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# HPC320

- Last Updated (28.11.2005)

- User Guide

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## Hardware

HpC320 system located at CESGA is composed of 8 ES45 servers which constitute a total of 32 CPUS ALPHA EV68 at 1GHZ (performance peak 64 Gflops), 6 of them with 8 Gigabytes and other 2 with 16 Gigabytes. Each node has an internal storage capacity of 144 Gbytes. The nodes are interconnected through a low latency Memory Channel II network (MPI < 2 microseconds) with high bandwidth (200 Mbytes/s). All the nodes are connected through a fiber switch to a storage cabin with a shared disk of 1 Terabyte. System Total Memory is 80 Gbyte and disk space is 2 Terabytes. HpC320 obtained a performance of 45 Gflops under the Linpack Benchmark.

## Software

Gaussian98

Gamess

NWChem

Matlab

Ansys