



Linux Ubuntu 26.04 Manual Pages on command 'docker-container-ls.1'

\$ man docker-container-ls.1

DOCKER(1) Docker User Manuals DOCKER(1)

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	ubuntu:24.04	/bin/sh -c #(nop) MA	20 minutes ago	Exit 0		desperate_brattain
01946d9d34d8	busybox	/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	ubuntu:24.04	/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	worker-1
--------------	----------

01946d9d34d8	
--------------	--

c1d3b0166030	worker-1
--------------	----------

41d50ecd2f57	worker-2
--------------	----------

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
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					

Display containers in JSON format:

```
$ docker ps --format json
```

```
    {"Command":"/docker-entrypoint.?", "CreatedAt":"2021-03-10    00:15:05    +0100
CET", "ID":"a762a2b37a1d", "Image":"nginx", "Labels":"maintainer=NGINX        Docker        Maintainers
\u003cdocker-maint@nginx.com\u003e", "LocalVolumes":"","Mounts":"","Names":"boring_keldysh", "Networks":"bridge", "Por
ts":"80/tcp", "RunningFor":"4 seconds ago", "Size":"0B", "State":"running", "Status":"Up 3 seconds"}
```

OPTIONS

-a, --all[=false] Show all containers (default shows just running)

-f, --filter= Filter output based on conditions provided

--format="" 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=-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)