



**Dell HPCC Solutions are
Driving Some of the
World's Most Powerful
Computer Systems.**

What can Dell do for You?

Complete Dell™ High Performance Computing Cluster



SURAggrid Special Offer - \$112,500

Limited Time Offer for SURAggrid participants

Building High Performance Computers Out of Standards-Based Components

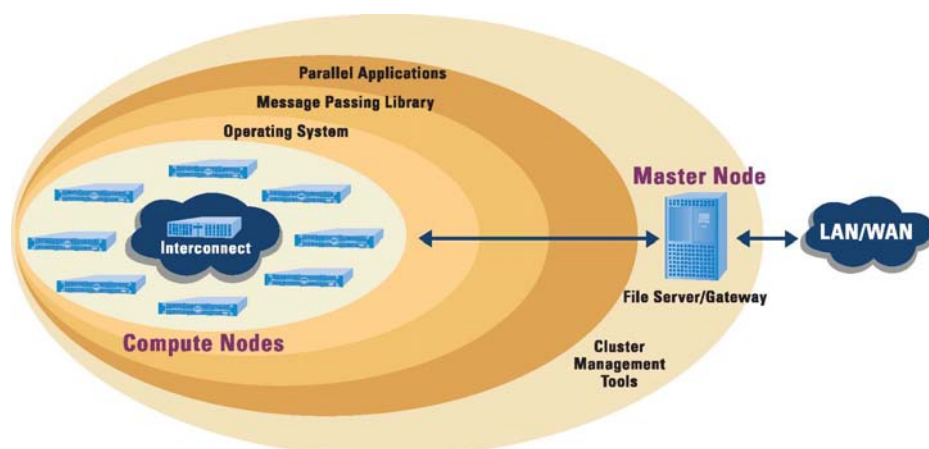
Now, more than ever, technology is capable of powering the most intense research and business applications. And High Performance Computing Clusters have emerged as an exciting alternative to expensive supercomputers. Yet, how do you effectively harness this capability and make the most of it in your environment?

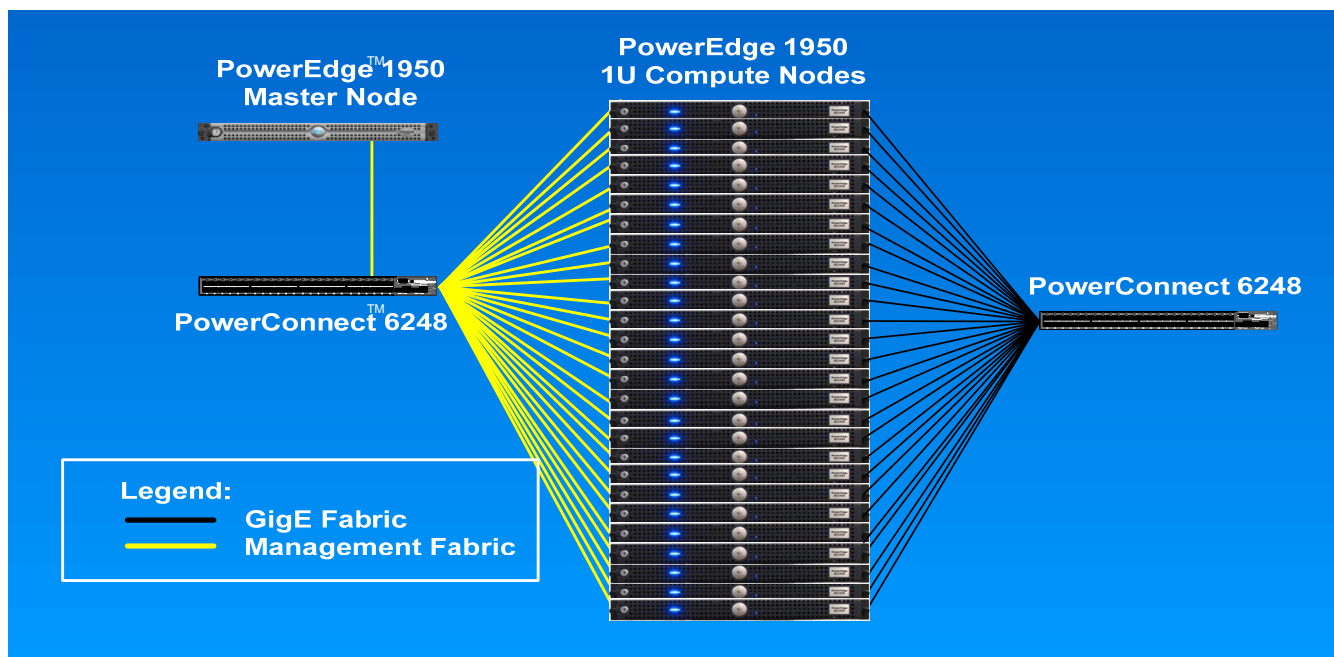
Dell HPCC solutions put powerful technology at your fingertips easily and for a fraction of the cost of traditional supercomputers. Delivering cutting-edge technology and performance at an amazing price, Dell HPCC solutions can provide the power necessary for your most demanding projects at an exceptional value.

Dell streamlines HPCC deployment and management

Dell's HPCC solution is designed to simplify HPCC deployment and management. We start by building a comprehensive infrastructure stack built from leading industry-standard building blocks and trusted partner products. The result is a highly scalable HPCC solution that can deliver exceptional performance and manageability.

Dell then streamlines the implementation process by validating and pre-configuring HPCC bundles that meet a wide variety of application needs. Dell Services plays an instrumental role in helping to ensure a fast, smooth deployment and on-going support.





Master Node – Dell PowerEdge 1950* (Qty = 1)



- Dual 2.33GHz/2x4MB Cache, Quad Core Intel® Xeon E5345, 1333MHz FSB Processors
- 12GB FBD 667MHz Memory
- Embedded RAID Controller – PERC5
- (2) 146GB¹, SAS Hard Drive (RAID1)
- Dual On-Board 10/100/100 NICS³
- 24X CD-RW/DVD-ROM²
- Dell Remote Assistance Card
- Redundant Power Supply
- Red Hat® Enterprise Linux® AS v4 3Yr Red Hat Network Subscription, EM64T
- 3 Years Premier HPCC Support with Same Day 4 Hour Parts and Labor On-Site Service⁴

Compute Nodes – Dell PowerEdge 1950 (Qty = 27)



- Dual 2.33GHz/2x4MB Cache, Quad Core Intel® Xeon E5345, 1333MHz FSB Processors
- 12GB FBD 667MHz Memory
- 80GB¹ 7.2K RPM SATA Hard Drive
- Red Hat® Enterprise Linux® WS v4 3Yr RHN Subscription, EM64T
- 24X CD-ROM
- 3 Years HPCC Next Business Day Parts and Labor On-Site Service⁴

Gigabit Ethernet Interconnect – Dell PowerConnect* 6248 (Qty = 2)



- PowerConnect 6248 Managed Switch, 48 Port 10/100/1000 Mbps
- Four 10 Gigabit Ethernet uplinks
- 3 Years Support with Next Business Day Parts Service⁴

Other Components -

- PowerEdge 4210, Frame, Doors, Side Panel, Ground, 42U
- (3) 24 Amp, Hi-Density PDU, 208V, with IEC to IEC Cords
- 1U Rack Console with 15" LCD Display, Mini-Keybaord/Mouse Combo
- Platform Rocks – Cluster Management Software with 3 year support agreement
- Complete Rack & Stack, including cabling, prior to delivery
- Complete Software Installation - Operating system, Cluster Management Software, etc.
- 2 Day on-site systems engineer

* This device has not been approved by the Federal Communications Commission for use in a residential environment. This device is not, and may not be, offered for sale or lease, or sold or leased for use in a residential environment until the approval of the FCC has been obtained.

Optional Upgrade Items:

Additional Compute Nodes - Dell PowerEdge 1950*



- Dual 2.33GHz/2x4MB Cache, Quad Core Intel® Xeon E5345, 1333MHz FSB Processors
- 12GB FBD 667MHz Memory
- 80GB¹ 7.2K RPM SATA Hard Drive
- Red Hat Enterprise Linux WS v4 3Yr RHN Subscription, EM64T
- 24X CD-ROM
- 3 Years HPCC Next Business Day Parts and Labor On-Site Service⁴

Modular Disk Storage Array - Dell PowerVault MD3000



- Modular Disk Storage Array in a 3U Rack Enclosure
- 8 x 300GB, 3Gbps, SAS, 3.5" 15K RPM Hard Drives
- Two SAS 5/E PCI-Express Host Bus Adapters
- Two 1 meter SAS Cables
- 3 Years Gold Enterprise Support, 7x24, 4 Hour On-Site Service⁴

This complete HPCC solution is a limited time offer for SURAGrid participants. Dell reserves the right to discontinue this offer at any time. For additional information, please contact your Dell sales team.

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¹For hard drives, GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less

²DVD-ROM drives may have write-capable hardware that has been disabled via firmware modifications.

³This term does not connote an actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

⁴Service may be provided by third-party. Technician will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. U.S. only.

Dell Cluster Solutions. Easy as **DELL**

Visit www.dell.com/clusters for more information.