

Dell Update

IDC HPC Forum

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The New Dell HPC Vision

Dell will help more people in industry, research, government, and education use HPC solutions to make more innovations and discoveries than any other HPC systems vendor in the world.

Dell will achieve this global impact by building expertise to design, develop, deploy, and support the most capable, cost-effective portfolio of HPC solutions that integrate Dell innovations with community standards.



Michael Dell at CERN

Dell's New Strategic Priorities for HPC

Develop first/ best/only solutions

- Integrated systems
- Engineered solutions
- Big data and hybrid cloud integration

Achieve leadership in large & small scales

- Aggressively pursue large scale
- Scale up division-scale customers
- Develop workgroup-scale solutions—enable channels

Target high- impact verticals

Added SMEs for:

- Life sciences
- Manufacturing
- Energy
- Finance (later)
- Digital content creation (later)

Expand partnerships for innovation and impact

Innovation partnerships with research partners:

Expanding Existing Programs

- Texas Advanced Computing Center (TACC)
- San Diego Supercomputer Center (SDSC)
- University of Illinois (NCSA)

New EMEA CoEs

- University of Cambridge
- University of Pisa
- CHPC, South Africa

Dell HPC Systems – Target Verticals



Manufacturing
Dell HPC System for
Manufacturing



Geosciences
Oil & Gas



Government
Classified



**Government &
Academic Research**
Dell HPC System for
Research



Financial Services



Electronics Design



Life Sciences
Pharma/Biotech
Dell HPC System for
Life Sciences



Media & Entertainment



Machine Learning



Dell's HPC Systems Portfolio



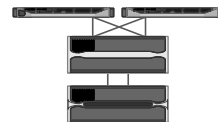
Dell HPC System for Research



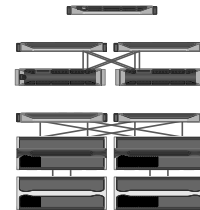
Dell HPC System for Life Sciences



Dell HPC System for Manufacturing



NFS Storage Solution with HA



Dell Storage for HPC with Intel E Lustre

Dell HPC Systems

Built on industry leading Dell and partner products and services



PowerEdge Servers

- C series
- Rack Servers
- Blade Servers
- Converged
- Extreme Scale-out



Dell Storage

- MD Series
- Extreme Scale-out



Dell Networking

- High Performance Ethernet
- Mellanox InfiniBand
- H-Series (Intel OmniPath)



Accelerators

- NVIDIA and AMD GPUs
- Intel Xeon Phi Coprocessors



Management

- BrightCluster Manager
- OpenHPC



Data Center

- Modular Data Center



Services

- Deployment
- Remote Mngt
- Support
- Cloud
- Financial



Delivering outcomes with Dell HPC Systems

Customer Outcomes



Control your path

A faster, simpler path with less risk and faster time to solution



Flexible approach

Design and architect a system that is meant to meet your needs



Future proof your business

Flexibility to adapt to your changing business demands

Dell Difference

End-to-end solutions that empower customers from desktop to petascale

Best practices that align the right workload to the right solution

Service-centric IT leveraging best-of-breed technology, innovation and expertise



Dell HPC Community Meeting

April 18-21, Austin



Dell HPC Community Meeting

- A worldwide technical forum for Dell HPC customers
- Facilitates the exchange of information, best practices and feedback, between Dell, our technology partners and customers
- Designed to help influence customer's HPC strategies, and provide significant feedback to Dell's HPC planning

More info and registration: www.dellhpc.net



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