# Hybrid

## System Description

**Host name:** hybrid.ncsa.illinois.edu

### Hardware

- SuperMicro SYS-7048GR-TR server
  - 2x 8-core Intel Xeon CPU E5-2630 v3 @ 2.40GHz
  - 256 GB DDR4
  - 4 PCI-E 3.0 ports
  - 10Gb/s Ethernet
  - InfiniBand QDR (connected to nano)
- 1x NVIDIA P100 GPUs
  - 3584 cores
  - 16 GB HBM 2
- 1x 75GB SSD and 6x 4 TB HDDs, arranged as 2x RAID 0 arrays

### Software

- CentOS 7
- CUDA 9.2 / 8.0
  - CUDA 9.2 is the default, switch between versions with `module load cuda /x.y`

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