Building a Better Infrastructure With IBM Middleware on IBM PowerTM Systems

Introduction

Introducing Service Oriented Finance

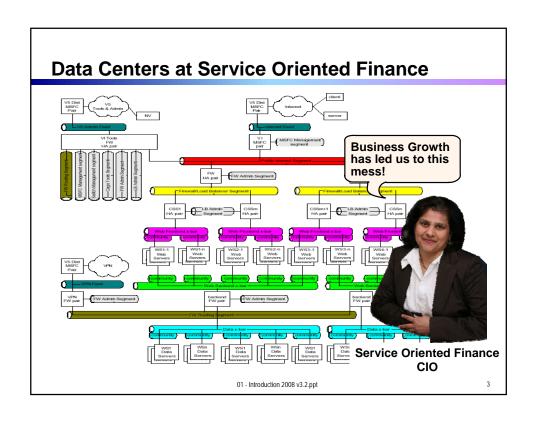
We are a successful business that has grown rapidly.

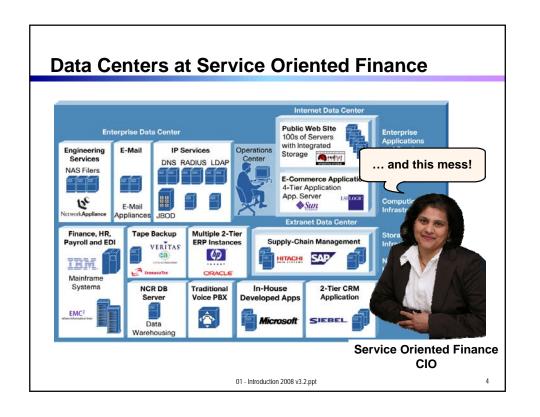
However, IT is now becoming a roadblock to our growth.



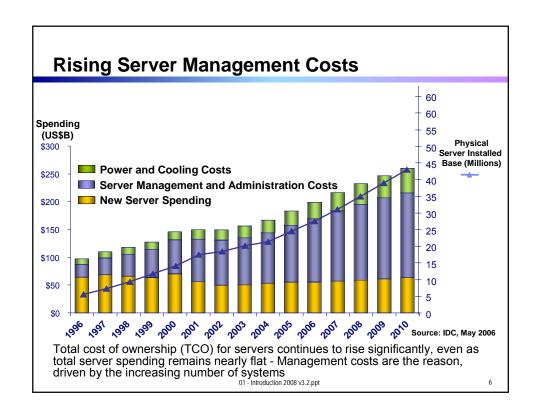
Service Oriented Finance CEO

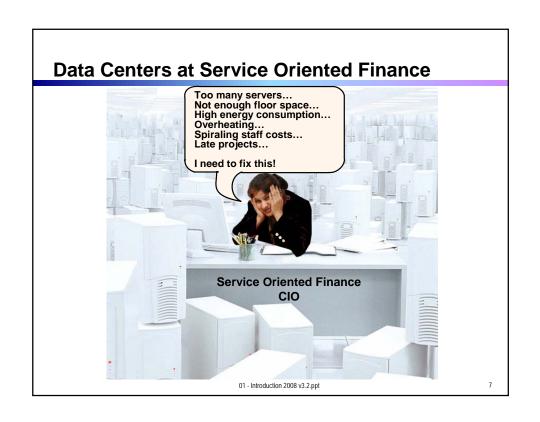
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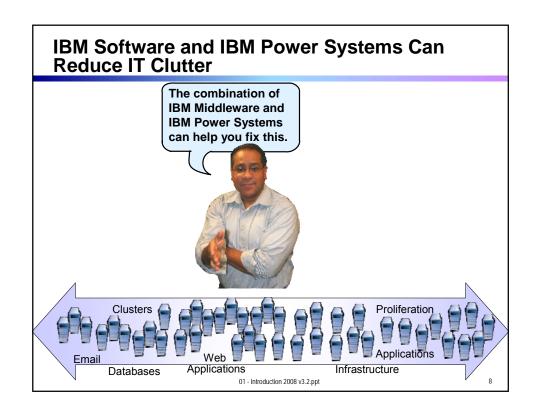


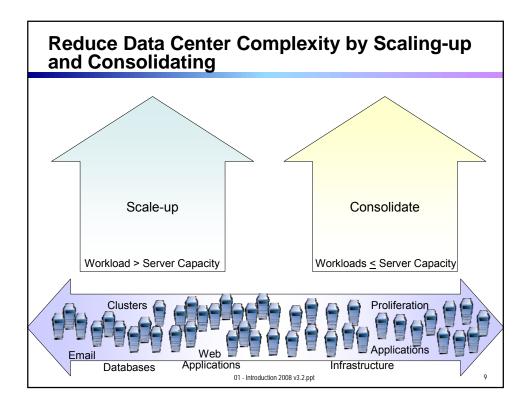


Internal IBM Consolidation Project -**Distributed Cost Per Server Annual Operations Cost Per Server** (Averaged over 3917 Distributed Servers) \$34,447! Power \$731 \$987 Floor Space These annual operating \$777 Annual Server Maintenance costs are consuming my **Annual Connectivity Maintenance** \$213 budget. \$203 Annual Disk Maintenance There's nothing left for \$10,153 Annual Software Support new projects! Annual Enterprise Network \$1,024 Annual System Administration \$20,359 **Total Annual Costs** \$34,447 The largest cost component was labor for system administration - 7.8 servers per headcount @ \$159,800/yr/headcount. 01 - Introduction 2008 v3.2.ppt









Jebsen & Jessen Benefits From Scale-Up and Consolidation

Challenges

- Migrate business critical SAP environment to a new database
- Consolidate physical server infrastructure
- Drive down TCO

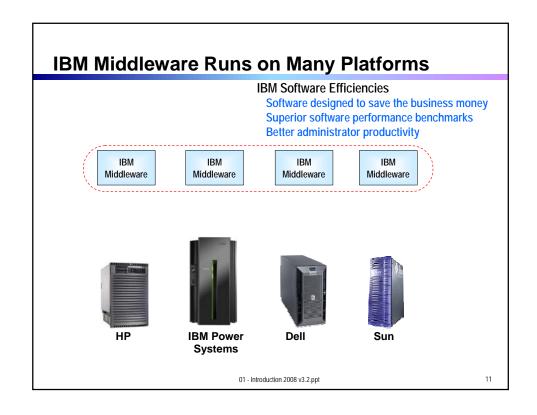
Solution

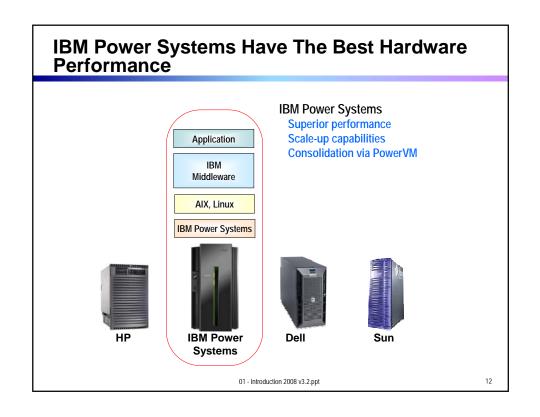
- Replaced seven HP-UX servers with three IBM Power Systems running IBM AIX
- Implemented SAP ERP on IBM DB2

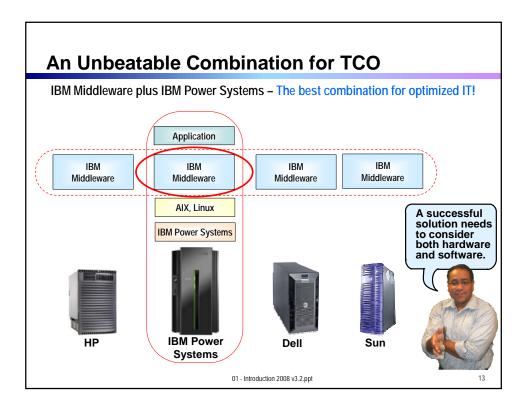
Jebsen & Jessen SEA doubles performance and cuts 20 percent from TCO with DB2 on IBM Power Systems.

- "We felt that the IBM hardware was technically superior."
- Roy Lim, Operations Manager Jebsen & Jessen SEA
- "The migration of our SAP ERP environment to IBM DB2 on IBM System p5 servers has delivered improved performance and availability."
- Gopal Varutharaju, Director Information Technology Jebsen & Jessen SEA

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IBM Middleware – Designed to Work Best on IBM Power Systems

■ DB2

- Optimizations to exploit large page sizes, decimal floating point, Simultaneous Multi-threading, storage protection keys
- Recovery integration, first failure data capture

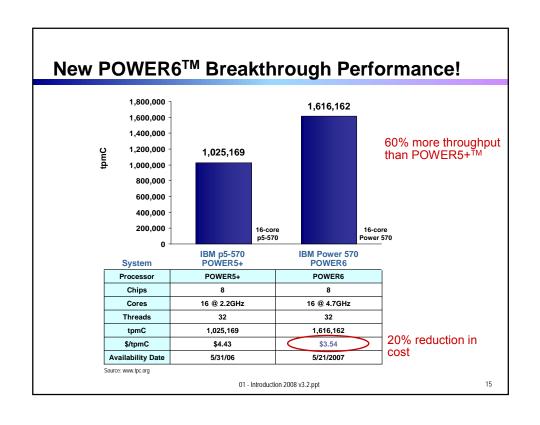
Lotus

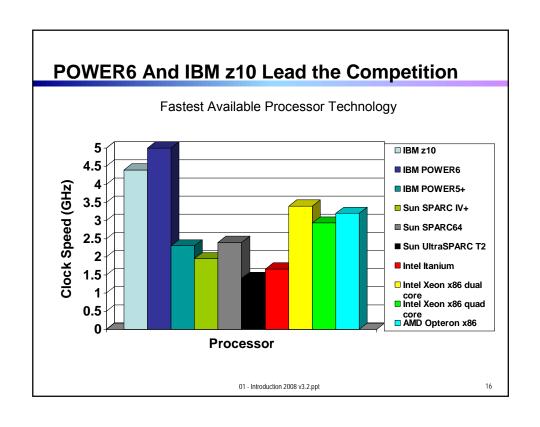
- ▶ Integrated collaboration environment that can support more than 15,000 users on a single IBM Power Systems server
- The internal mail system at IBM is deployed with Domino on IBM Power Systems

WebSphere

- ➤ Takes advantage of IBM Power Systems 64-bit architecture and large memory to provide enhanced performance by caching, just-in-time compilation, etc.
- WebSphere provides flexible deployment options that can take advantage of IBM Power Systems virtualization and partitioning

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IBM Power Systems Are Designed to Easily Scale-Up or to Consolidate

Scale-up Features

- ▶ Up to a 64-core SMP server
- Simultaneous Multi-threading
- Larger page sizes
- Hardware decimal floating point
- Dynamic reconfiguration to deliver capacity on-demand

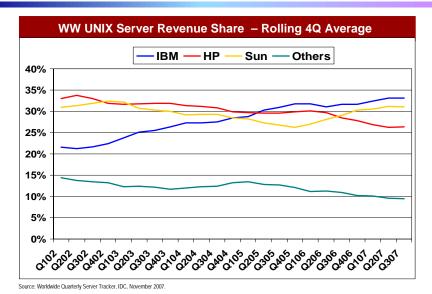
Consolidation Features

- Hardware virtualization with hypervisor support
- Dynamic resource allocation
- Up to 10 logical partitions per core
- Storage protection keys
- Virtual I/O
- Linux support
- PowerVM Lx86
- Live Partition Mobility

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Unix Server Rolling Four Quarter Average Revenue Share



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IBM Middleware Is Designed to Save the Business Money

WebSphere.

Extend the value of applications and business processes with SOA

Build Business Capability Faster

Information Management

Integrate data and enterprise content to leverage information on demand

Better Business Decisions

Lotus.

Enables businesses to communicate, collaborate and increase productivity

Employees Respond to Business Challenges Effectively

Rational.

Govern software and systems delivery

Development Efficiency and Project Success

Tivoli.

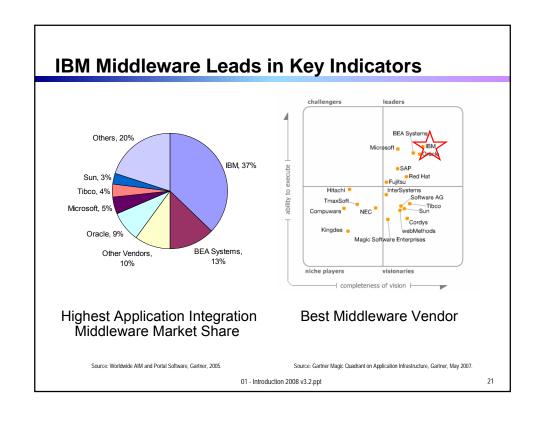
Manage infrastructure, operations and IT processes, to more effectively deliver services aligned to business goals

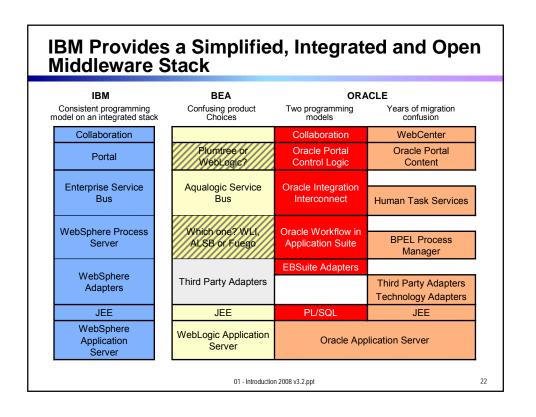
Continuous Business Operation

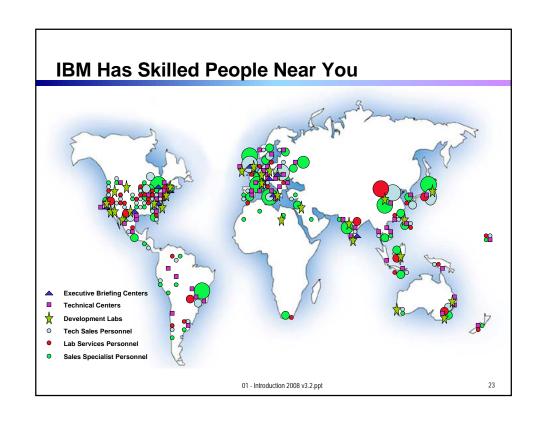
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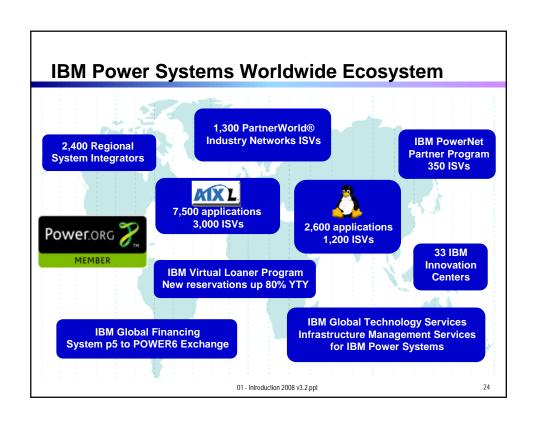
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IBM Is the World's Largest Middleware Vendor WW Middleware Revenue Market Share 35% 30% 25% 20% 15% 10% 5% 0% **IBM BEA** Oracle Microsoft Tibco Source: Market Share: Portal, Process and Middleware Software, Worldwide, 2004-2006, Gartner, June 27, 2007. 01 - Introduction 2008 v3.2.ppt





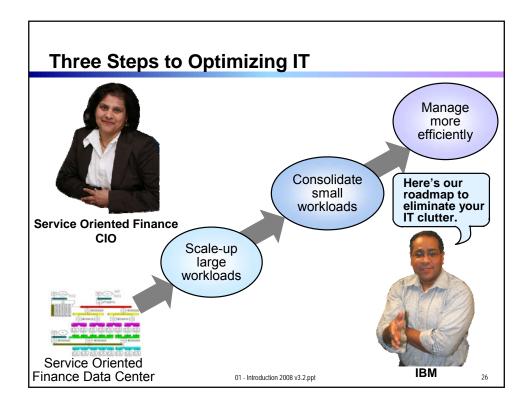




Why is IBM Middleware + IBM Power Systems the Best Solution to Simplify Your IT Environment?

- Fast and powerful IBM Power Systems servers can handle several workloads
- Software designed to lower cost and improve flexibility
 - Designed with business costs in mind
 - Integrated software environment
 - Software designed to take advantage of a fast server
 - DB2, Lotus, WebSphere, Tivoli, Rational
 - Software designed to easily consolidate workloads
- Software management to simplify and contain labor costs
- Net result great price/performance and reduced complexity

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SHOW ME MORE!



Service Oriented Finance CIO

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Agenda

- Introduction
- POWER Hardware Improves Utilization and Reduces Costs
- Break
- Reduce Database Complexity and Improve Performance with DB2
- Simplify Collaboration Services with Lotus Domino
- Lunch
- Consolidation Through Virtualization Saves Space, Energy and Costs
- Simplify Sprawling Web Tiers To Scalable WebSphere Servers
- Break
- Manage Datacenter Services With Best Practices
- IT Accounting in a Virtualized Environment
- IBM Middleware on Power Systems An Unbeatable Combination for TCO

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