

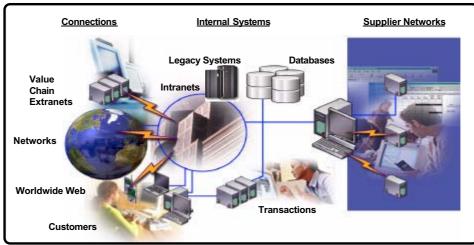






### Infrastructure

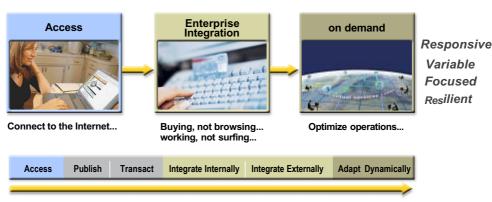
IT environments are increasingly heterogeneous and complex.



The role of modern middleware is to integrate and simplify.



# **Stages of e-business Adoption**



"An enterprise with business processes --integrate end-to-end across the company and with
key partners, suppliers and customers --, can
respond with speed to any customer demand,
market opportunity or external threat."



# **Challenges**

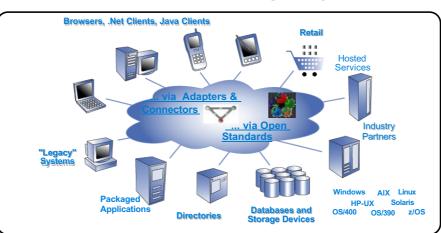


- ► Technology
- Adoption
- Business Model
- ➤ Infrastructure ➤ Business Agility
  - ► Leverage Investments



on demand

# **Business Agility**



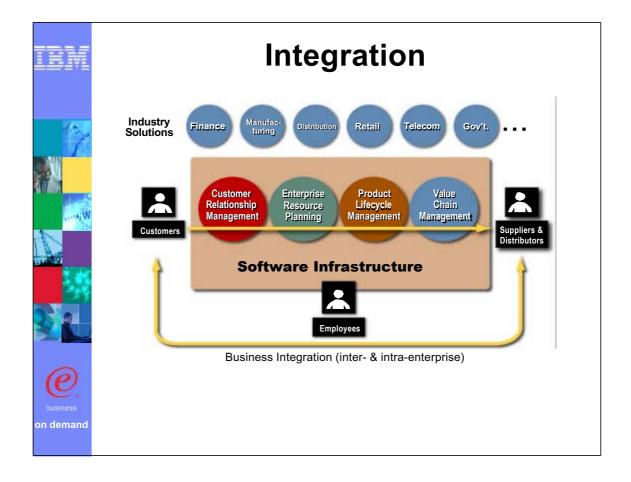
- Customers require flexibility to rapidly address:
  - new business requirements
  - changes in their business model and design
  - changes in their relationship with suppliers, partners, customers, etc.
  - ... while leveraging existing investments

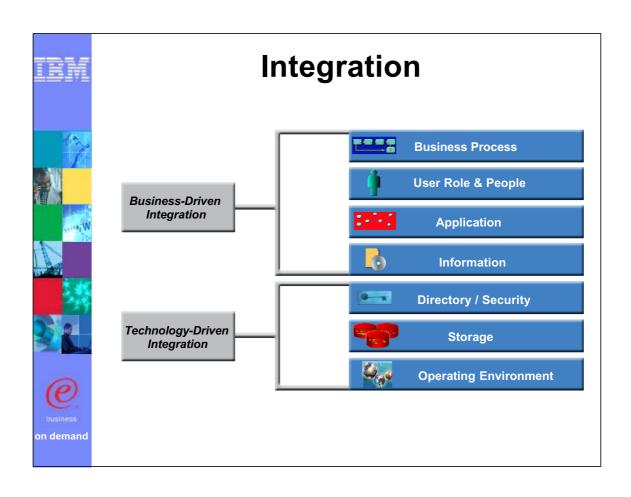


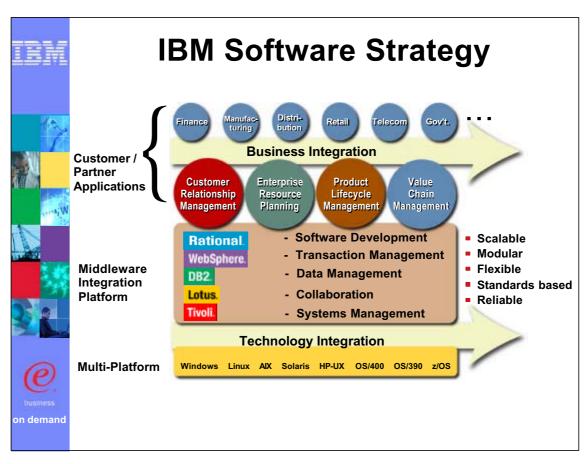
# on demand

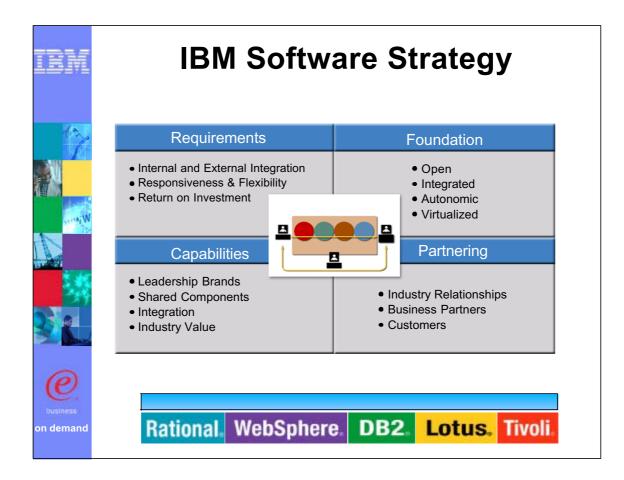


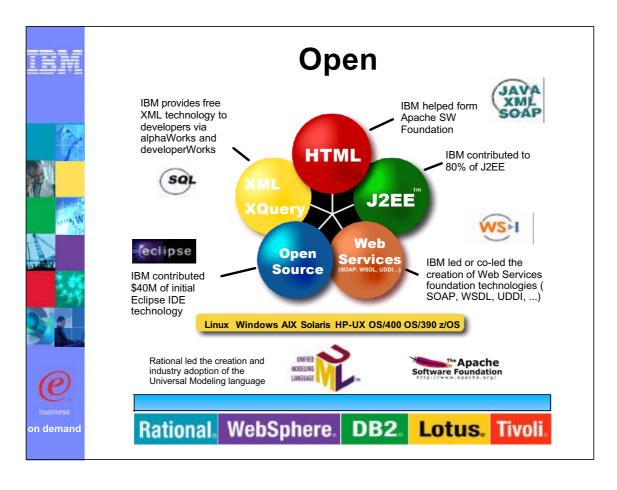
- Integration
- ► Autonomic
- Open Standards
- ➤ Virtualized













# Open

#### **Enabling Business Innovation**



#### **Enterprise-quality Operating System**

Reliable, scalable, secure multi-platform integrates with existing operating system

#### **IBM Activities**

- √ 65+ software products on Linux
- ✓ IGS enterprise support and service for Linux
- ✓ All IBM platforms support Linux













# on demand

# Integrated



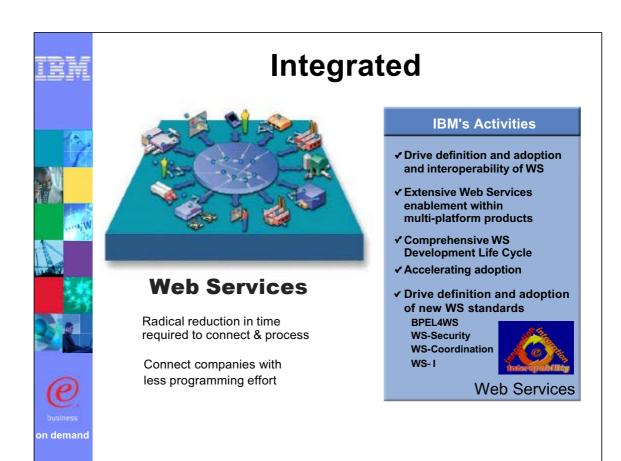
### **Pervasive Computing**

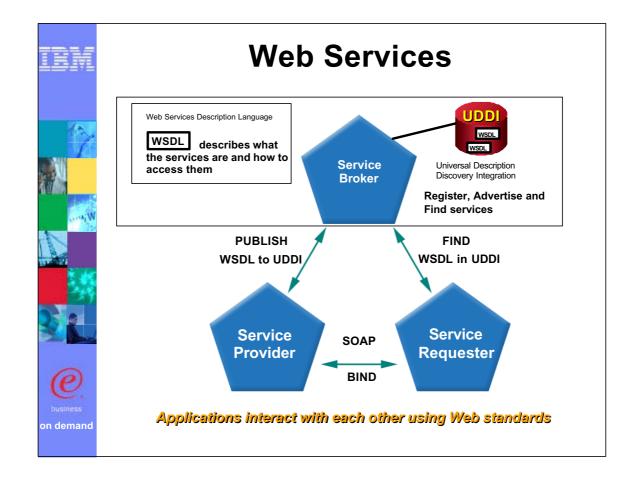
Accessibility— flexible access to a variety of devices and contexts

Multimodal — Voice and Data Standards based

#### **IBM's Activities**

- ✓ Mobile access Intermittently connected computing model— **Edgelets**; Portlets
- √ Voice access Natural language/voice **Portal Access**
- ✓ Multimodal Access Multimodal tool enablement—Eclipse
- ✓ Device's embedded software device management, Datastore, VPN, IM
- √ Strategic partnerships







### **Autonomic**



### **Autonomic Computing**



Self-protecting Self-optimizing Self-healing Self-configuring

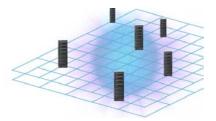
#### **IBM's Activities**

- ✓ Autonomic capabilities delivered in IBM SWG products
  - WebSphere, DB2, Lotus, Tivoli
- ✓ Tivoli provides cross platform autonomic capabilities
- ✓ Storage management enhancements via Tivoli
- ✓ IGS Services for Autonomic Computing
- ✓ Open industry approach— Engaging with standards bodies like IETF, DMTF, GGF
- ✓Worldwide Autonomic Computing Design Centers



on demand

### **Virtualized**



### **Grid Computing**

Flexible, dynamic access to computing resources

Increased reliability and availability

A vast aggregation of geographically dispersed computing resources

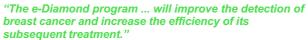
Standards-based



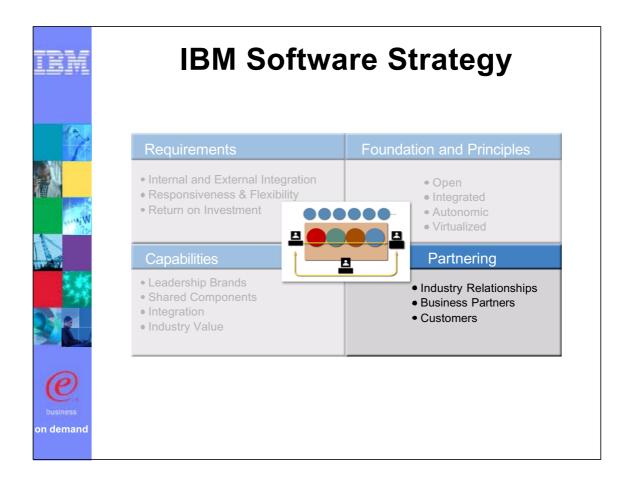
e-Diamond

#### **IBM's Activities**

- ✓ Partnership with Globus to create J2EE-compliant version of Globus Toolkit
- ✓ Open Grid Services Architecture (based on Web services) workgroup leadership
- ✓ Since April 2002, established three Grid Innovation Centers (France, U.S. and Japan)
- ✓IGS Grid Services to plan, design, migrate, implement, run and manage grid environments

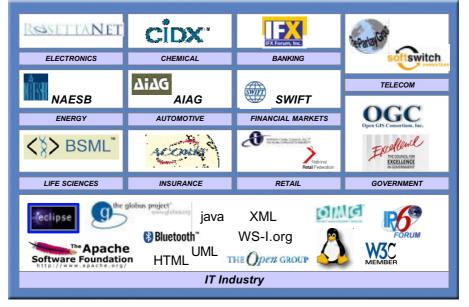


Lord Sainsbury, Minister of Science, United Kingdom Government





# **Industry Relationships**



IBM is a leader in promoting open standards engaging with IT companies, industry consortiums, open source communities, standards bodies, etc.



### **Business Partners**



- ISV, SI & influencer success
  - 100+ strategic alliances signed
  - alliance "lites" signed
- SMB solution strategy is partner led
  - regional partners for personalized and long term relationships
- 68,000 ISVs
- 16,500 Reseller Partners
- 4,500 Systems Integrators
- 1,500 Web Integrators
- 400 Service Providers
- 100 Strategic ISV Alliances

www.ibm.com/partnerworld



# **Customers**

Partnering to Increase Customer Success





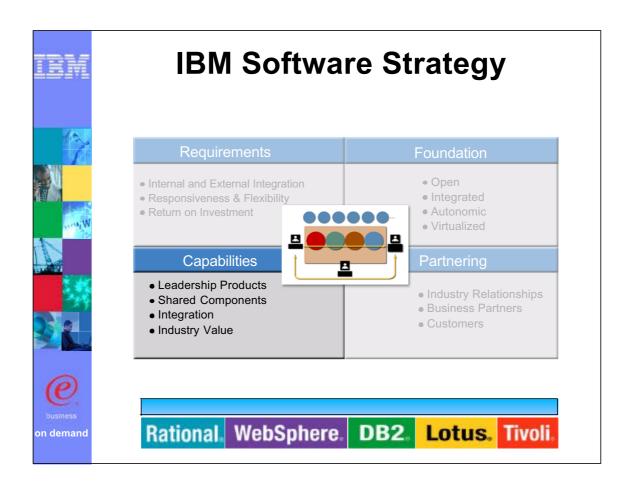


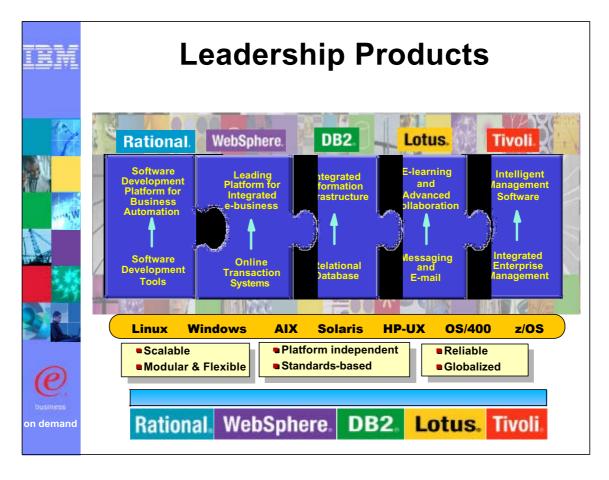


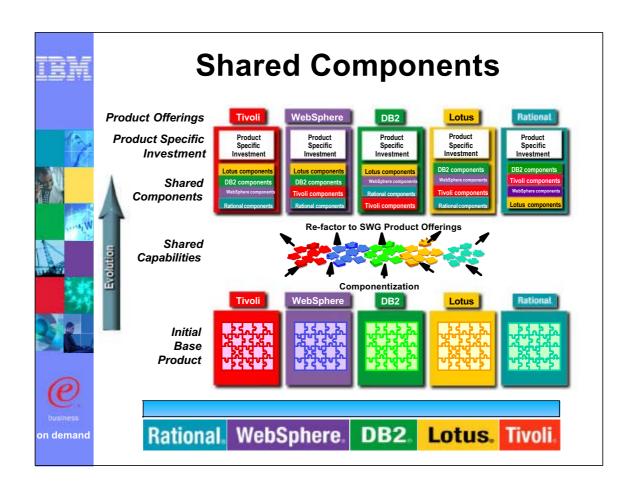
IBM SWG Lab Services

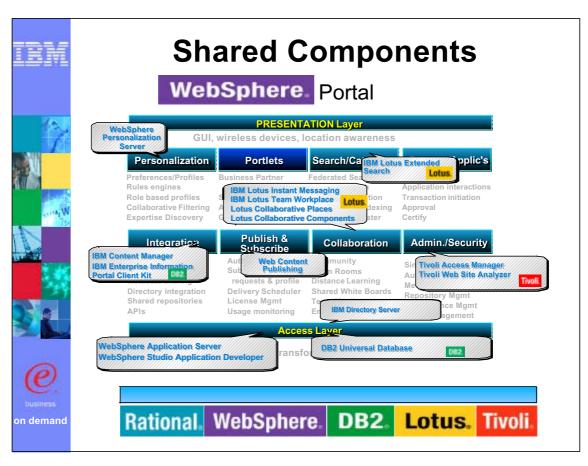
Sharing Expertise ·

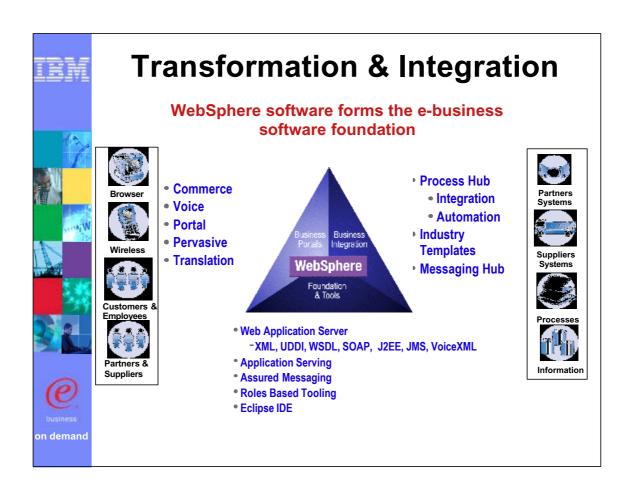
Fee Based Services

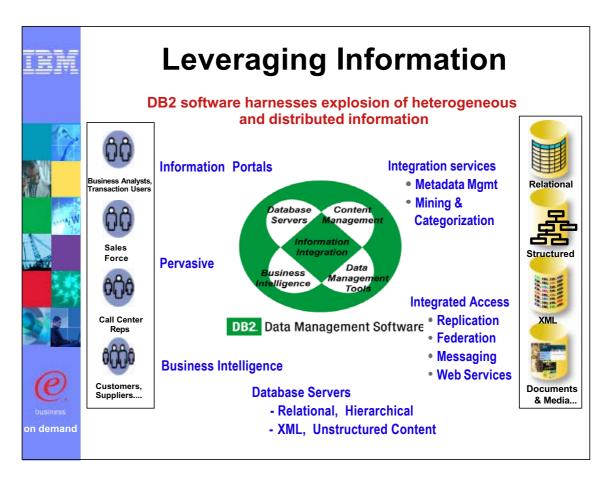


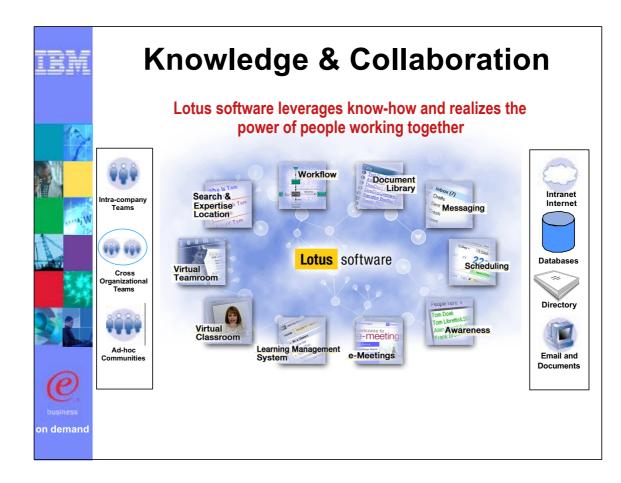


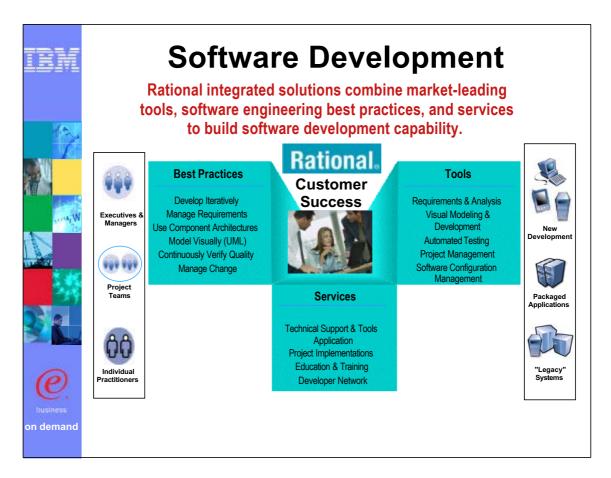












# **Management & Security**

Tivoli provides trusted security and manages your IT infrastructure

#### Configuration & Operation

Role-based configuration

- Configure resources
- Schedule, automate and coordinate

#### Performance & Availability

- Identify, notify and cure infrastructure problems
- Contract, measure and proactively manage end-user service levels







#### Security

Network Security System

Align e-business & security

- Manage user identities
- Centralize access control
- Correlate infrastructure security events



#### Storage

Policy-based automation

• Backup & recovery

- Enable continuous operation
- Identify and manage storage resource utilization

on demand

### **IBM Software Story**

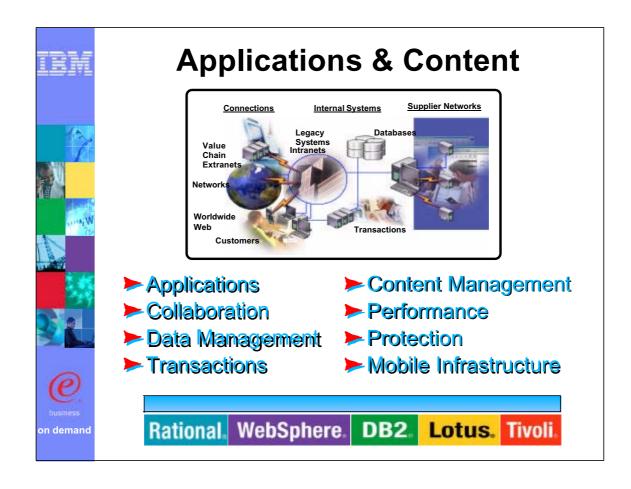
**Applications & Content** 

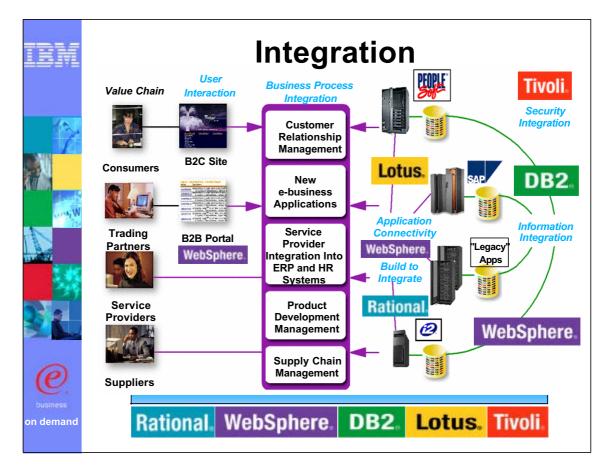
**Integration** 

**User Experience** 

**Management & Security** 

**Development** 







# **User Experience**



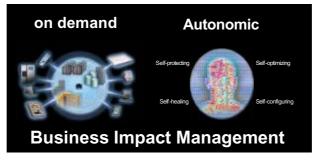
- Content
- Applications
- Collaboration
- ➤ Personalization ➤ Administration
- Presentation
- ➤ Pervasive
- ➤ Host Integration

Rational WebSphere DB2 Lotus Tivoli



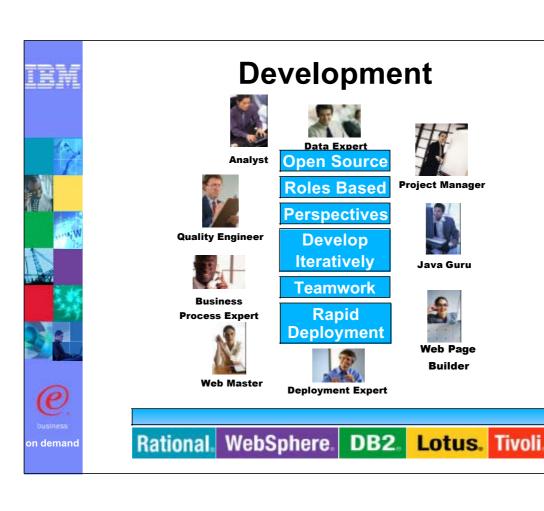
# **Management & Security**

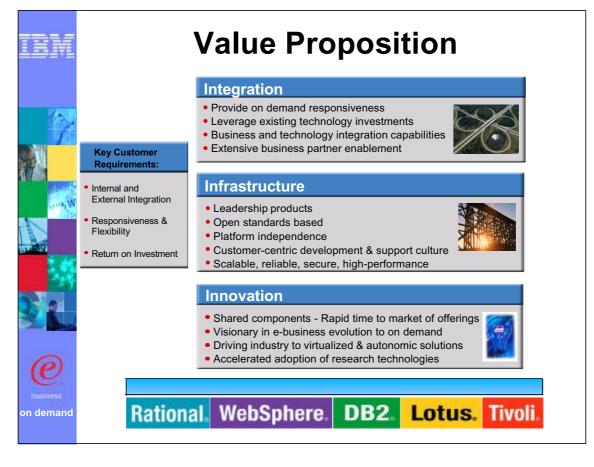
Managing a complex IT infrastructure



- ➤ Manage Resources
- ► Improve Security
- ➤ Greater Performance
- ➤ Better Asset Utilization

Rational WebSphere DB2 Lotus. Tivoli







# IBM Software Story



@ business Live!

Rational WebSphere DB2 Lotus Tivoli



**IBM Software Story** 

**Applications & Content** 

**Integration** 

**User Experience** 

Connections Internal Systems Supplier Networks
Legacy Systems Databases
Chain
Extranets
Extranets
Worldwide Web
Customers

Customers

**Management & Security** 



**Development** 

