

Illinois Institute of Technology



Advisor:
Ioan Raicu

Students:
Benjamin Walters (Captain, WRF, systems administration)
Alex Ballmer (HPC Repast)
Andrei Dumitru (MILC)
Calin Segarceanu (HPL, backup systems administration and power management)
Adnan Haider (Trinity)
Keshav Kapoor (Visualization)



Others:
William Scullin, Benjamin Allen (Argonne National Laboratory), Kevin Brandstatter, Iulia Griza

Hardware, Software, Sponsors

Hardware:

Chassis Supermicro SYS- 4048B- TR4FT

CPU 4 Intel Xeon E7 8867 v3 CPUs

Memory 512GB DDR4 RAM (16 x 32 GB DIMMS)

Storage 1.9 TB SSD per node composed of 200GB SATA SSD OS deive and 1.7TB Intel NVMe PCIe SSD
Storage drive

Network 100GB x 4 per node (MCX455A-ECAT CX-4 adapter)

Power Maximum peak power-draw per node is about 1000 watts

Software:

CentOS 7, Warewulf, Intel Compilers, Intel MPI, Intel MKL, IBM GPFS, Slurm, Spack

Sponsors:

Intel, Supermicro