

Accelerating Time to Results with Technical Computing

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IBM acquires Platform Computing

Distributed systems software to strengthen
IBM's technical computing portfolio

→ [Learn more](#)



IBM acquired Platform Computing, a leader in cluster, grid, and HPC cloud management software

- 20 year history delivering leading management software for technical computing and analytics distributed computing environments
- Enable the usage and management of 1000s of systems as 1 - powering the evolution from clusters to grids to HPC clouds
- 2000+ global customers including 23 of 30 largest enterprises
- Market leading scheduling engine with high performance, mission-critical reliability and extreme scalability
- Comprehensive capability footprint from ready-to-deploy complete cluster systems to large global grids
- Heterogeneous systems support
- Large ISV and global partner ecosystem
- Global services and support coverage

*De facto
Standard for
Commercial
HPC*

*60% of top
Financial
Services*

*Over 5 MM
CPUs under
management*

IBM Technical Computing Agenda announced, June 4

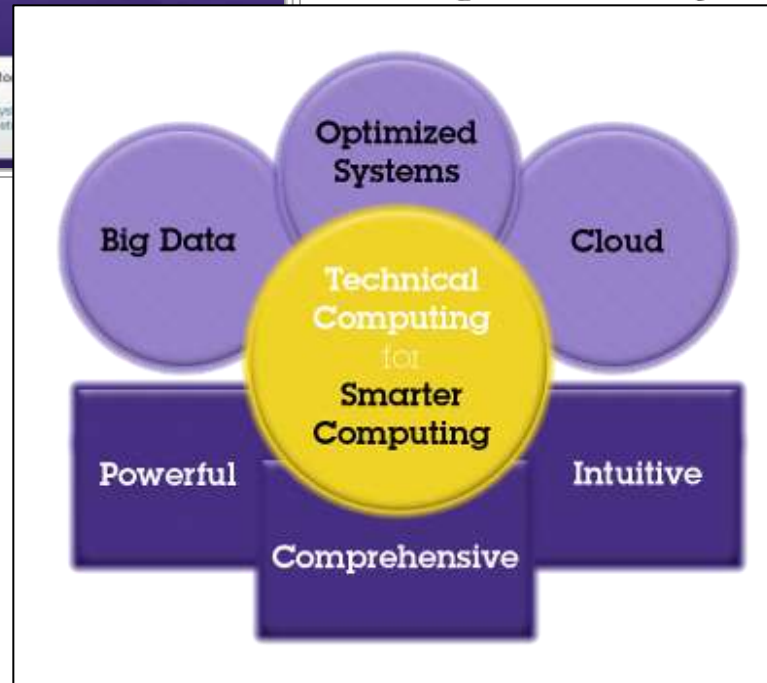


IBM Technical Computing Agenda: Accelerating time to value for a new generation of users



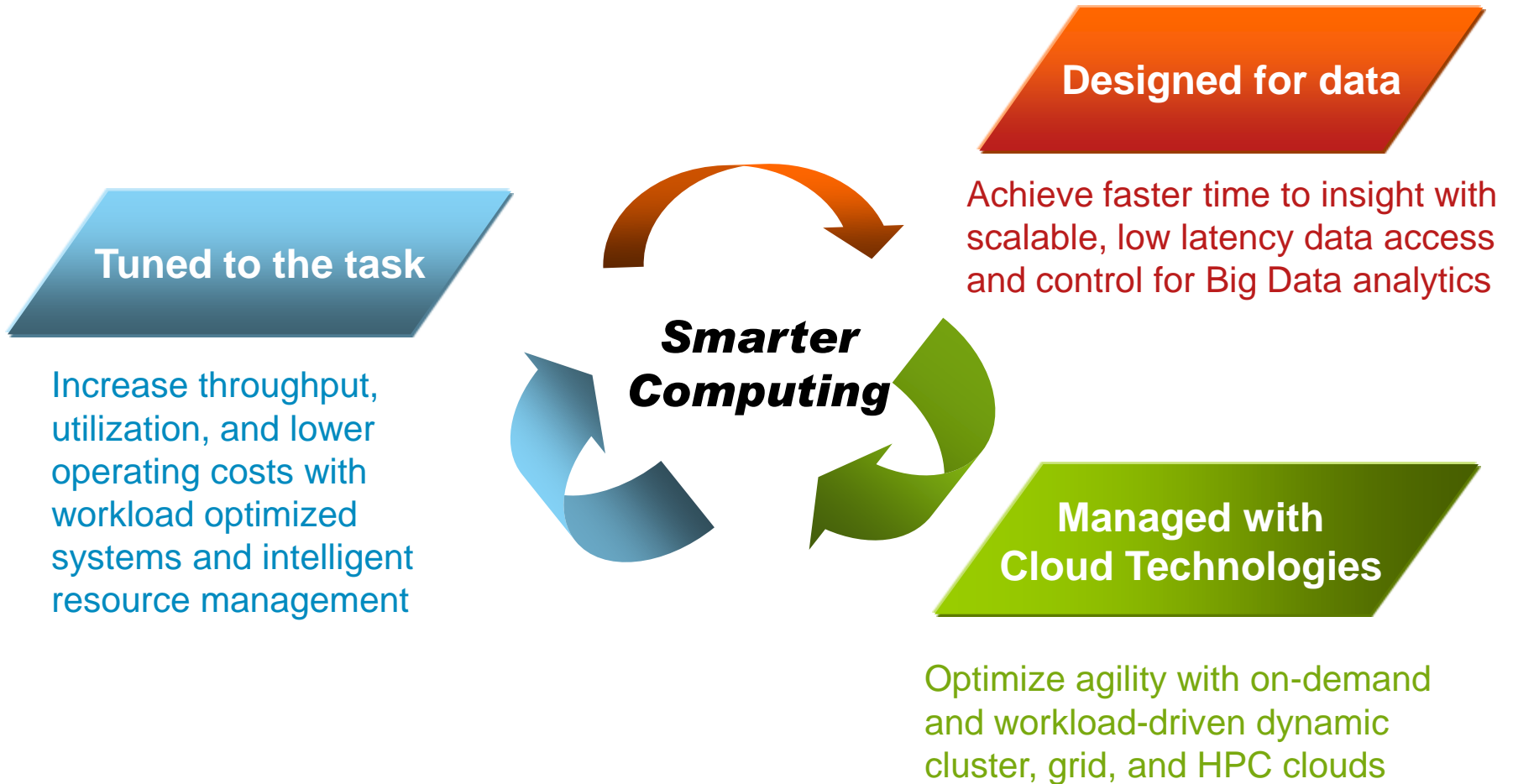
Organizations of all sizes are turning to technical computing solutions for 3-D modeling, simulations and large-scale data analytics with help from IBM

[Press Release](#)



Informational power of high-
the entire business spectrum.
that is dedicated to bringing
companies that haven't
at it was beyond their reach.

IBM is delivering a Smarter Computing foundation for Technical Computing



IBM Technical Computing portfolio - June 2012 **new products**

Powerful. Comprehensive. Intuitive.

Tuned to the task

- **IBM Platform HPC**

Improve productivity with an easy-to-use, turn-key management solution with self-service portal, ISV integration

- **IBM Intelligent Cluster**

Utilize a fully tested “all-in-one” high-performance cluster complete with delivery, on-site setup and support.

- **IBM System Storage DCS3700**

- Maximize performance, scalability and storage density at an affordable price

Designed for data

- **IBM Platform Symphony**

Unify compute and data-intensive resources for a scalable, low-latency environment

- **IBM General Parallel File System**

Implement high performance, low latency, reliable access to data, accessible any time or place.

- **IBM System x iDataPlex**

Maximize performance, energy efficiency and floor space for scale-out applications.

Managed with Cloud Technologies

- **IBM Platform LSF family**

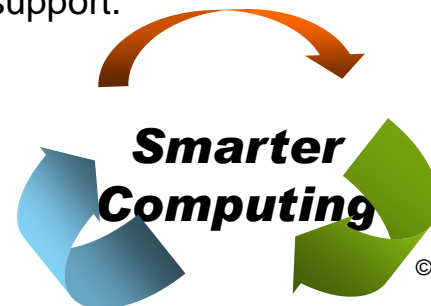
Optimize performance and deliver faster insights through workload and cluster management

- **IBM Platform Cluster Manager**

Create dynamic, flexible clusters and HPC cloud environments

- **IBM Intelligent Cluster**

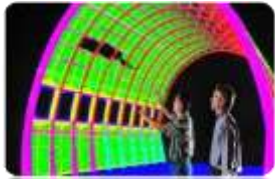
Utilize a fully tested “all-in-one” high-performance cluster complete with delivery, on-site setup and support.



IBM Platform Computing offerings are workload optimized

Powerful. Comprehensive. Intuitive.

Technical Computing
and HPC



**Platform LSF®
Family**

Scalable, comprehensive workload management suite for demanding, mission-critical heterogeneous environments

Platform HPC

Simplified, integrated, purpose-built HPC management software bundled with systems

Analytics Infrastructure



**Platform
Symphony
Family**

High-throughput, low-latency compute and data intensive analytics applications

- Highest performance & utilization
- Complex Computations (i.e., risk)
- Big Data Analytics via MapReduce
- Extract Transform Load (ETL)

Flexible Clusters



**Platform Cluster
Manager**

Provisioning and management of HPC clusters, including self-service creation and optimization of heterogeneous HPC clusters by multiple user groups

Clients span many industries

Platform LSF



“Platform Computing came to us as a true innovation partner, not a supplier of technology, but a partner who was able to understand our problems and provide appropriate solutions to us, and work with us to continuously improve the performance of our system”

- Steve Nevey, Business Development Manager
Red Bull Technology

[Watch Red Bull video](#)

Platform Symphony

European Bank "Platform Computing and its enterprise grid solution enable us to share a formerly heterogeneous and distributed hardware infrastructure across applications regardless of their location, operating system and application logic, ... helping us to achieve our internal efficiency targets while at the same time improving our performance and service quality“

-Lorenzo Cervellin, Head of Global Markets and Treasury Infrastructure
UniCredit Global Information Services

Platform HPC



“Platform’s software was a clear leader from the beginning of the process”

-Chris Collins, Head of Research & Specialist Computing
University of East Anglia

Clients span many geographies and help simplify large and small deployments

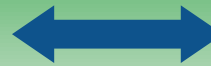
Large

Small

Research



LRZ SuperMUC
Europe-wide research cluster
9,587 servers, direct-water cooled

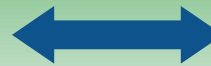


University of Chile
Earthquake prediction and astronomy
56 servers, air-cooled

Media



Illumination Entertainment
3D Feature-length movies
800 iDataPlex servers
Rear-Door Heat eXchanger cooled



Kantana Animation Studios
Thailand television production
36 iDataPlex servers, air-cooled

IBM continues its long history of driving high-end supercomputing innovation for R&D

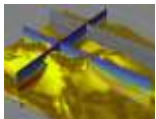
- Traditional use cases continue to grow



The universe is analyzed



Medical research is conducted



Oil is discovered



Weather is forecasted

- New #1 Supercomputer on Top500 list- Sequoia is 1.5x faster than the previous #1
- Largest number (213) including largest in US and Europe and most energy efficient



Source: [Top500 list](#), June 2012

Thank You!

ibm.com/technicalcomputing

ibm.com/platformcomputing

