



Linux Ubuntu 22.4.5 Manual Pages on command 'docker-container-ls.1'

\$ man docker-container-ls.1

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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
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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
admirer_roentgen					

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
9833437217a5	busybox	"top"	21 seconds ago	Up 19 seconds	8080/tcp
dreamy_mccarthy					

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\(1\)](#)

Docker Community

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