



Lambda Stack Overview

Lambda Stack: a unified, always updated, AI software stack

Laptops



Workstations



Servers



Clusters



Cloud



 **Lambda** Stack

 TensorFlow

PYTORCH

 Keras

ubuntu



Lambda Stack keeps AI software updated with one command

```
sudo apt-get update && sudo apt-get upgrade
```



PYTORCH

NEW VERSION



ubuntu

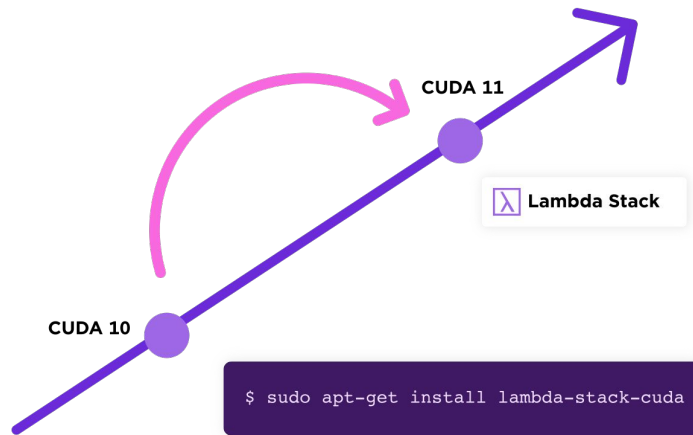


NEW VERSION



AIRBUS

Lambda Stack offers a managed upgrade path for all of your AI software



When you upgrade Lambda Stack, CUDA, PyTorch, TensorFlow, and your drivers upgrade simultaneously.

Lambda Stack provides the same environment everywhere

Under Desk



 Lambda Stack

 TensorFlow  PYTORCH

ubuntu® 

On-prem

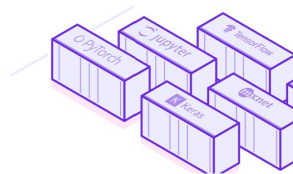


 Lambda Stack

 TensorFlow  PYTORCH

ubuntu® 

Container



 Lambda Stack

 TensorFlow  PYTORCH

ubuntu® 

Cloud

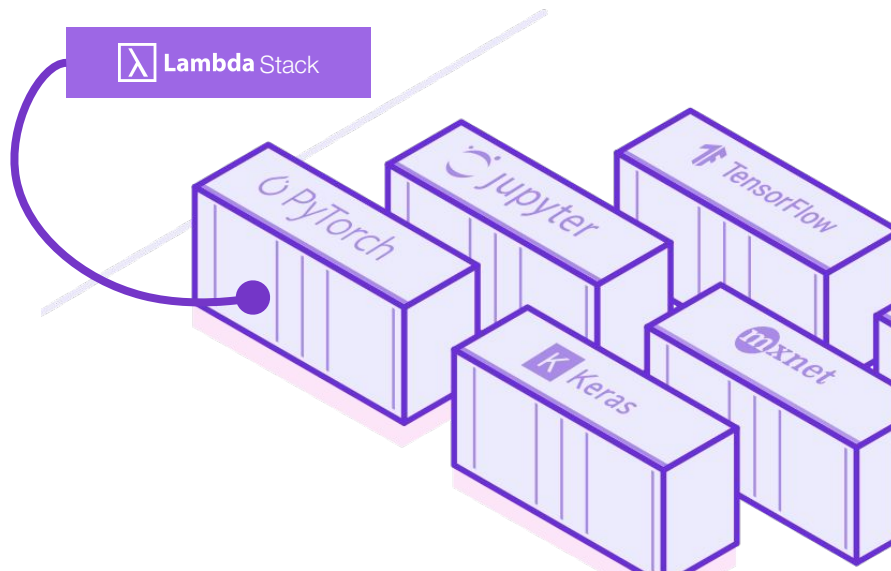


 Lambda Stack

 TensorFlow  PYTORCH

ubuntu® 

Compatible with all Docker and NGC containers



```
sudo apt-get install docker.io nvidia-container-toolkit
```

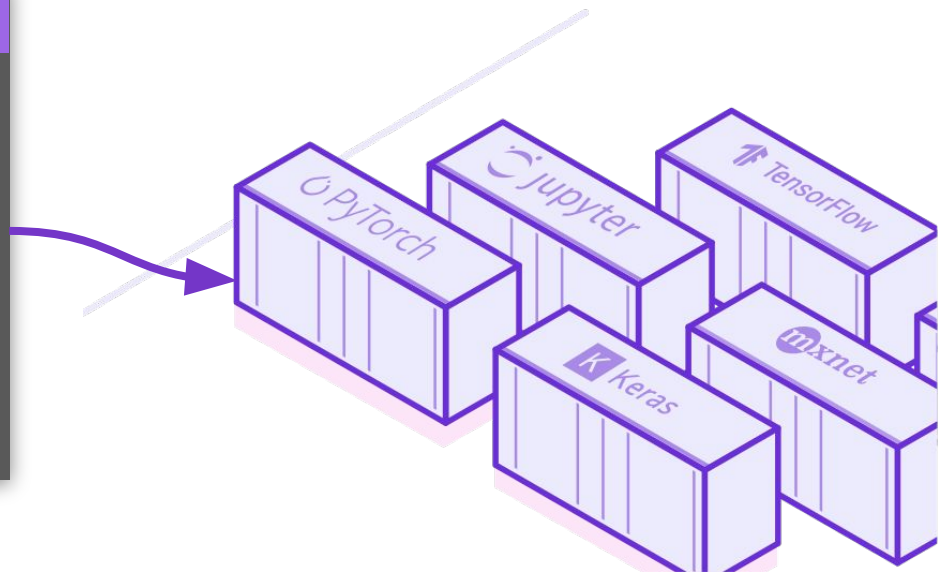
Lambda Stack open source GPU Dockerfiles

```
FROM ubuntu:20.04

WORKDIR /root/

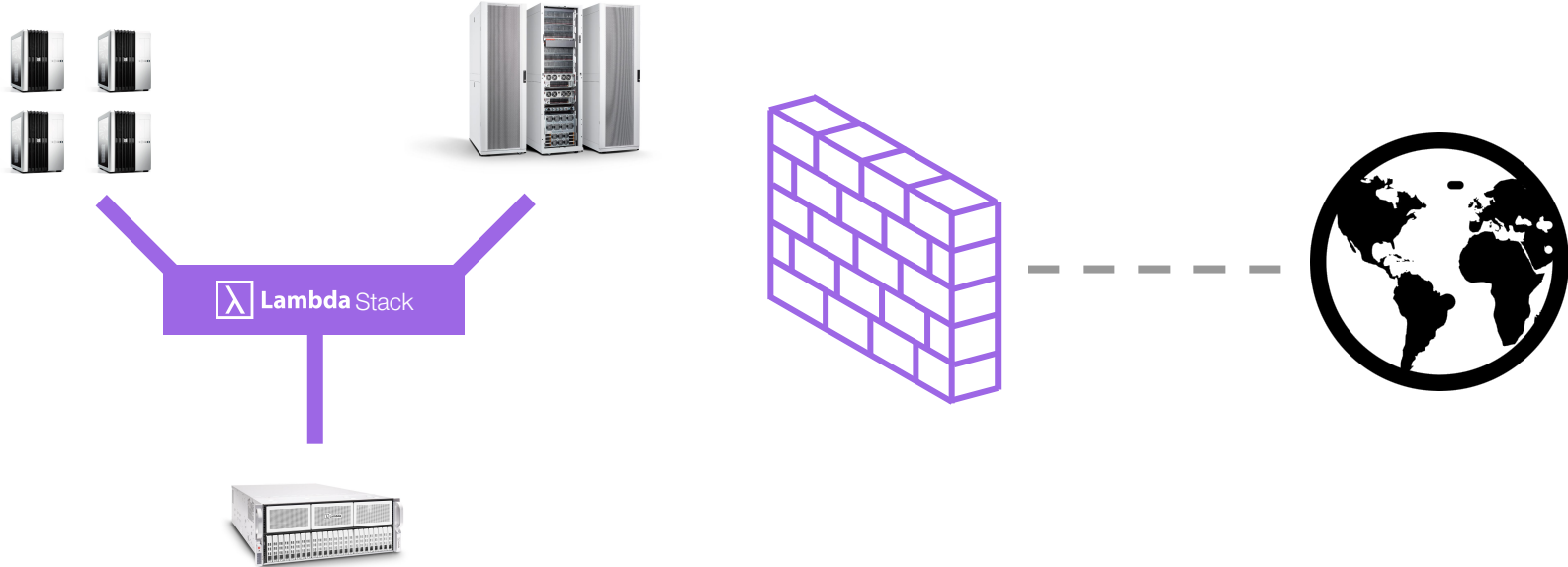
# Add libcuda dummy dependency
ADD control .
RUN apt-get update && \
    DEBIAN_FRONTEND=noninteractive apt-get install --yes equivs && \
    equivs-build control && \
    dpkg -i libcuda1-dummy_10.2_all.deb && \
    rm control libcuda1-dummy_10.2_all.deb && \
    apt-get remove --yes --purge --autoremove equivs && \
    rm -rf /var/lib/apt/lists/*

# Setup Lambda repository
ADD lambda.gpg .
RUN apt-get update && \
    ...
```



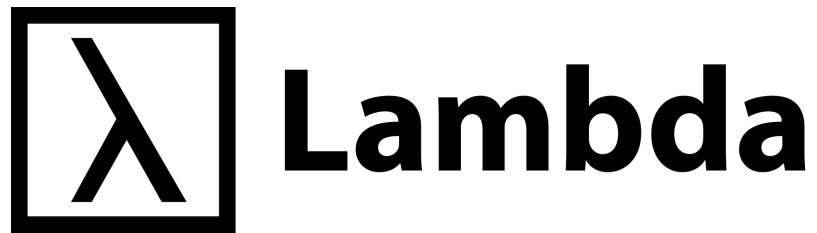
Available at: <https://github.com/lambdal/lambda-stack-dockerfiles>

Lambda Stack supports air gapped / behind the firewall installations



1,000+ customers use Lambda Stack — F500, research labs, and startups





For more info on Lambda Stack, visit:

<https://lambdalabs.com/lambda-stack-deep-learning-software>