

Grid Computing Solutions from IBM

ACT I: What is...

Imagine your IT resources flowing freely throughout your enterprise...

You could deliver:

- True business insight
- Massive computing power
- Sustained service
- And more and more value from your existing systems

You can bring all these results to your business ... with Grid Computing solutions from IBM.

ACT II: Anatomy of . . .

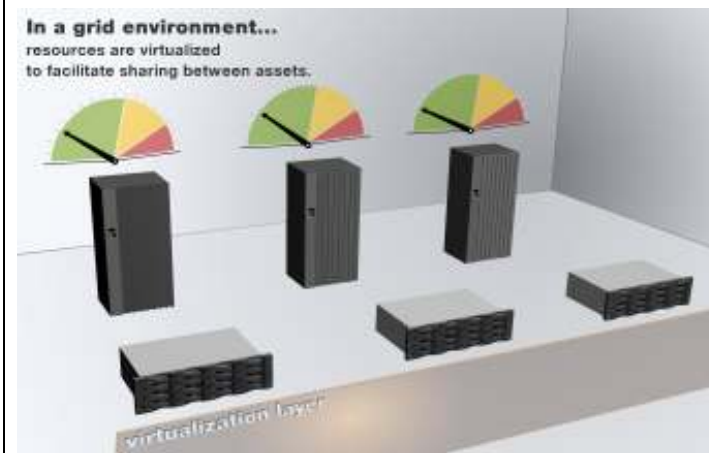
But how exactly does grid computing help realize these business results?

In a non-grid environment -- powerful applications are limited by server capacity and access to data

In a grid environment -- resources are pooled - or virtualized - to facilitate sharing between assets.

Application workloads are spread across servers.

And the scheduler sets the rules and priorities for routing the jobs to help optimize resources automatically ... for accelerated business results and time to market.



In a typical business environment, data resides in many different formats and locations, making it difficult to deliver integrated information where and when it's needed.

With grid, a combination of techniques is used to virtualize the data, so users and applications can quickly access integrated information regardless of where it is.

Whether you need faster applications, integrated information, or both, grid computing can enable a resilient, scalable, dynamic infrastructure to help your business work fast, smart and efficiently.

ACT III: Grid solutions . . .

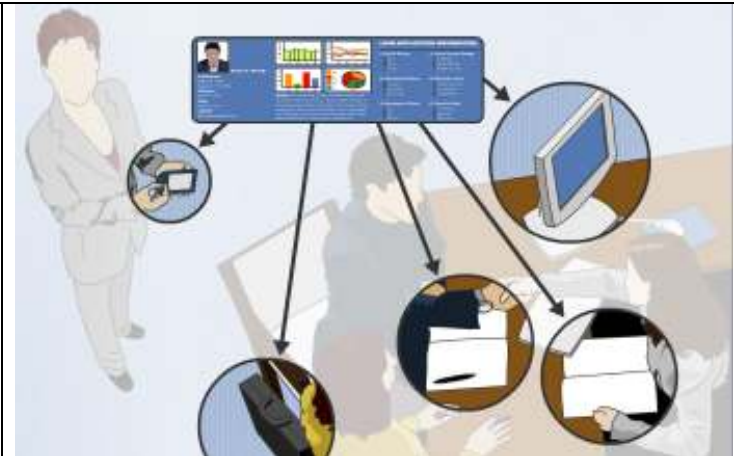
So how can you get started? IBM's Grid & Grow is an affordable, easy-to-deploy solution that lets you start small, demonstrate success, and minimize your upfront investment.

Utilizing an open, robust, and scalable architecture to accelerate compute-intensive applications . . .

. . . this packaged set of industry-leading hardware, software, and service includes the IBM BladeCenter® servers, Operating System, grid scheduler and a starter set of services.

IBM's Grid & Grow offering lays the foundation for a more robust grid implementation to expand as your needs grow.

And IBM offers a growing portfolio of targeted Grid solutions to address specific industry and business needs.



The insurance industry requires increasingly sophisticated future modeling techniques to help them cope with intense competition and regulatory pressures.

IBM's Grid & Grow for Actuarial Analysis is a solution suite that can give you the dynamic infrastructure you need to run thousands of scenarios and tens of thousands of model points fast.

IBM has partnered with industry leading application vendors to create a complete solution you can deploy quickly, using your existing investments.

Running more complex models at higher speed means shorter product development cycles, helping you innovate and stay ahead of the market.

For companies who want to jumpstart their ability to seamlessly manage data throughout the enterprise, IBM has grid solutions for data integration.

These solutions are designed to discover and cleanse data from across the enterprise so that it can be integrated into a single, consolidated view quickly and easily. They can help you get the information you need, in the form you need ... when you need it.

By creating a single, unified data integration infrastructure, you can help improve employee collaboration, boost productivity, and gain valuable business insights.



In the healthcare industry, the number and types of medical images are growing exponentially. It's challenging to provide quick, secure access to images in dispersed locations and keep costs under control.
IBM's Grid Medical Archive Solution combines IBM System Storage solutions and IBM System x™ servers with Bycast Inc.'s StorageGRID software on an open-source operating system. The solution stores images at the right place, for the right time, on the right media, based on relevance

The result? Patient images wherever you need them—at the moment you need them—improving patient care.

Today's financial services marketplace requires complex analytics and computations in near real-time for a broad portfolio of products such as derivatives, structured and fixed-income products, risk management, program trading, actuarial analysis, hedging and portfolio rebalancing.

IBM's Optimized Analytic Infrastructure supports numerically intensive business processes with grid technologies specifically designed for competitiveness in complex financial market environments. At its heart are two differentiating Grid technologies:

IBM ApplicationWeb virtualizes the software environments so applications can be deployed rapidly across the globe while allowing for local software preferences. ApplicationWeb also provides automated tooling to rapidly deploy new applications in grid computing environments in a repeatable manner.

IBM General Parallel File System provides the high-performing data management



that's critical for financial market applications...especially in scale-out environments. General Parallel File System is an extremely low-latency, highly available, truly distributed file system.

IBM's Optimized Analytic Infrastructure provides a complete high-performance, grid-enabled, distributed computing infrastructure. OAI is a solution that enables you to complete complex calculations with great accuracy, quickly, to program trade with low latency, and to move from on-request to real-time pricing and risk assessment.

ACT IV. Customer Success . . .

A successful implementation worked for this top, US-based financial services company, faced with IT budget cuts.

Needing to upgrade their infrastructure for expanding resource requirements, but finding the solution too expensive – the Investment Division chose a simple grid implementation.

This helped reduce processing time by half, so they could run more models for investment portfolio performance analysis, and respond more quickly in volatile markets.

Not only did the company enhance its IT architecture - the IBM solution helped reduce its overall costs by 60%.



Act V. Conclusion . . .

So what if you could deliver true business insight to everyone? Valuable service?
And more and more value from your existing systems?

You can ... with Grid Computing solutions from IBM.

You don't have to imagine the possibilities ... simply contact your IBM client
representative or the Grid solutions team at ibm.com/grid

