

NAME

docker-container-ls - List containers

SYNOPSIS

docker container ls [OPTIONS]

DESCRIPTION

List the containers in the local repository. By default this shows only the running containers.

Filters

Filter output based on these conditions:

- ancestor=([:tag]||image@digest <mailto:image@digest>)
containers created from an image or a descendant.
- before=()
- expose=([]/[])
- exited= an exit code of
- health=(starting|healthy|unhealthy|none)
- id= a container's ID
- isolation=(default|process|hyperv) (Windows daemon only)
- is-task=(true|false)
- label= or label==
- name= a container's name
- network=()
- publish=([]/[])
- since=()
- status=(created|restarting|removing|running|paused|exited)
- volume=()

Format

The formatting option (**--format**) pretty-prints container output using a Go template.

Valid placeholders for the Go template are listed below:

- .ID - Container ID.
- .Image - Image ID.
- .Command - Quoted command.
- .CreatedAt - Time when the container was created.
- .RunningFor - Elapsed time since the container was started.
- .Ports - Exposed ports.
- .Status - Container status.
- .Size - Container disk size.
- .Names - Container names.
- .Labels - All labels assigned to the container.
- .Label - Value of a specific label for this container.
For example `'{{.Label "com.docker.swarm.cpu"}}'`.
- .Mounts - Names of the volumes mounted in this container.
- .Networks - Names of the networks attached to this container.

EXAMPLES**Display all containers, including non-running**

```
$ docker container ls -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS   NAMES
a87ecb4f327c   fedora:20     /bin/sh -c #(nop) MA   20 minutes ago  Exit 0        -       desperate_brattain
01946d9d34d8   vpavlin/rhel7:latest /bin/sh -c #(nop) MA   33 minutes ago  Exit 0        -       thirsty_bell
c1d3b0166030   acffc0358b9e /bin/sh -c yum -y up    2 weeks ago    Exit 1        -       determined_torvalds
41d50ecd2f57   fedora:20     /bin/sh -c #(nop) MA   2 weeks ago    Exit 0        -       drunk_pike
```

Display only IDs of all containers, including non-running

```
$ docker container ls -a -q
a87ecb4f327c
01946d9d34d8
c1d3b0166030
41d50ecd2f57
```

Display only IDs of all containers that have the name `determined_torvalds`

```
$ docker container ls -a -q --filter=name=determined_torvalds
c1d3b0166030
```

Display containers with their commands

```
$ docker container ls --format "{{.ID}}: {{.Command}}"
a87ecb4f327c: /bin/sh -c #(nop) MA
01946d9d34d8: /bin/sh -c #(nop) MA
c1d3b0166030: /bin/sh -c yum -y up
41d50ecd2f57: /bin/sh -c #(nop) MA
```

Display containers with their labels in a table

```
$ docker container ls --format "table {{.ID}}\t{{.Labels}}"
CONTAINER ID   LABELS
a87ecb4f327c   com.docker.swarm.node=ubuntu,com.docker.swarm.storage=ssd
01946d9d34d8
c1d3b0166030   com.docker.swarm.node=debian,com.docker.swarm.cpu=6
41d50ecd2f57   com.docker.swarm.node=fedora,com.docker.swarm.cpu=3,com.docker.swarm.storage=ssd
```

Display containers with their node label in a table

```
$ docker container ls --format 'table {{.ID}}\t{{(Label "com.docker.swarm.node")}}'
CONTAINER ID   NODE
a87ecb4f327c   ubuntu
01946d9d34d8
c1d3b0166030   debian
41d50ecd2f57   fedora
```

Display containers with `remote-volume` mounted

```
$ docker container ls --filter volume=remote-volume --format "table {{.ID}}\t{{.Mounts}}"
CONTAINER ID   MOUNTS
```

```
9c3527ed70ce    remote-volume
```

Display containers with a volume mounted in /data

```
$ docker container ls --filter volume=/data --format "table {{.ID}}\t{{.Mounts}}"
CONTAINER ID    MOUNTS
9c3527ed70ce    remote-volume
```

Display containers that have published port of 80:

```
$ docker ps --filter publish=80
CONTAINER ID    IMAGE          COMMAND          CREATED          STATUS          PORTS
fc7e477723b7    busybox       "top"           About a minute ago    Up About a minute    0.0.0.0:32768->80/tcp
```

Display containers that have exposed TCP port in the range of 8000-8080:

```
$ docker ps --filter expose=8000-8080/tcp
CONTAINER ID    IMAGE          COMMAND          CREATED          STATUS          PORTS          N
9833437217a5    busybox       "top"           21 seconds ago    Up 19 seconds    8080/tcp       dreamy_mc
```

OPTIONS

- a, --all[=false]** Show all containers (default shows just running)
- f, --filter=** Filter output based on conditions provided
- format=""** Pretty-print containers using a Go template
- h, --help[=false]** help for ls
- n, --last=-1** Show n last created containers (includes all states)
- l, --latest[=false]** Show the latest created container (includes all states)
- no-trunc[=false]** Don't truncate output
- q, --quiet[=false]** Only display container IDs
- s, --size[=false]** Display total file sizes

SEE ALSO

docker-container(1)