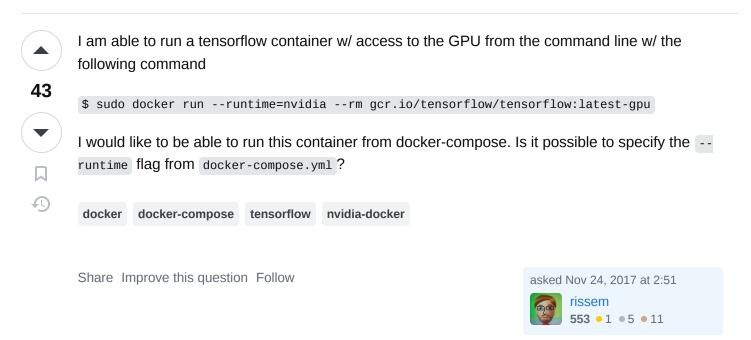
How do I specify nvidia runtime from docker-compose.yml?

Asked 7 years, 3 months ago Modified 11 months ago Viewed 54k times

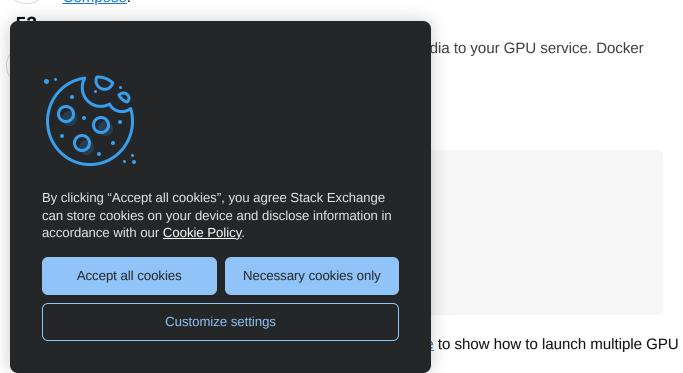


4 Answers

Currently (Aug 2018), NVIDIA container runtime for Docker (<u>nvidia-docker2</u>) <u>supports Docker</u> Compose.

Sorted by:

Highest score (default)



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answered Aug 28, 2018 at 18:04



This option is possible only for docker-compose v2 for now. For more info, please look at the corresponding pull request here github.com/docker/compose/pull/5405 - hgasimov Dec 30, 2018 at 9:33

This option is more elegant as it allows for better packaging using docker-compose - Blaze Jan 22, 2019 at 8:13

hm can different containers have different runtimes in one docker-compose file? - kodlan Feb 1, 2021 at 20:59

Do I still have to include the nvidia runtime in the deamon.json? - Marcel Sep 23, 2024 at 13:23



32

You should edit /etc/docker/daemon.json, adding the first level key "default-runtime": "nvidia", restart docker daemon (ex. "sudo service docker restart") and then all containers on that host will run with nvidia runtime.



More info on daemon.json here



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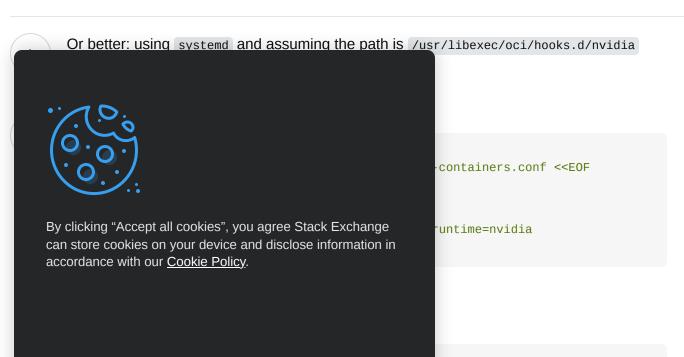




Gabriel Miretti aka amiretti **1,469** • 13 • 16

answered Nov 26, 2017 at 11:58





Demo

Don't need to specify --runtime=nvidia since we set default-runtime=nvidia in the configuration step.

```
docker run --rm gcr.io/tensorflow/tensorflow:latest-gpu
```

Solution Inspired from my tutorial about KATA runtime.

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answered Jul 21, 2018 at 15:00





Setting the default runtime seemed the most reasonable to me. However Gabriel's answer did not work for me.

1

Instead I found that the nvidia container toolkit can automatically configure the daemon.json [1].



sudo nvidia-ctk runtime configure --runtime=docker --set-as-default
sudo service docker restart



This should be more future proof, since it now adds a different section to the daemon.json.

[1] https://docs.nvidia.com/datacenter/cloud-native/container-toolkit/1.12.1/user-guide.html

