

# HP CP3000BL Reference CFD Solution for ANSYS CFD



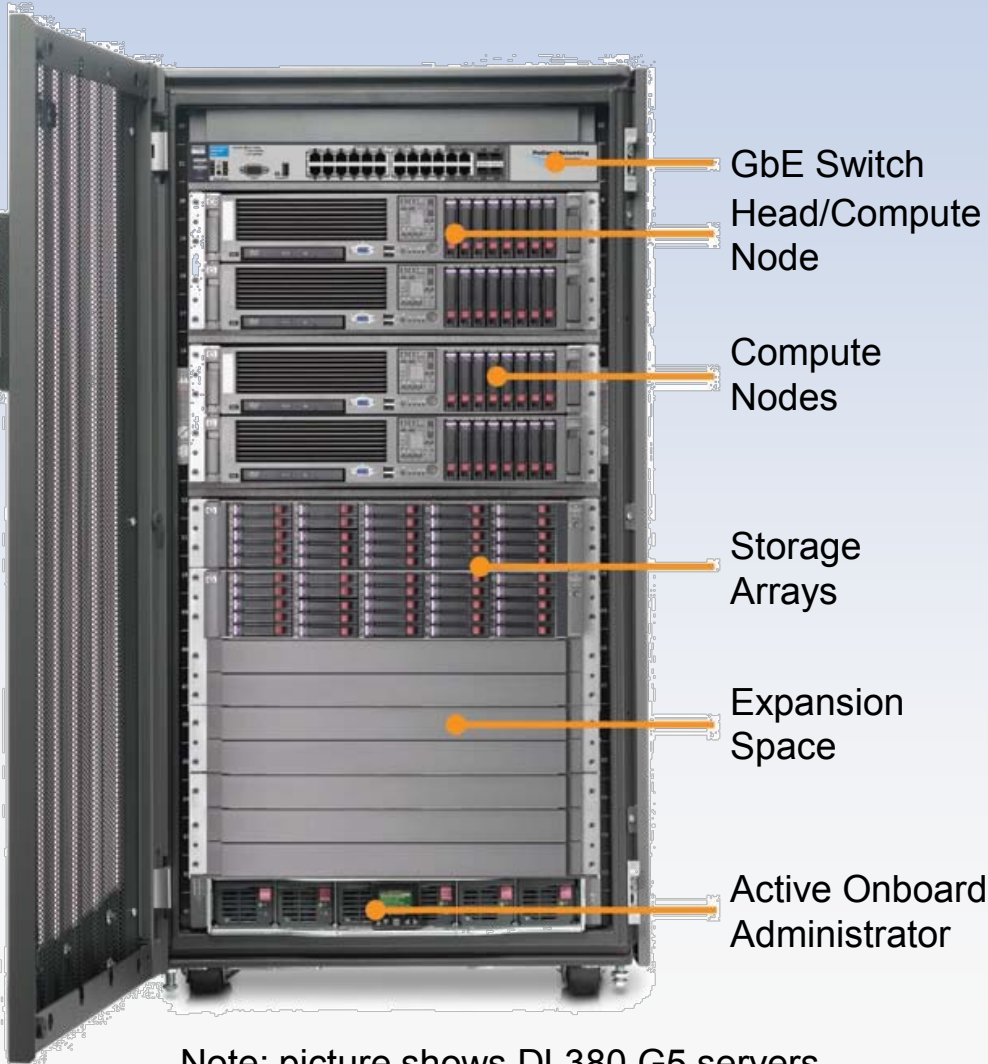
- **Based on HP BladeSystem c-Class G6 servers**
  - Up to 16 ProLiant BL460c G6 servers, based on Intel® Xeon® Processor 5600 series
  - Integrated Gigabit Ethernet, with optional TrueScale InfiniBand x4 QDR
  - Optional storage expansion
  - Cluster software solution based on 64-bit Linux OR Microsoft HPC Server 2008
- **Ideally suited for FLUENT or CFX models up to 135M cells. Or, run 8-11 simultaneous models on the scale of 10M cells**
- **Optimized for performance, affordability, efficiency and ease-of-use**



# HP Workgroup System Rack for Structural Analysis with ANSYS



## Solution Components: 16 core Small to medium configuration



### Server Options

- Four DL380 G6 server nodes, each dual processor, up to 12 cores per compute node
- Node 1 doubles as the head node

### Total Memory for Cluster

- 8GB/core or 96GB total on head node
- 2 or 4GB/core (24 or 48GB/node) on each 3 remaining compute nodes

### Storage

- Up to 14 LFF SAS/SATA, with RAID, drives per compute node
- Room for expansion storage arrays

### Cluster Interconnect

- GigE cluster switch, optional InfiniBand

### Operating Environment

- Cluster software stack based on 64-bit Linux or Microsoft® Windows® HPC Server 2008

Note: picture shows DL380 G5 servers

