

Clusters, Compute nodes and FPGAs

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Clusters and shared memory machines:

- * 29 nodes Opteron dual processor 1.4GHz, 2GB Ram, 80GB hard drive, gigabit ethernet interconnection network (50% up) with two additional GPU accelerators.
- * A shared memory machine Xeon 2.2GHz 32 cores, 512GB RAM, 1TB hard drive.
- * A shared memory machine Xeon 2.4GHz 40 cores, 128GB RAM, 1TB hard drive.
- * 16 nodes 2 Quad Core Xeon 2.2GHz, 12GB RAM, 60GB ssd drive, network, 10 gigabit ethernet networking.
- * 17 nodes 2 Hexa Core Xeon 2.53GHz, 48GB RAM, 250GB ssd drive network, 10 gigabit ethernet networking.
- * 9 nodes 2 Opteron Magny-Cours 12 core 1.9GHz, 32GB of RAM, 250GB hard drive, gigabit ethernet interconnection network and 1 node with 128GB of RAM.
- * Cluster with 6 nodes Jetson Nano and 3 Jetson Xavier, gigabit ethernet interconnection network.

Compute nodes:

- * 1 node 10-core 3.4GHz Power8 Processor Card, 32GB of RAM, 1.2TB hard drive, gigabit ethernet.
- * 1 node 12-core 2.2GHz Xeon, 32GB of RAM, 2TB hard drive, gigabit ethernet.
- * 1 node 8-core 3.7GHz i7, 64GB of RAM, 1TB ssd drive, gigabit ethernet.
- * 1 node 12-core 3.5GHz i7, 64GB of RAM, 1TB ssd drive, with accelerator Alveo U-200, gigabit ethernet.
- * 1 node 8-core 3.6GHz i7, 128GB of RAM, 1TB ssd drive, with , gigabit ethernet.
- * 1 node 8-core 3.6GHz i7, 128GB of RAM, 1TB ssd drive, gigabit ethernet.
- * 1 node 8-core 2.1GHz Xeon, 32GB of RAM, 1TB hard drive, gigabit ethernet, for GPU computing.
- * 1 node 24-core 2.1GHz Xeon, 192GB of RAM, 1TB hard drive, gigabit ethernet, 10 gigabit ethernet.
- * 2 node 8-core 2.6GHz Xeon, 32GB of RAM, 480GB ssd drive, interconnected with infiniband EDR, one with a GPU Nvidia Tesla P100.
- * 5 node 28-core 2.4GHz Xeon, 64GB of RAM, 900GB ssd drive, interconnected with 10 gigabit ethernet.
- * 1 node 20-core 2.4GHz Xeon, 32GB of RAM, 256GB ssd nvme drive, interconnected with gigabit ethernet.

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FPGAs:

*1x proFPGA quad Motherboard, 4x proFPGA Xilinx Virtex 2000T, 2GB memory

*1x proFPGA duo Motherboard, 4x proFPGA Altera Stratix 20000174 PROF-FM-ASG280-2,
4GB memory