint.…"   46 hours ago   Up 9 minutes   80/tcp                                       nginx01
599340eb9d85   nginx:latest     "/docker-entrypoint.…"   7 weeks ago    Up 9 minutes   0.0.0.0:2323->80/tcp, :::2323->80/tcp        nginx_4
4def40cf3937   nginx:latest     "/docker-entrypoint.…"   7 weeks ago    Up 9 minutes   0.0.0.0:2222->80/tcp, :::2222->80/tcp        nginx_3
93dd42855f5c   nginx:latest     "/docker-entrypoint.…"   7 weeks ago    Up 9 minutes   0.0.0.0:2121->80/tcp, :::2121->80/tcp        nginx
```