

Show stopped Docker containers

Asked 8 years, 9 months ago Modified 9 months ago Viewed 107k times



I am new to Docker, and I would like to list the stopped containers.

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With `docker ps`:



CONTAINER ID	IMAGE NAMES	COMMAND	CREATED	STATUS
PORTS				



Nothing appears, because I restarted the machine and I didn't configure them to start the containers automatically.

So when I try to run a container it says:

```
sudo docker run -d -p 8080:80 --name=angular_moviemasher moviemasher/angular-moviemasher
docker: Error response from daemon: Conflict. The name "/angular_moviemasher" is already in use by container b4428b708711c15233f558e70f58cb7800e23c4a6a57534abfa5818912630a37. You have to remove (or rename) that container to be able to reuse that name..
See 'docker run --help'.
```

So I would like to see which Docker containers are already installed and start them.

In the documentation [Docker Cheat Sheet with examples](#) I can only find an example of how to show **running** containers:

Info of Container

To show running Containers. With `-a` option, it shows running and stopped Containers.

`docker ps`

docker

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edited Jul 9, 2024 at 5:40



Uwe Keim

40.8k ● 61 ● 190 ● 304

asked Jul 19, 2016 at 8:32



lapinkoira

9,038 ● 9 ● 58 ● 108

- 1 Not sure why your quote says "running and stopped" and you mention it only shows running, but `docker ps --help` can be your friend here and other places. Note you can also do `docker rm $(docker ps -a | grep Exit | cut -d ' ' -f 1)` to remove all Exited containers -- which will remove the conflicting name error you mention. – [ldg](#) Jul 19, 2016 at 18:37
- 1 `docker container ls -a` – [Koray Tugay](#) May 24, 2019 at 17:43

6 Answers

Sorted by: Highest score (default)



Like you said `docker ps -a` will show stopped and running containers (all the containers). The following command will only show you the stopped containers.

99

```
docker ps -a | grep Exit
```



Now you're able to perform `docker logs container-id` on your container to see what is going wrong.



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edited Apr 4, 2024 at 18:33

answered Jul 19, 2016 at 8:46



76484

9,003 ● 3 ● 21 ● 32



lvthillo

31k ● 15 ● 101 ● 135



Best way to only show stopped containers is to run the following command:

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```
docker container ls -f status=exited -a
```



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answered Jun 22, 2020 at 14:57



Greg W

171 ● 1 ● 2



Another option not mentioned in the answers above is:

13

```
docker container list --all
```



It was added in Docker 1.13 (January 2017), and seems to be [the recommended syntax](#):



In Docker 1.13, we regrouped every command to sit under the logical object it's interacting with. For example list and startof containers are now subcommands of docker container and history is a subcommand of docker image.

`docker container list``docker container start``docker image history`

These changes let us clean up the Docker CLI syntax, improve help text and make Docker simpler to use. **The old command syntax is still supported, but we encourage everybody to adopt the new syntax.**

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edited Jun 20, 2020 at 9:12



Community Bot

1 ● 1

answered Feb 2, 2019 at 19:46



Amade

4,008 ● 2 ● 29 ● 55



8



Well you gave yourself the answer:

Info of Container

To show running Containers. With **-a** option, it shows running and stopped Containers.

`docker ps`

So try

```
sudo docker ps -a
```

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answered Jul 19, 2016 at 8:46



DAXaholic

35.6k ● 6 ● 82 ● 77

No, because it shows all containers, with running containers cluttering the list. It's as if someone asked how to search for file(s) in a directory and you told them to just run the `tree` command and spot it...

– p0358 Apr 7, 2022 at 11:57

My understanding was that one misunderstood the `-a` option "In the documentation Docker Cheat Sheet with examples I can only find an example of how to show running containers". `-a` is not about showing only running (which was also emphasized) containers, but to show all of them. BTW: Comments like yours are absolutely not helpful for the overall SO community and is one of the reasons why I significantly reduced my time here. It seems many are here just to foster dispute ... – DAXaholic Apr 19, 2022 at 5:46



5

If `docker ps -a` isn't showing anything after a machine restart, try restarting the Docker daemon (happens sometime to me too after a shutdown).

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edited Jul 23, 2018 at 19:23

answered Jul 19, 2016 at 9:03



Peter Mortensen

31.6k ● 22 ● 110 ● 133



Zeromus

4,542 ● 8 ● 33 ● 41

I dont know how and why but it worked for me! Thanks! – Kevin Kouketsu Nov 25, 2021 at 10:48



Show container id of only stop container

0

```
docker ps -a | grep Exited | awk '{print$1}'
```



Restart stop container only



```
docker restart $(docker ps -a | grep Exited | awk '{print$1}')
```

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edited Jul 9, 2024 at 18:37

answered Jul 9, 2024 at 5:37



Tyler2P

2,370 ● 30 ● 25 ● 33



ibrahim

1 ● 2

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