

System Hardware

Computerome overview

Computerome currently consists of **31760 CPU cores**, with **221 TB memory**.

It is connected to **16 PB** of high performance **EMC ISILON storage**.

CPU architecture

Category	Nodes#	Type	CPU	CPU#	Cores/CPU	Cores/node	Total cores#	Memory	Total Memory
Login node	3	HPE ProLiant DL380 Gen 10 Server	Intel Xeon Gold 6230 @2.1 GHz	2	20	40	120	192GB, PC4-2933 @2933 MHz	576 GB
Thin compute node	696	HPE Apollo 2000 System	Intel Xeon Gold 6230 @2.1 GHz	2	20	40	27.840	192GB, PC4-2933 @2933 MHz	133.632 GB
Fat compute node	55	HPE ProLiant DL360 Gen 10 Server	Intel Xeon Gold 6230 @2.1 GHz	2	20	40	2.200	1536GB, PC4-2933 @2933 MHz	84.480 GB
GPU compute node	40	HPE Apollo 2000 System + NVIDIA TESLA V100	Intel Xeon Gold 6230 @2.1 GHz	2	20	40	1.600	192GB, PC4-2933 @2933 MHz	7.680 GB
Total	794						31.760		221 TB

Storage

Storage in Computerome 2.0 is provided by a [high performance EMC ISILON solution](#), with a current total of 16.0 PB of available disk space configured as a single file system.