

specify sysctl values using docker-compose

Asked 8 years, 6 months ago Modified 8 years, 2 months ago Viewed 49k times

I am trying to set a few sysctl values.
Basically the following

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```
sysctl -w \  
net.ipv4.tcp_keepalive_time=300 \  
net.ipv4.tcp_keepalive_intvl=60 \  
net.ipv4.tcp_keepalive_probes=9
```

in a docker container.

When log into to the container directly and execute the command, I get the following error

```
sysctl: cannot stat /proc/sys/net/ipv4/tcp_keepalive_time: No such file or  
directory  
sysctl: cannot stat /proc/sys/net/ipv4/tcp_keepalive_intvl: No such file or  
directory  
sysctl: cannot stat /proc/sys/net/ipv4/tcp_keepalive_probes: No such file or  
directory
```

Then I found out the `--sysctl` option in `docker run` in [here](#) But I did not find the equivalent option via docker-compose. I have few services that start by default so using docker run instead of docker-compose is not an option for me.

Anyone knows of a way to supply `--sysctl` options to the container via compose?

`docker` `docker-compose`

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asked Sep 5, 2016 at 11:34



Keshava

802 1 9 21

2 Answers

Sorted by: Highest score (default)

This option is now available in docker-compose 1.10.0-rc1, you'll need to upgrade to that version (`pip install docker-compose==1.10.0-rc1`) and also update your `docker-compose.yml` file to version 2.1 per [docs](#)

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Example docker-compose.yml:



```
version: '2.1'
services:
  app:
    build: .
    sysctls:
      - net.ipv6.conf.all.disable_ipv6=1
```

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answered Jan 6, 2017 at 0:01



d3ming

9,080 ● 7 ● 34 ● 34

- 1 This is great, but it doesn't seem possible to specify it for builds... I need it at build time to disable IPv6, otherwise building images based on old Debian versions takes forever. :(– imiric Apr 15, 2021 at 10:06

If you build the container you must disable it on the building host. – os_1 Sep 1, 2023 at 11:19



2



docker-compose lacks many of the CLI options. In general, you have to head over to the [github issues for compose](#) and search there. In the case of `sysctl`, it's in the process of being added. Someone has [made a branch with the addition](#). You could start with that until it gets added to the master branch.

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answered Sep 5, 2016 at 11:50



Bernard

17.3k ● 13 ● 67 ● 69

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