



NSF HDR ML Challenge

UCSD SMASH & NSF HDR
ML HACKATHON

Computing Resources



<https://smash-hackathon.nrp-nautilus.io/>

Configuration

- Do not need more than 4 cores
- Get **ONLY ONE** GPU
- 8 GB RAM should be sufficient
 - If you need more you can reconfigure your instance later

Server Options

By starting a jupyter instance you're agreeing to the [Acceptable Use Policy](#)

/home/jovyan is persistent volume, 5GB by default. Make sure you don't fill it up - jupyter won't start next time. You can ask admins to increase the size.

The storage is created in West ceph pool by default. You can ask admins to move it to a different region.

[Available resources page](#)

[GPU types guide](#)

Contact admins in [Matrix](#).

Region

GPUs

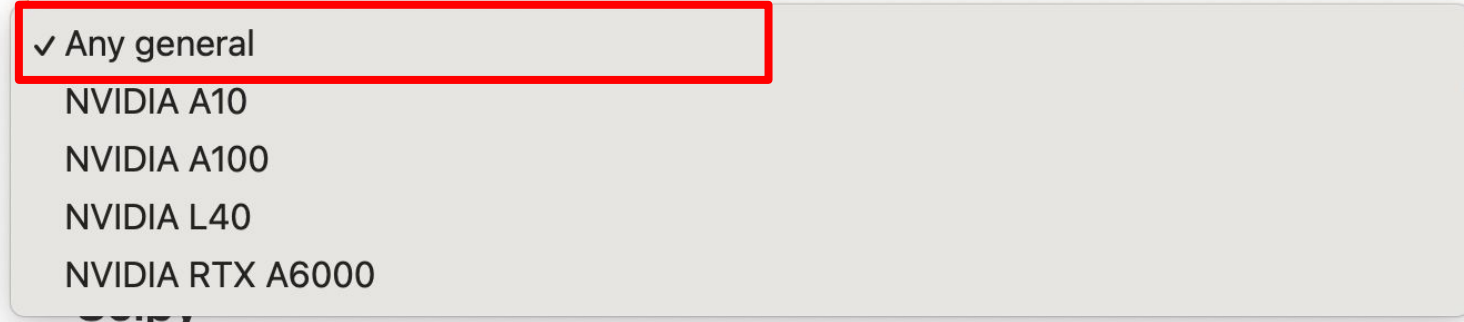
Cores

RAM, GB

GPU type

GPU Type

GPU type



✓ Any general
NVIDIA A10
NVIDIA A100
NVIDIA L40
NVIDIA RTX A6000

- Choose “Any general” option
- We have some A10 GPUs reserved for the weekend
- **Do not get more than 1 GPU / team**
- **You do not need A100 GPUs for this work**

Environment

- Several docker environments available.
- “NRP Deep Learning and Data Science Full” stack should have more of the packages you need
- Install any additional package you need on top that

Image

- Scipy

- R

- Julia

- Tensorflow

- Pytorch

- Datascience (scipy, Julia, R)

- Pyspark

- All Spark
- NRP Deep Learning & Data Science Full**

- B-Data python scipy

- B-Data Julia

- B-Data R

- B-Data R tidyverse

CPU Architecture

Keep it default

Architecture

amd64



Start