

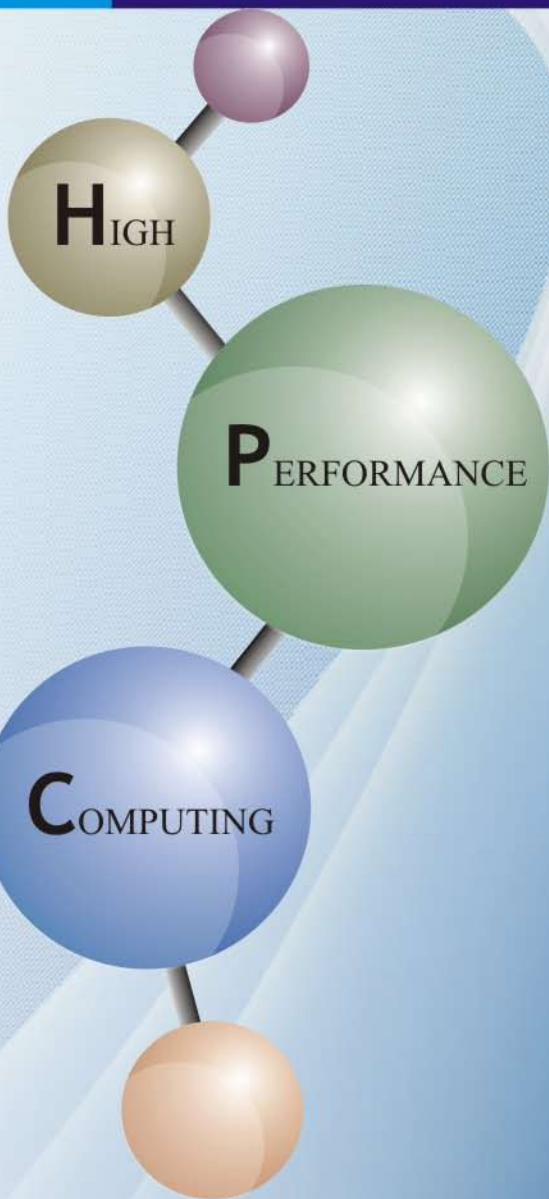
Performance, Productivity, Value unleashed ...

The pace of advancement in complex computing world is driving the increased adoption of cost-effective and high performance oriented cluster solutions.

HCL understands the user's requirement and offer high performance driven technology solutions for easy deployment and exceptional Return on Investment.

HCL-HPC solutions define an optimized architecture for faster response to complex calculations and are capable to efficiently handle large data-processing workload.

HCL-HPC solutions are designed to deploy the perfect unification of software, middleware, servers, storage, networking interconnect and management tools to support an ecosystem of revolutionary supercomputing environment.



SOLUTIONS

HCL-HPC SOLUTION SPECTRUM

HPC clusters on HCL's Infiniti Global Line server range inter-communicating using hi-speed Infiniband/Ethernet connectivity can be customized maintaining industry standards to meet the user requirements with optimum Total Cost of Ownership. The resource management/job scheduling software operating on user selected OS environment and unprecedented flexibility in libraries/compilers/development tools provides a cutting-edge technology even for remote management installations.

HCL-HPC Solution Offerings

- Intel® Xeon based cutting edge technology HCL Servers and Storage module
- Inter Cluster communication and connectivity
- Resource management software / Job scheduling software
- Operating System and Software
- Support and services

Salient Features

HCL IGL server housing the power of Intel® processors from entry level configuration to high end technical innovations

Flexibility in the choice for node-to-node data sharing using Ethernet connectivity or High speed Infiniband interconnect

Individual node level comprehensive cluster management to render performance oriented parallel computing environment

HCL offers wide selection of result-oriented software from leading system providers and flexibility in selection of Linux or Windows environment

HCL has a dedicated team of service and support engineers catering to over 4000 cities across the country

HCL- HPC APPLICATION ARENA

The advent of parallel computing ushered in an era of simplified & eco-friendly solutions for brainstorming challenges in diverse domains. HCL-High performance computing cluster solutions are deployed in multitude application to render state of art technology.

Scientific Research and Development Domain

- Life sciences
- Computational Chemistry
- Drug Design
- Commercial Acumen-BFSI
- Land records, GIS and Remote Sensing
- Weather Modeling
- Computational Physics
- Defence Research
- Oil and Gas exploration,
- Entertainment Industry/Animation grounds

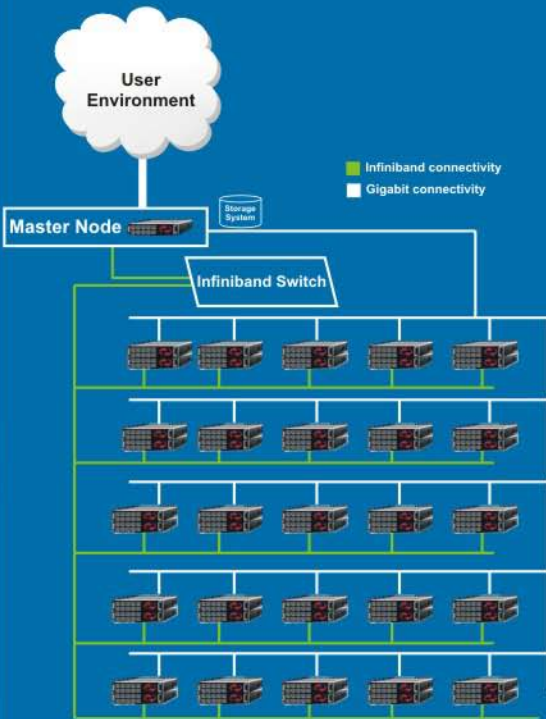
Design Automation domain

- Manufacturing (CAD, CAM, CAE)
- Automotive Industry
- Aerospace

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THE HCL ADVANTAGE

- End to End HPC life cycle management; from design to deployment and maintenance. Effective, efficient packaged solution that supports diverse software application with better cluster management tools for parallel processing.
- HCL provides consultancy and state of art training services on cluster computing. We believe in understanding the customer's business requirements.
- Technical experts at HCL-HPC R & D center are abreast with the pace of technological advancement to provide platform for future innovations with industry standard products
- HCL-HPC solutions complies to industry standard benchmark.
- HCL has the reach and capability to provide service and support on HCL-HPC solutions across 4000 cities in India acting as a backbone in strengthening relationship with our customers.
- HCL products and solutions complies with RoHS, green and ecoSafe regulations to render eco-friendly computing .
- HCL-HPC solutions delivers avant-garde stack that provides optimized footage area, minimizes power and energy consumption and enhances effective resource management.
- HCL-HPC solutions leverages high bandwidth/low-latency interconnect in energy-efficient manner that enhance task management, system bandwidth; reduce downtime & optimize Total Cost of Ownership.
- HCL-HPC solutions offer unprecedented flexibility of Operating System- Windows® / Linux and Intel® Xeon Processors (entry level to high end configurations).



HCL-HPC block architecture

HCL ecoSafe is targeted at integrating environmental management procedures into its business processes to deliver environmental friendly products with optimized power consumption.



HCL



IN A NUTSHELL

- HCL-HPC solutions offers cutting edge technology.
- HCL-HPC solutions meets industry standard benchmarks.
- HCL- HPC Service caters to over 4000 cities across the length and breadth of the country.
- HCL-HPC solutions have expertise at all layers- Interconnect, Servers, Storage, Cluster Management, Job scheduling etc.
- HCL- HPC solutions are effectively applicable in life sciences, CAE, Animation, Weather Modeling, Molecular Dynamics and Pharmaceutical Industry etc.

for further Details

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