## 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 (16GB)
- 2x NVIDIA V100 GPUs (16GB + 32GB)
- 6x 4 TB HDDs, arranged as one RAID 0 and one RAID z1 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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