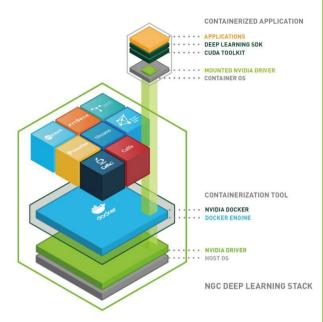
INVIDIA. NGC + Docker Quickstart Guide

Install nvidia-docker manually or alternatively use the NVIDIA data science stack https://github.com/NVIDIA/data-science-stack

```
Mapping container port (80) to your host system's port (8080)
user@host:~$ docker run -it --rm --qpus all -p 8080:80 nvcr.io/nvidia/cuda:11.0-base
Disable network isolation and use the host system's network
user@host:~$ docker run -it --rm --qpus all --network=host nvcr.io/nvidia/cuda:11.0-base
Mounting a host system storage volume to container path
user@host:~$ docker run -it --rm --qpus all -v <host-path>/<container-path> nvcr.io/nvidia/cuda:11.0-base
Listing all running containers
user@host:~$ docker ps
Starting a new shell in a running container
user@host:~$ docker exec -it <container-id> /bin/bash
Stopping a container (graceful shutdown)
user@host:~$ docker stop <container-id>
Deleting a stopped container
user@host:~$ docker rm <container-id>
Killing a container without prior stopping it
user@host:~$ docker kill <container-id>
Displaying logs of a running container
user@host:~$ docker logs -f <container-id>
Running X11/OpenGL application using the CUDAGL image from NVIDIA NGC
user@host:~$ xhost +
user@host:~$ docker run --gpus all -it --rm -v /tmp/.X11-unix:/tmp/.X11-unix -e DISPLAY=$DISPLAY \
   nvcr.io/nvidia/cudagl:11.2.0-runtime-ubuntu18.04 bash -c "apt update; apt install mesa-utils -y; glxgears"
```



ngc.nvidia.com

