IBM: The Software Agenda

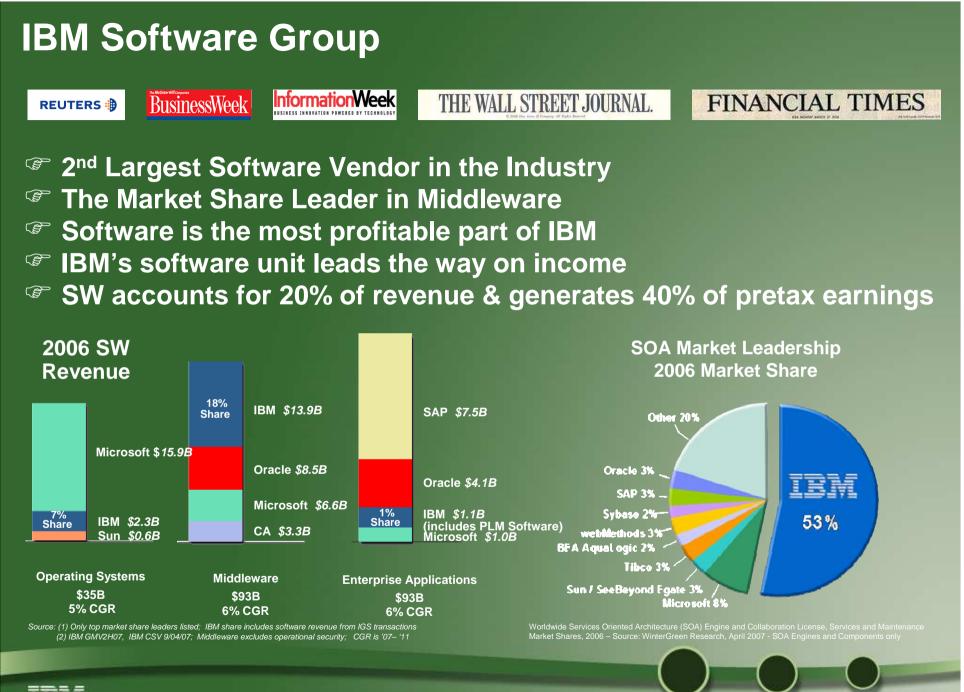
Stephen Smith VP Enterprise Sales Software Group, IBM



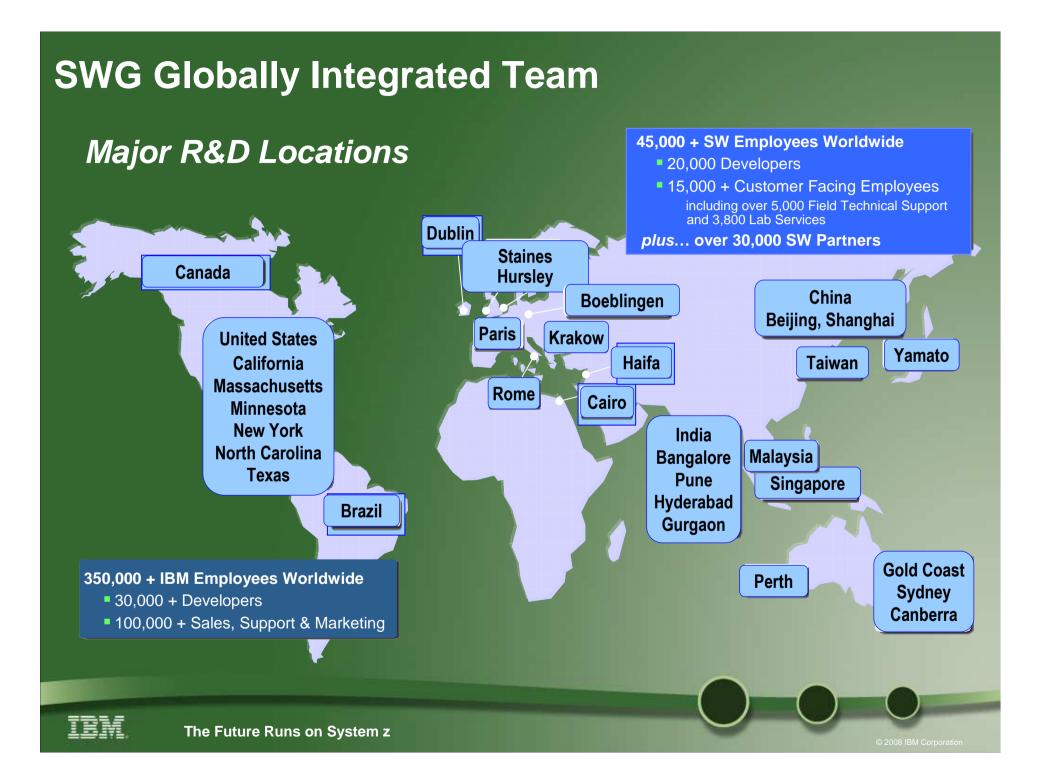




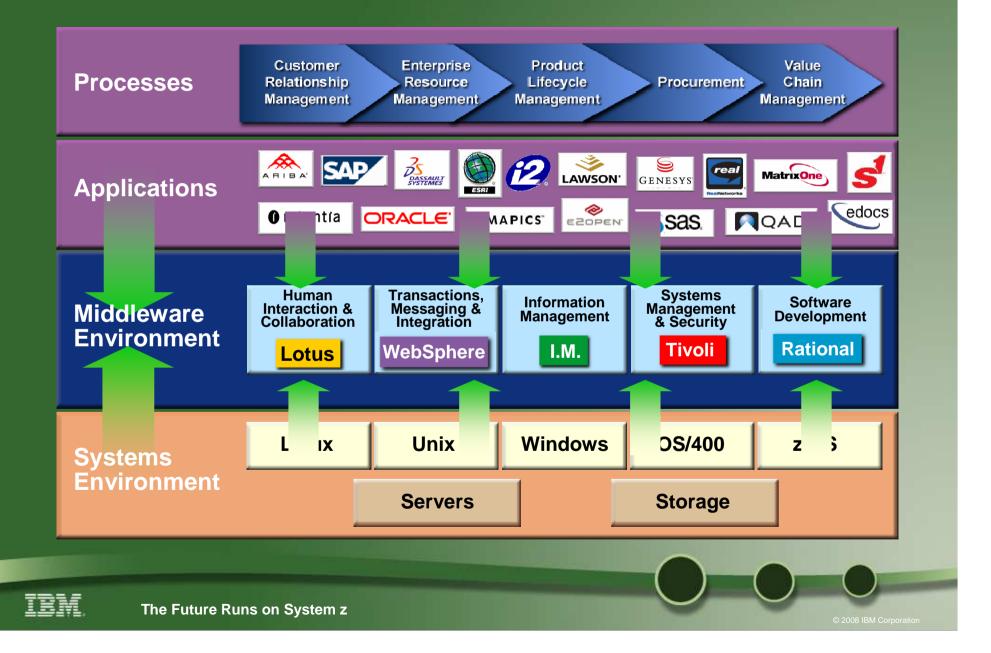
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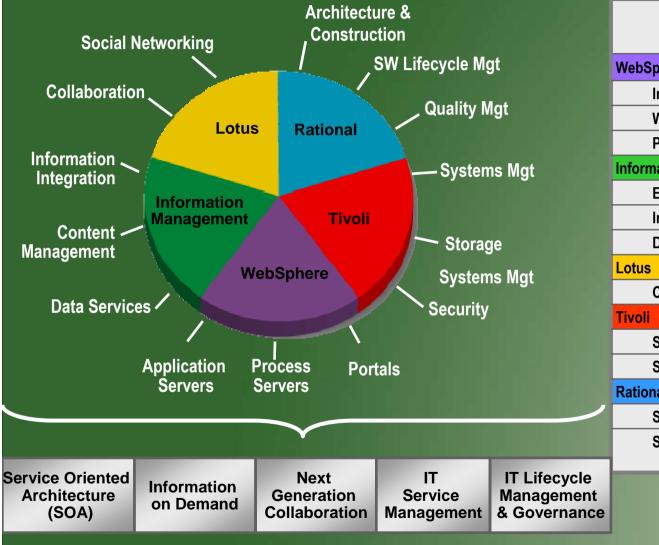
The Future Runs on System z



Middleware Evolution



Market Leaders across SWG Portfolio

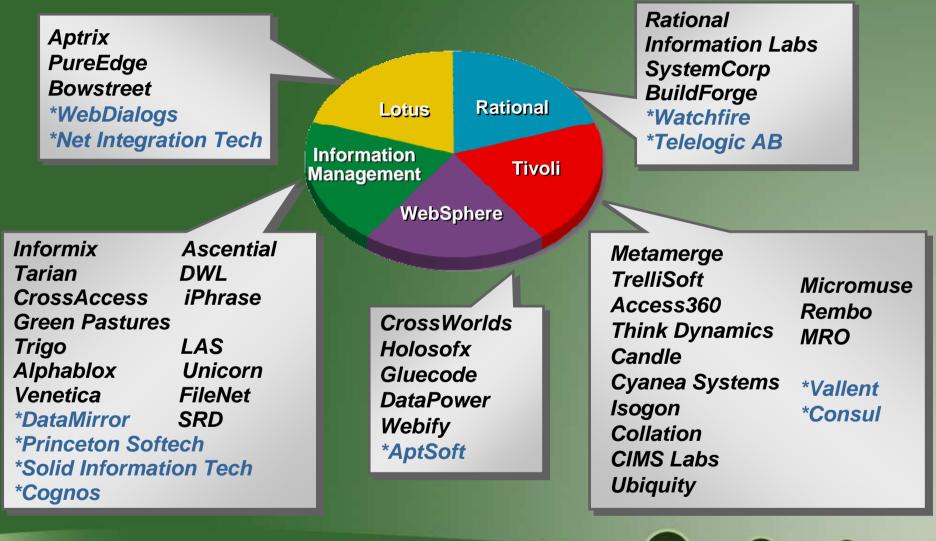


Key Product Segments	IBM Share Position
WebSphere	#1
Integration Server	#1
Web Application Server	#1
Portal Server	#1
Information Management	#2
Enterprise Content Management	#1
Information Integration (incl MDM)	#1
Database Engines & Tools	#2
Lotus	#2
Collaboration	#2
Tivoli	#2
Security Management	#1
Storage management	#3
Rational	#1
Software Configuration Mgmt	#1
Software Lifecycle Mgmt & Governance	#1

Sources: IBM Finance, IBM Market Analysis, Company Reports, IDC Software Tracker



Software Group Acquisitions



Note: Acquisitions since Jan 2001; * 2007/2008 Acquisitions



System z10 – the Software value snapshot





WAS for z/OS - Powerful combination with new z10 Taking advantage of hardware capabilities

- Facilitates transaction workloads with hardware features
 - Increased CPU power (64 CPUs per image)
 - Very large real memory (1 TB)
 - Increased I/O and network bandwidth
 - Hyper Dispatch
- Improves Security



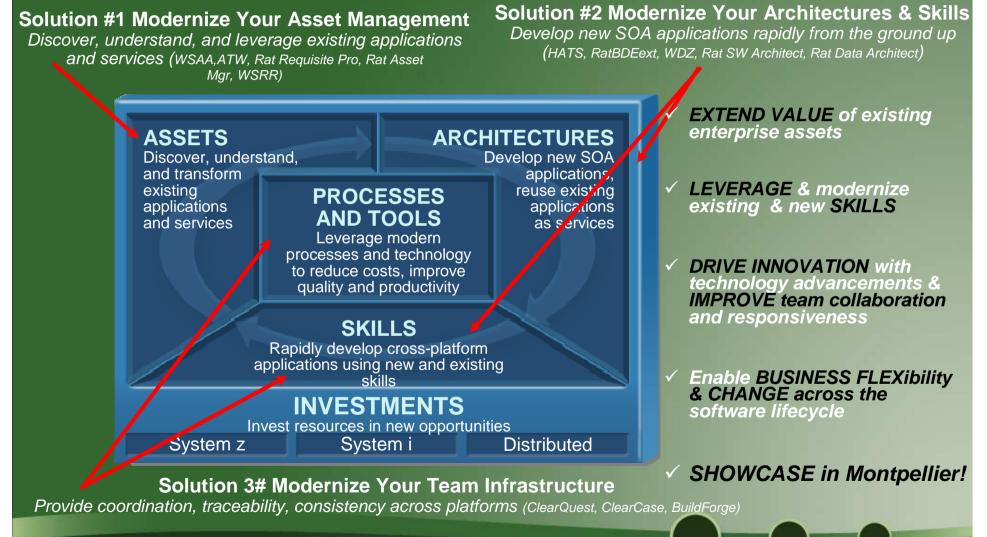
Hardware, operating system, and middleware working together.

- Advanced Encryption Standard (AES) using 256 bit key
- Estimate WAS V6.1 (Java5) performance on z10 to be 1.5 times faster
- Java6 promises additional improvements
 - Large page exploitation in managing heap ____
 - **Extensive exploitation of new hardware instructions** ____
 - **Decimal Floating Point exploitation through the BigDecimal class** ____





The importance of Enterprise Modernization To improve IT flexibility, you need to modernize your enterprise in the following areas:





New Information On Demand Software for System z *Better business decisions, faster and with a lower overall TCO*

Cognos 8 Business Intelligence for System z

Single solution for reporting, analysis, dashboards and scorecards Delivers a competitive advantage for organizations with operational information on System z



Now

Available



DB2 for z/OS Value Unit Edition

New one-time-charge offering that simplifies the deployment of new application workloads

Data Warehousing on System z

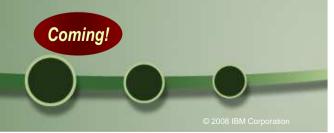
More than 50 new features in DB2 for z/OS supporting warehousing Information Server for System z - brings new scalability, information consistency and performance





InfoSphere Master Data Management Server for System z

More effectively manage high-value operational information Addresses and solves the root cause of master data complexity





New Tivoli System Management Capabilities for System z

unprecedented levels of Visibility, Control and Automation

System Automation for z/OS and NetView®

- Enhanced integration with IBM Tivoli® OMEGAMON XE
- Workload Scheduler for z/OS, and System Automation for Integrated Operations Management reduces manual intervention by enabling batch workloads to automatically start and stop resources





Tivoli zSecure Suite

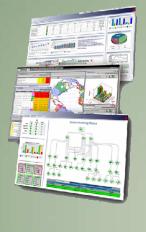
- Real-time mainframe monitoring solution that enables efficient monitoring of intruders and improper configurations
- Windows based interface for immediate productivity
- Offline management of RACF® resources RACF for z/VM March '08

Tivoli OMEGAMON

- Automatic CICS® Transactions Gateway Discovery for monitoring and TS Server analysis
- Views into CTG transaction and CICS TS Server workload, resource and utilization ensuring process availability and efficiency.
- Integration of Tivoli Discovery Library Adapter with CCMDB for automatic service population
- Simultaneous sessions for CICS on z/OS for TS

IBM Tivoli Monitoring Green Energy Agent

- Reports additional data (power and thermal metrics) into IBM Tivoli Monitor
- Power / Energy data reported in Tivoli Enterprise Portal
- Support of Tivoli Data Warehouse for storage of energy data
- ITM can control server power through manual / automatic action





Delivering value for the Platform System z Software Agenda

- **Keep investing in delivering new, tightly-coupled technology (HW & SW)**
- Significant performance gains for IBM software running on System z10 EC
- New Software announcements strengthening System z as the:
 - Enterprise Hub for Mission Critical Data & SOA
 - Enterprise Business Resilience Manager
 - Enterprise Security Manager
 - Enterprise Workload Manager
- Simplify & Modernize the platform for the New Generation of IT professionals
 - System z platform for new workloads helps clients attain the following benefits
 - Faster response to demands by business for change
 - Reduced dependency on specialized skill-sets
 - Reduced cost of workloads and management
 - Reduced risk associated with changing IT infrastructure
 - Better alignment of IT with business

All in All...keep improving the TCO of the platform !





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