



e-business in *Action*

Ron Sebastian

Bud Hartley

IBM Software Group



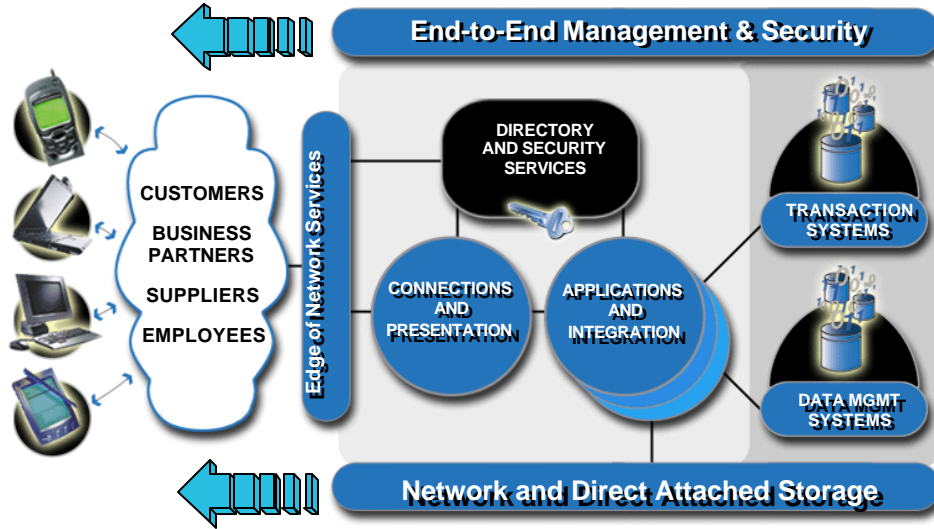
e-business Challenges

- ▶ **Business**
- ▶ **Technology**
- ▶ **Infrastructure**

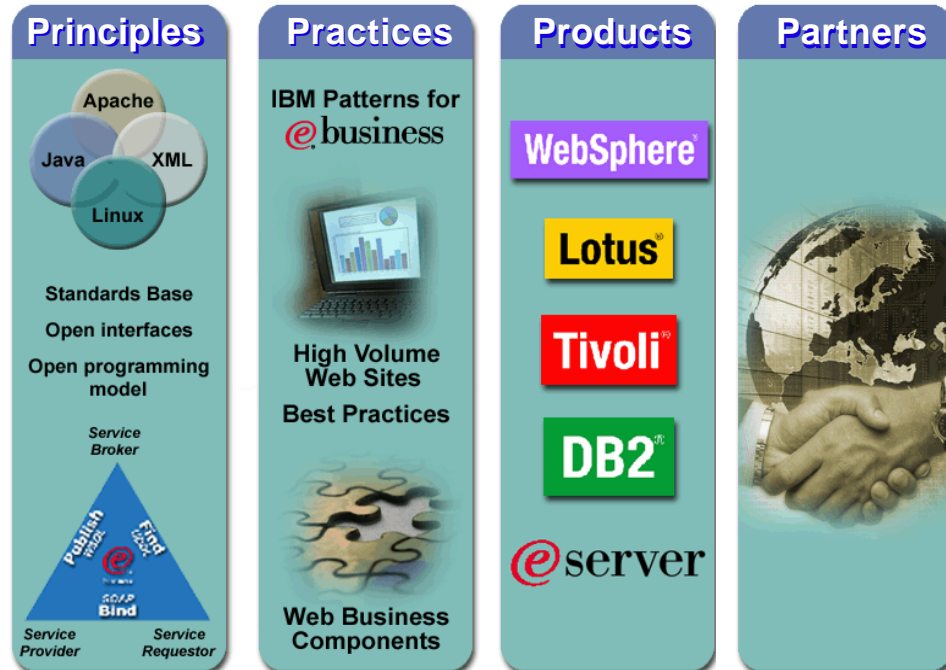




e-business Infrastructure

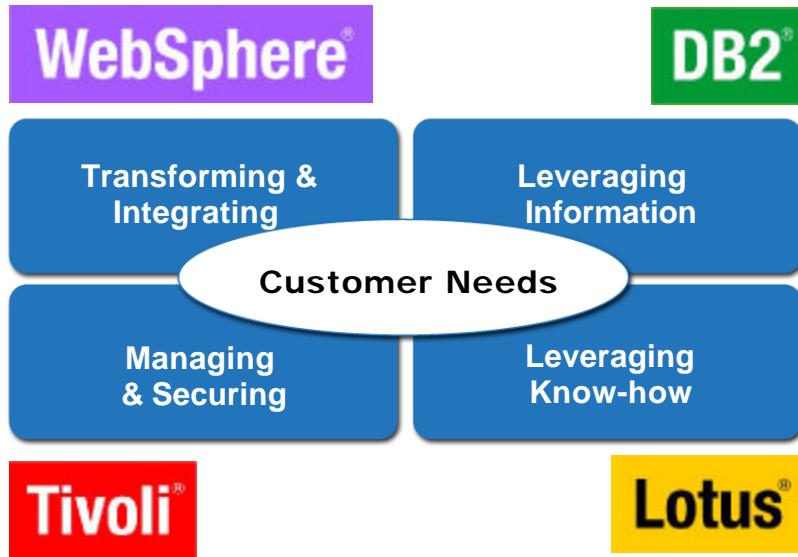


IBM Software Infrastructure Blueprint

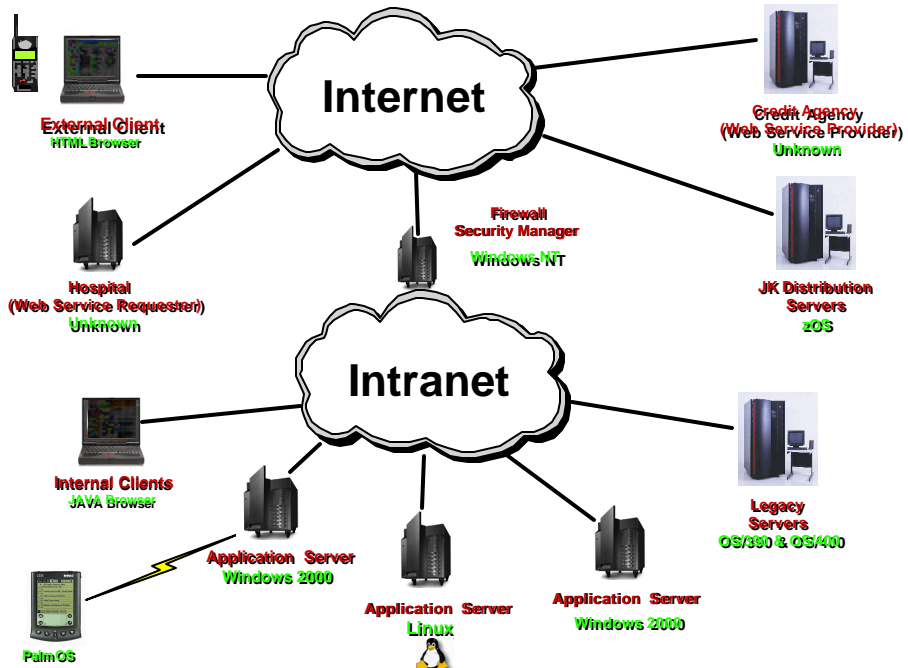




Leadership Products



Implementation Hardware





Dynamic e-business Foundation

User Experience

Process Integration

Applications and Content

Management & Security

Development

IBM



Dynamic e-business Foundation

Applications and Content

WebSphere

Application Server

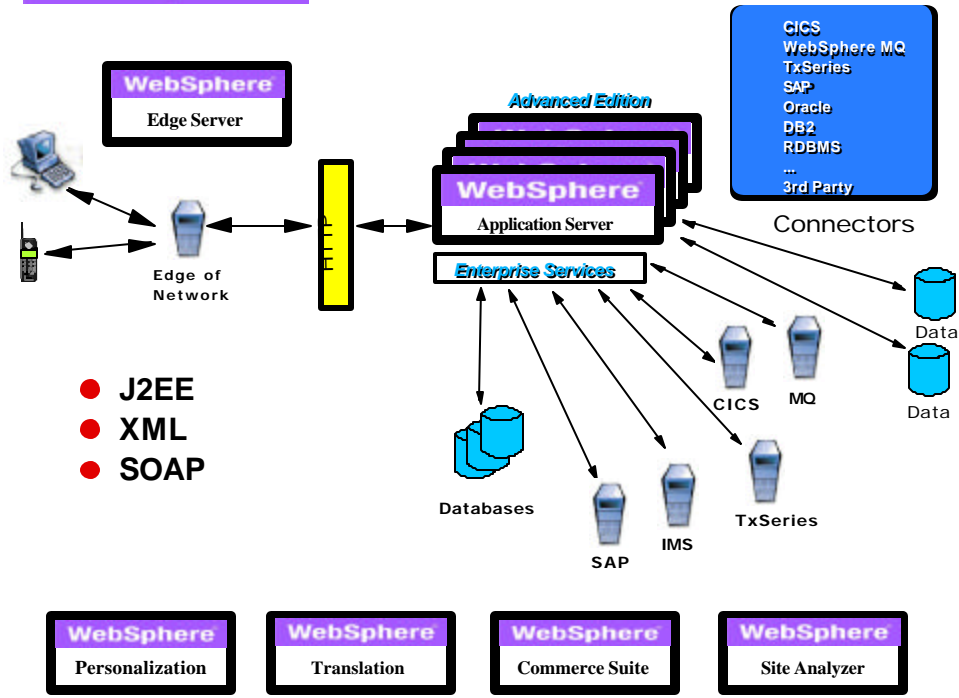
Lotus

DB2

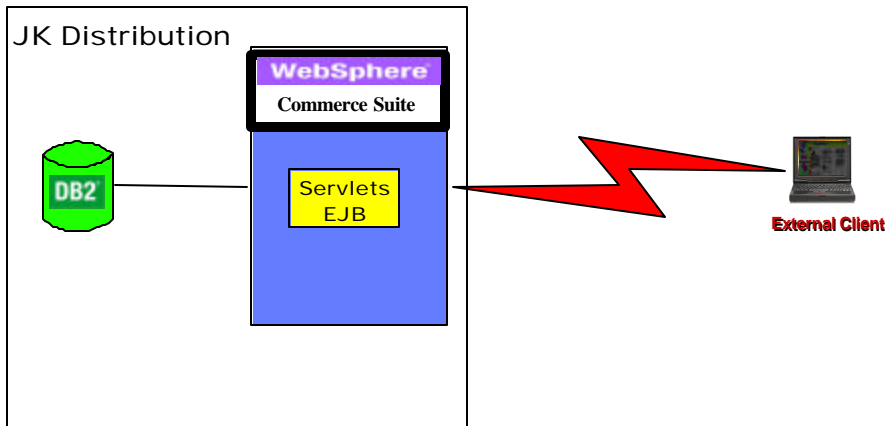
IBM



WebSphere Application Server

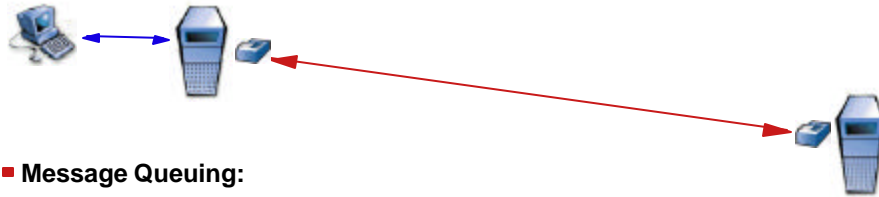


Implementation





WebSphere MQ Messaging

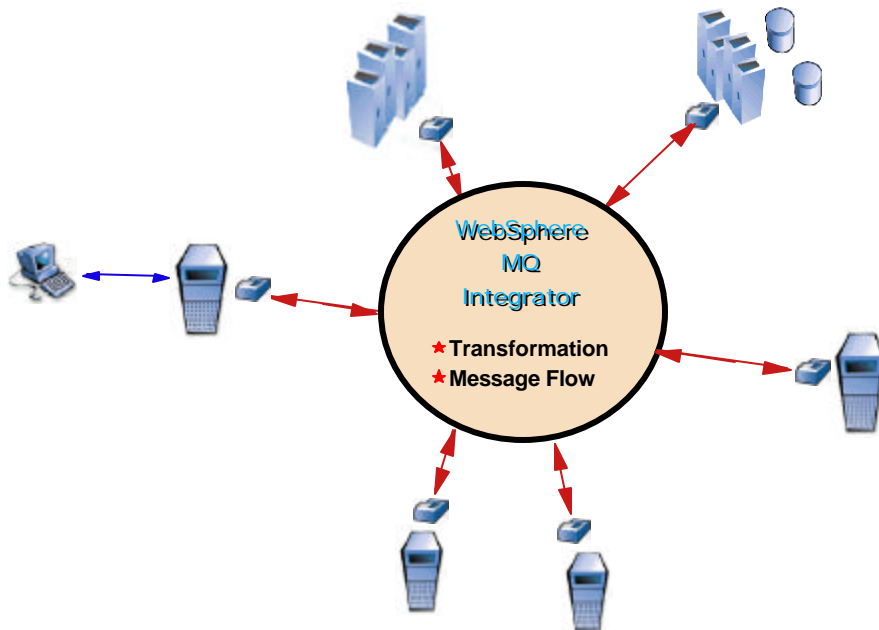


- **Message Queuing:**
 - ▶ Simplifies programming
 - ▶ Asynchronous operation
 - ▶ Assured delivery, once and only once

Available on 35 platforms,
70% market share in messaging market

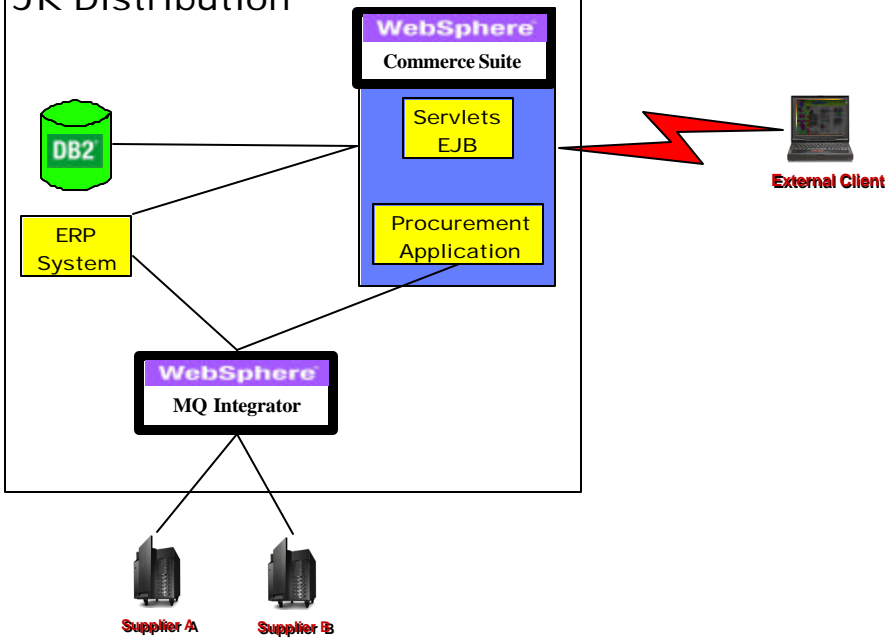


WebSphere MQ Integrator

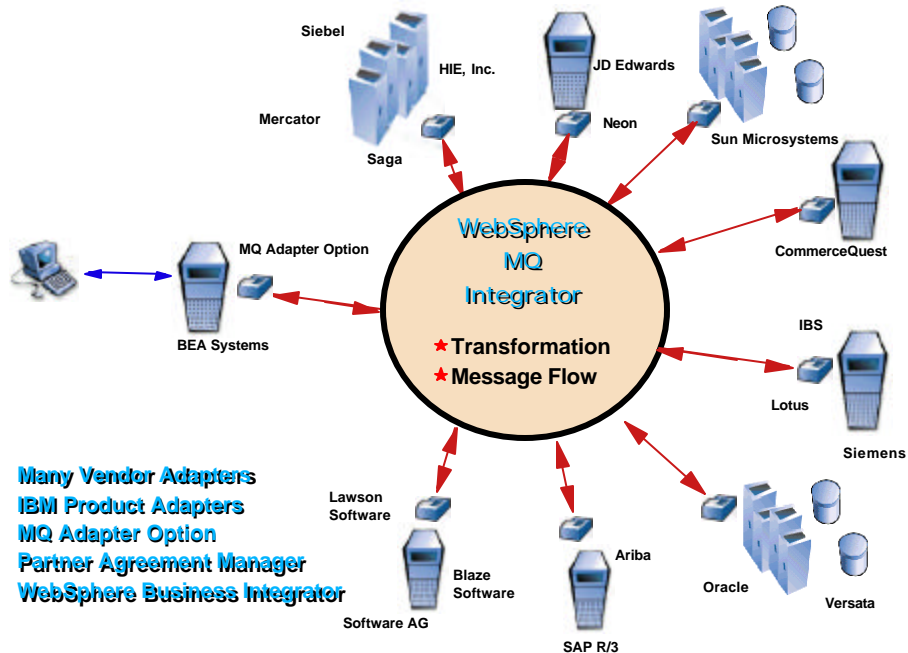


Implementation

JK Distribution

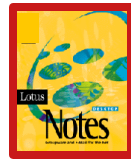


WebSphere MQ Integrator





Domino Application Server



Mobile Notes

iNotes

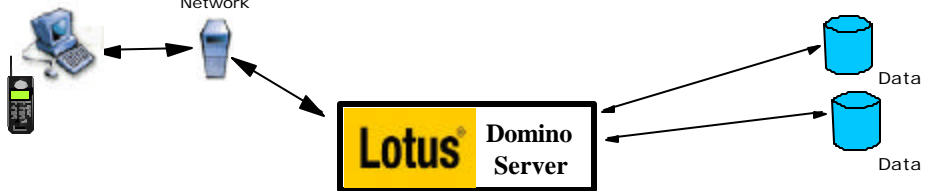
Designer

- CICS
- WebSphere MQ
- TxSeries
- SAP
- Oracle
- DB2
- RDBMS
- ...
- 3rd Party

Clients

Edge of Network

Connectors



- Routing
- Access Control
- View Indexing
- Full-Text Indexing
- Directory
- Document Container
- Messaging
- Calendar
- Directory
- Replication
- Script Engine
- Encryption



Implementation



1 Complete Form



2 Create Document

3 email & Workflow

4 Database Update

5 Read Database





Lotus[®] Products

Domino.Doc

LearningSpace

Workflow

QuickPlace

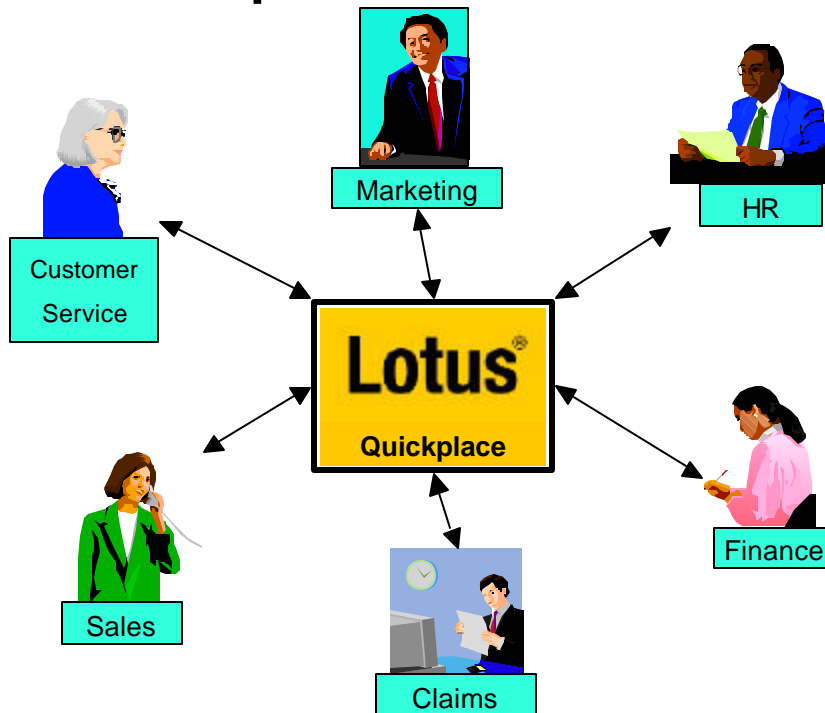
Discovery Server

Sametime

Mindspan Solutions

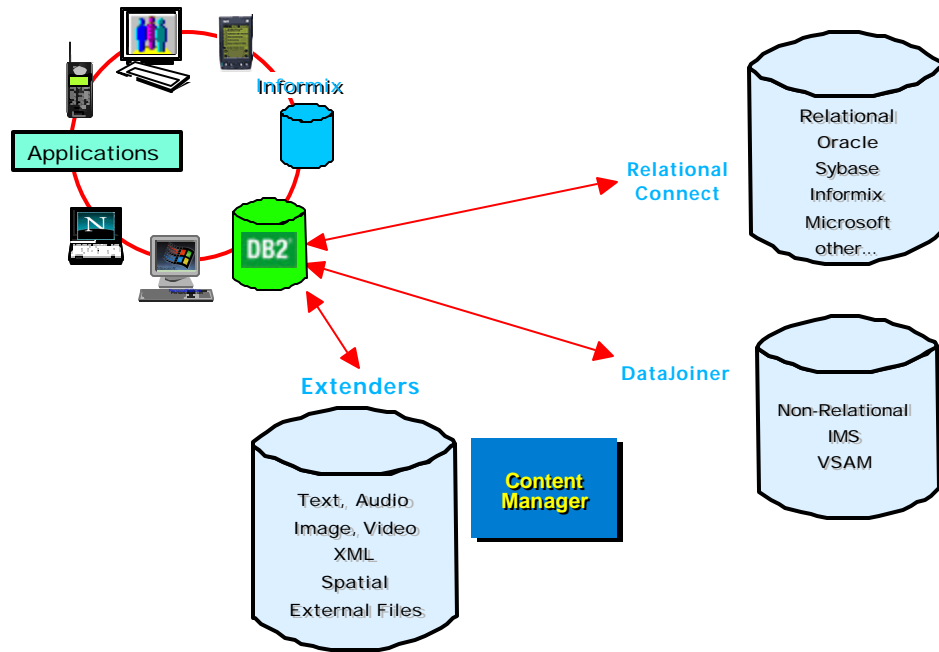


Implementation

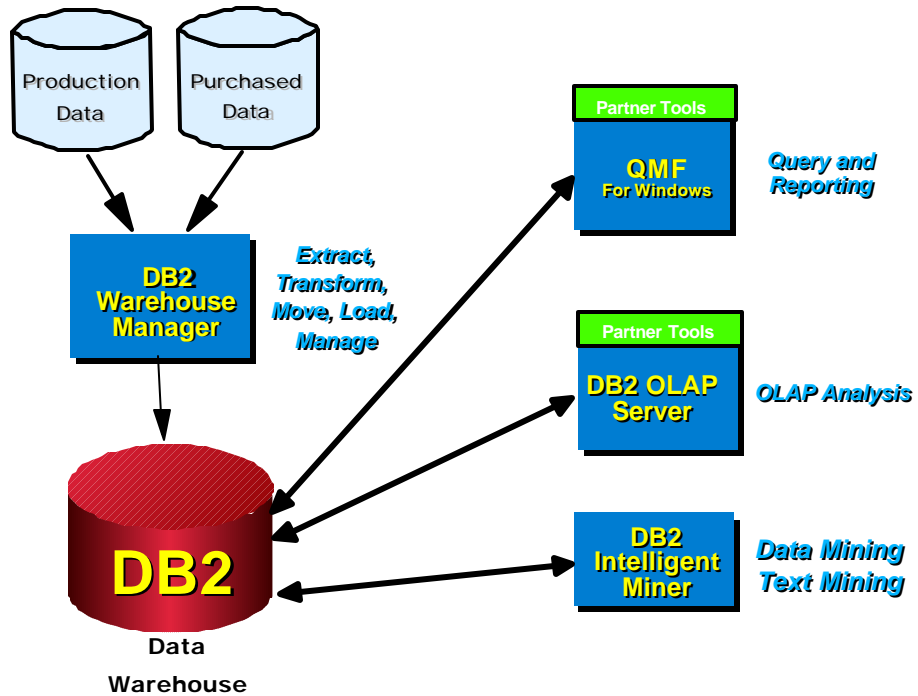




DB2[®] Universal Database



Leveraging Information



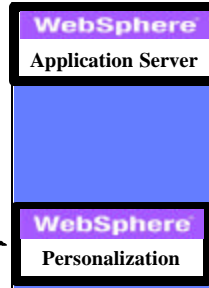


Implementation

JK Insurance



Data Warehouse

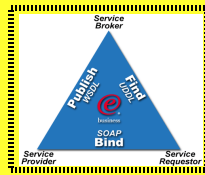


External Client



Dynamic e-business Foundation

Process Integration



WebSphere

DB2

Lotus

Tivoli

Applications and Content

WebSphere

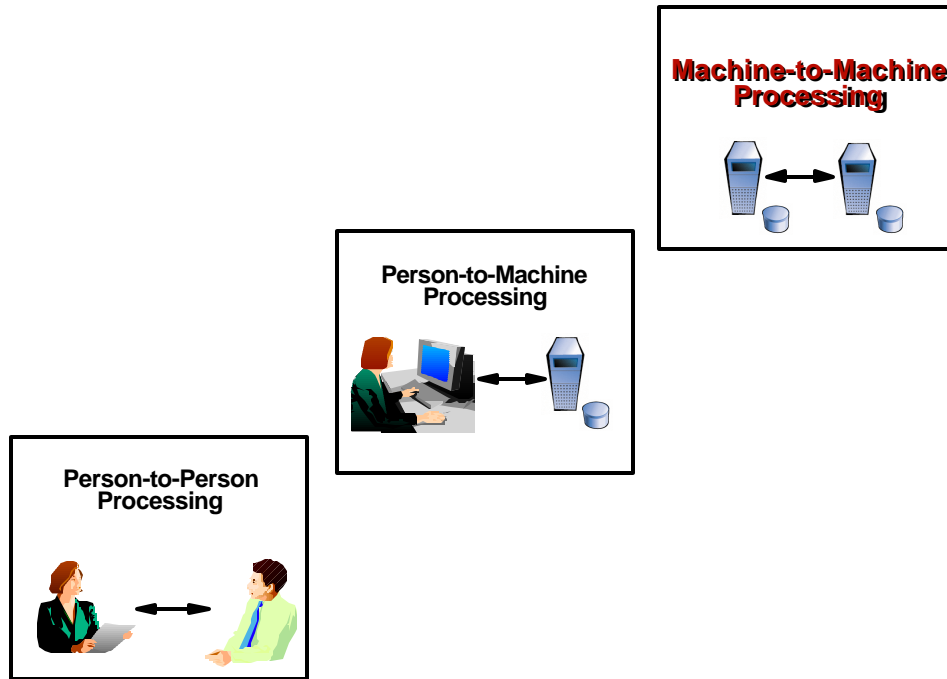
Application Server

Lotus

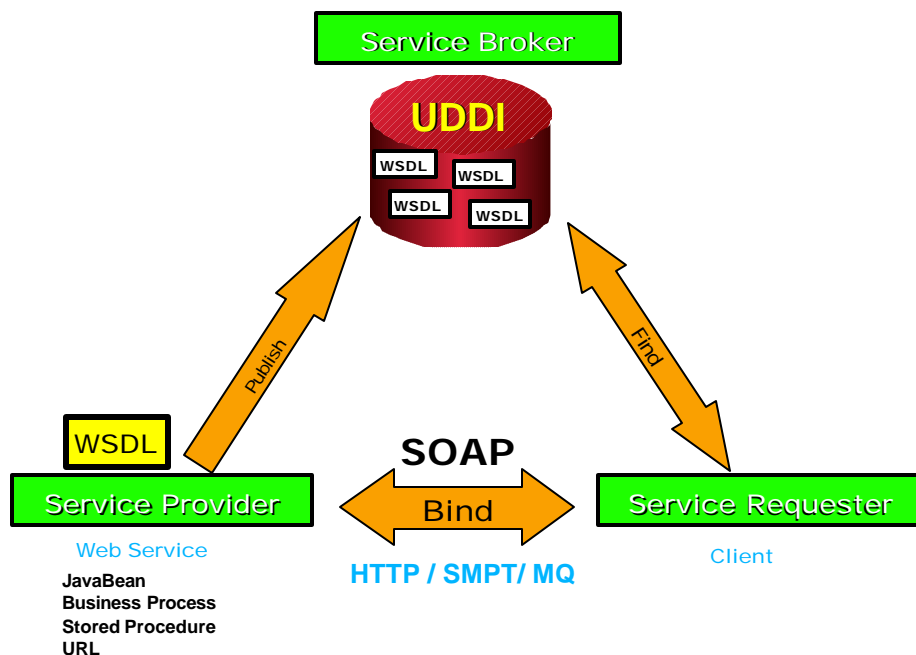
DB2



Application Model



Web Services Basics



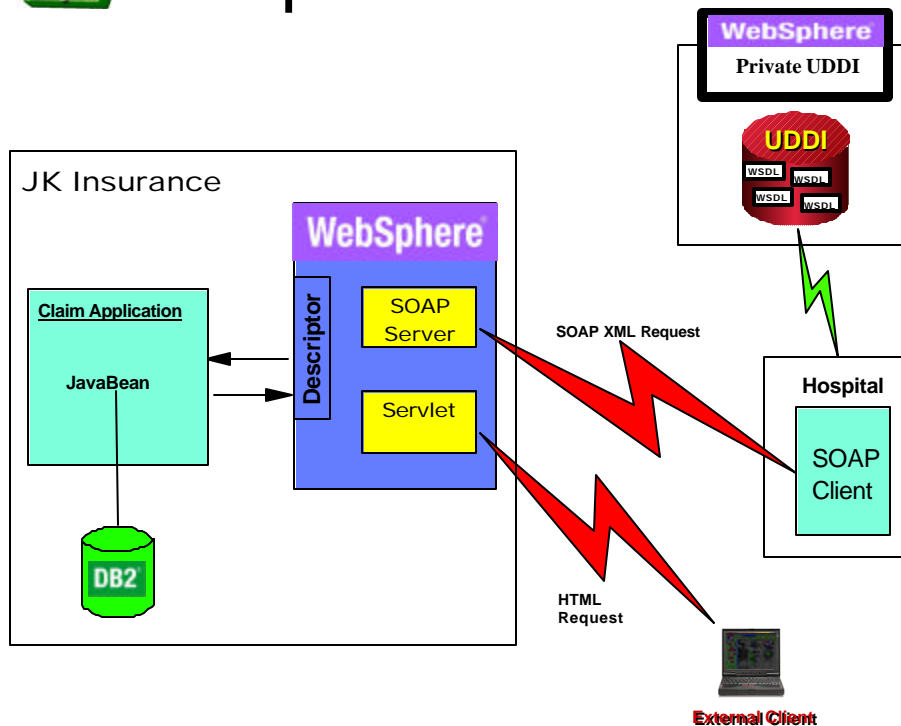


IBM Web Services

WebSphere	Application Server, Business Process Management & Development Tools	Enable Transactions and Business Processes as Web Services
DB2	Data Management	Provide a Web Services interface to data and stored procedures
Tivoli	Systems Management	Securely manage Web Services
Lotus	Messaging and Collaboration	Make collaboration, knowledge management, & eLearning capabilities available as Web Services



Implementation



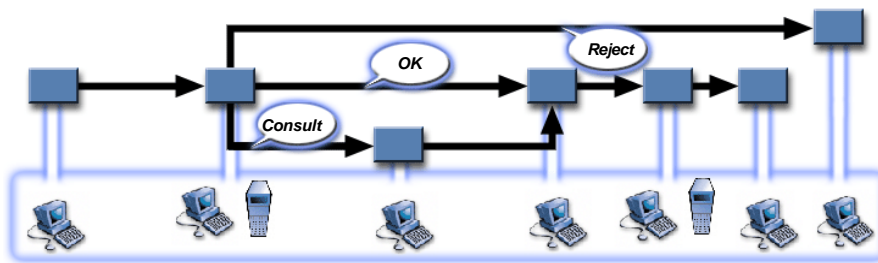


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Business Process Management



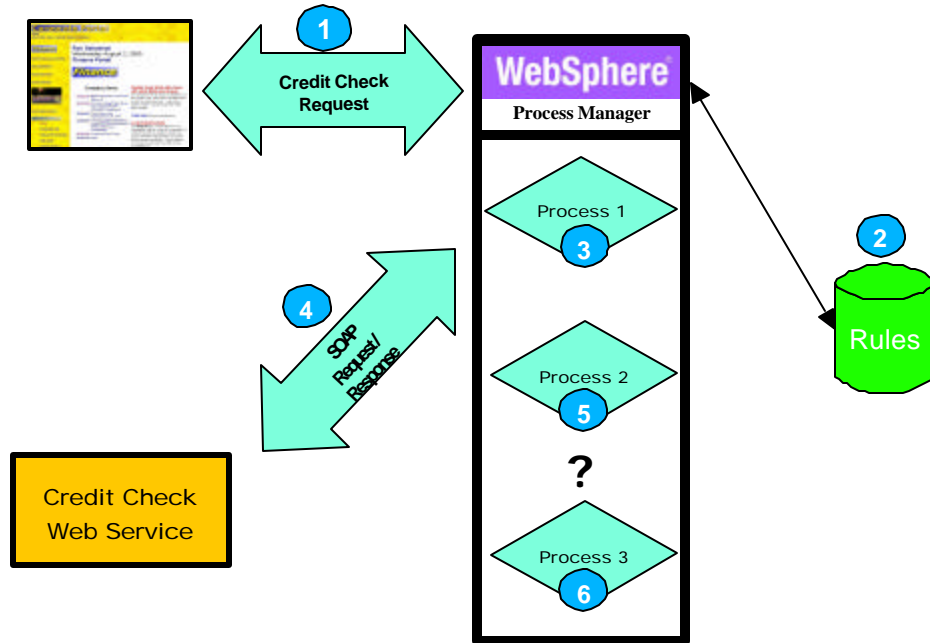
- ◆ Work flows according to process rules and roles
- ◆ Business Rules are enforced



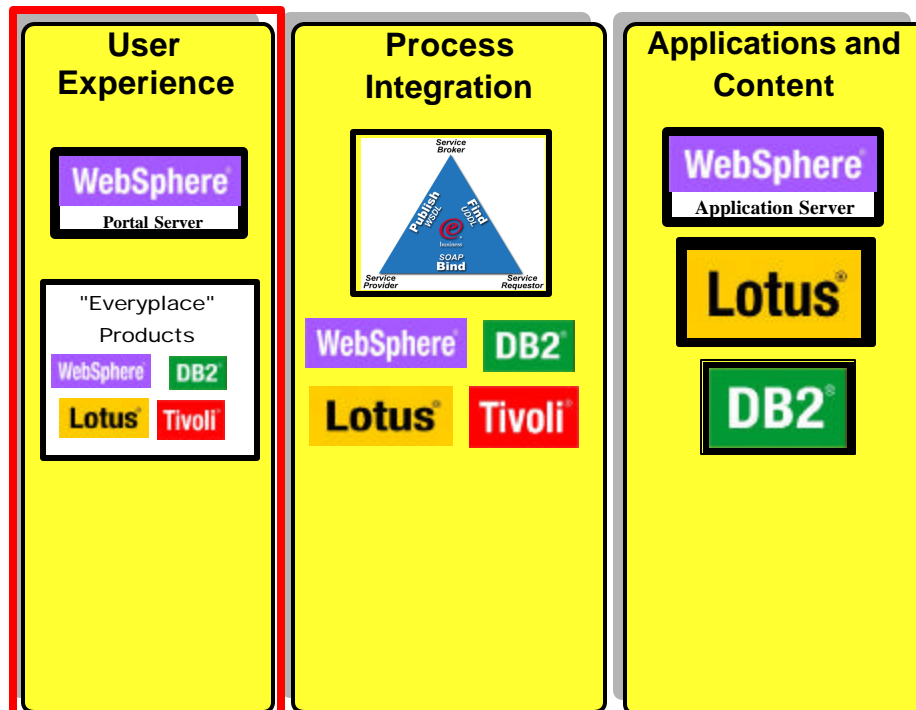
First Quarter 2002



Implementation

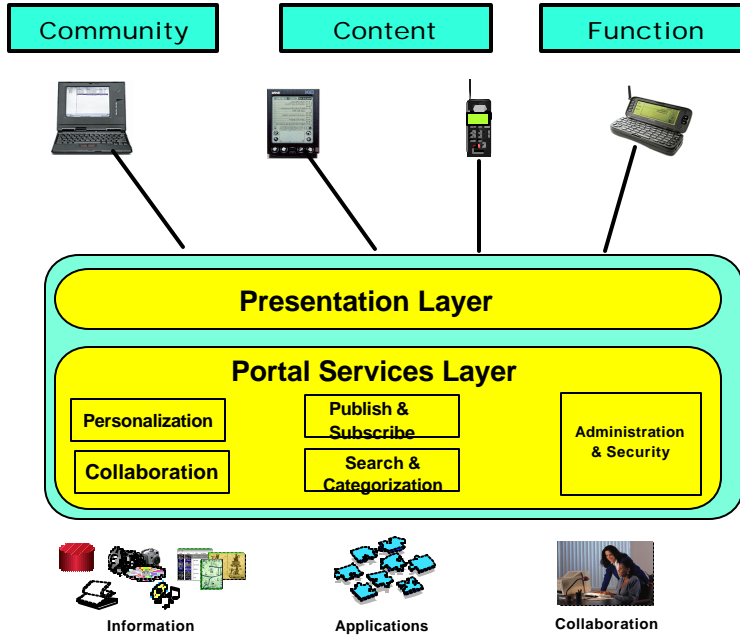


Dynamic e-business Foundation





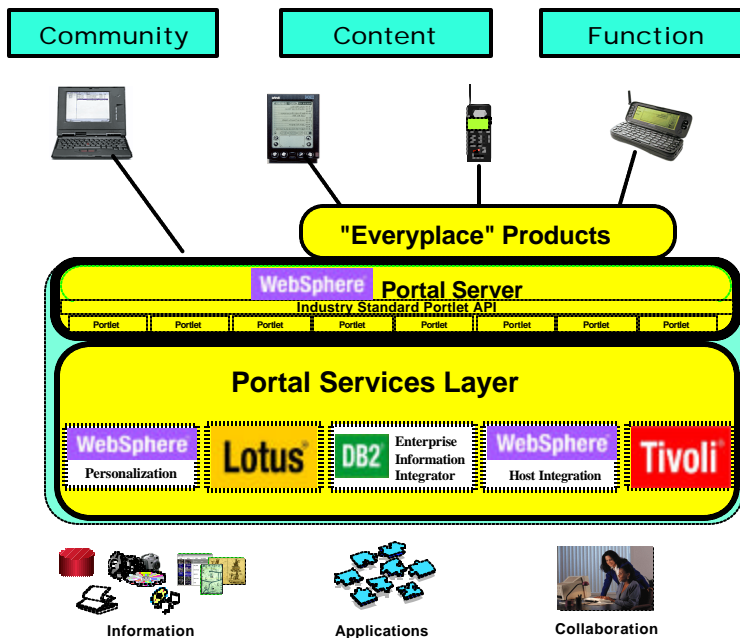
Portals



IBM



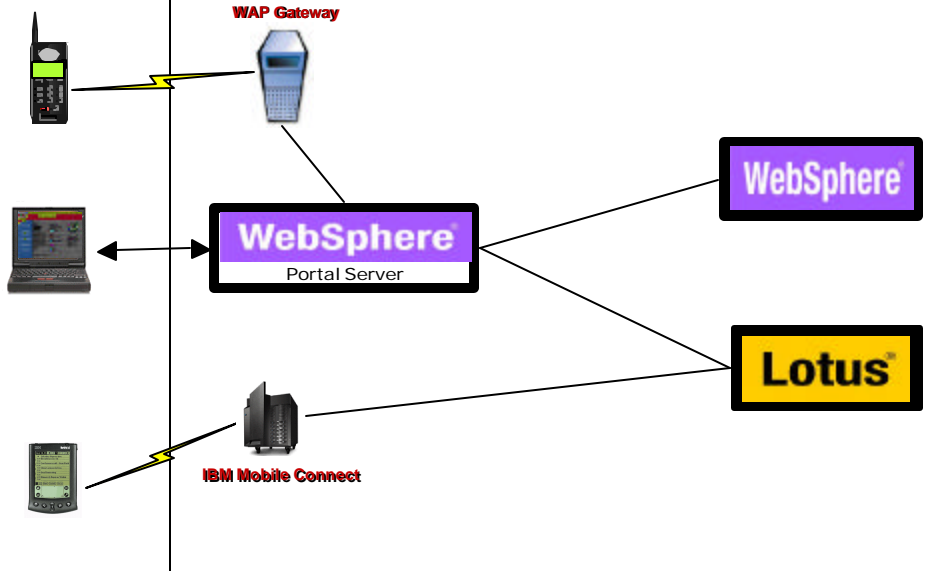
IBM Portal Products



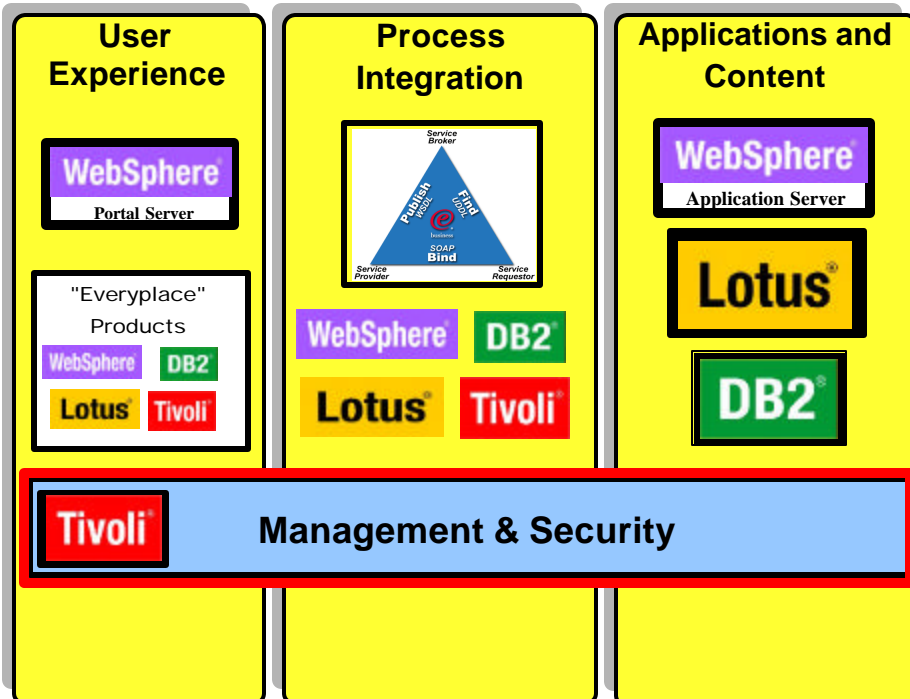
IBM

Implementation

JK Insurance

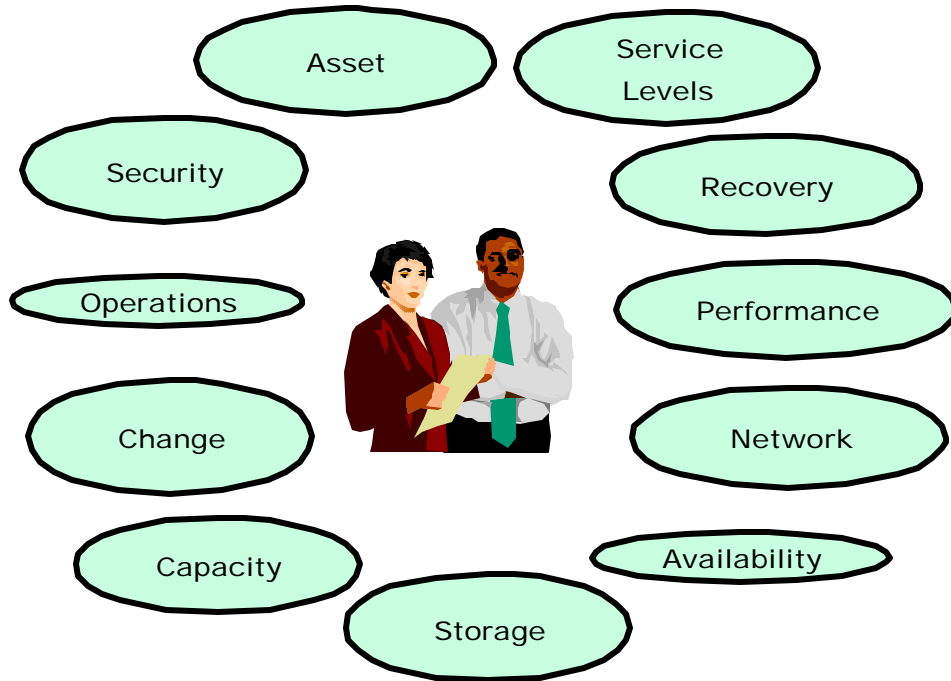


Dynamic e-business Foundation

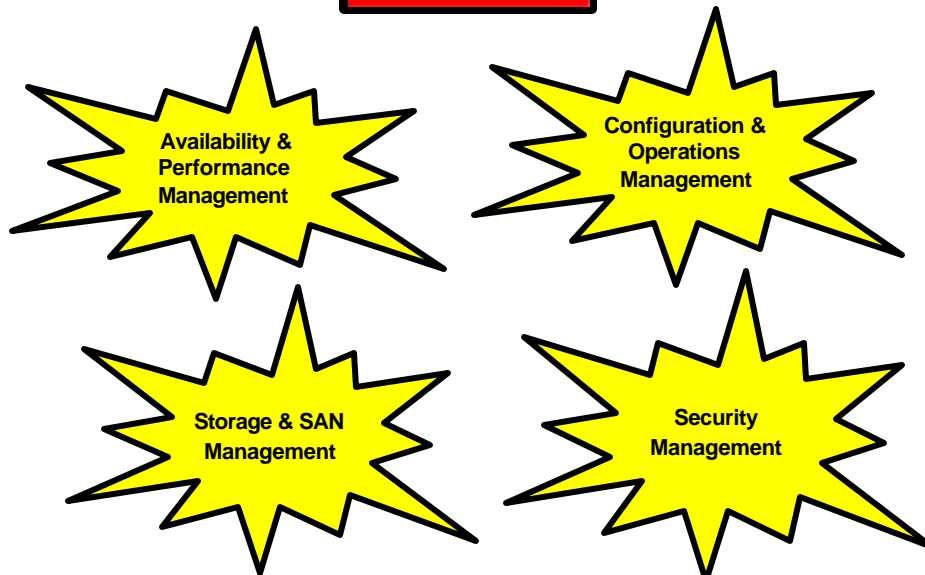




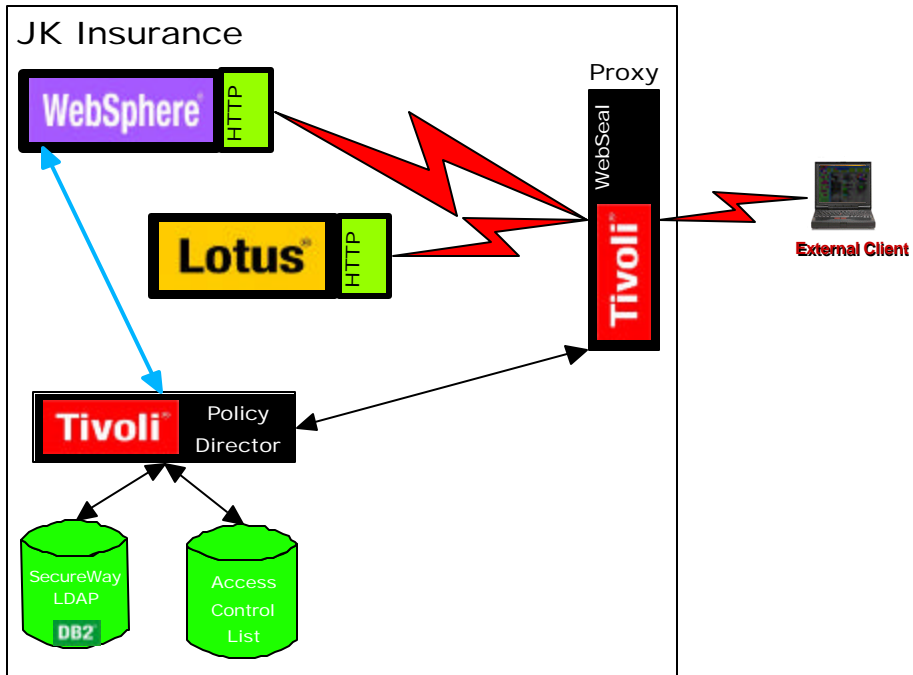
Systems Management



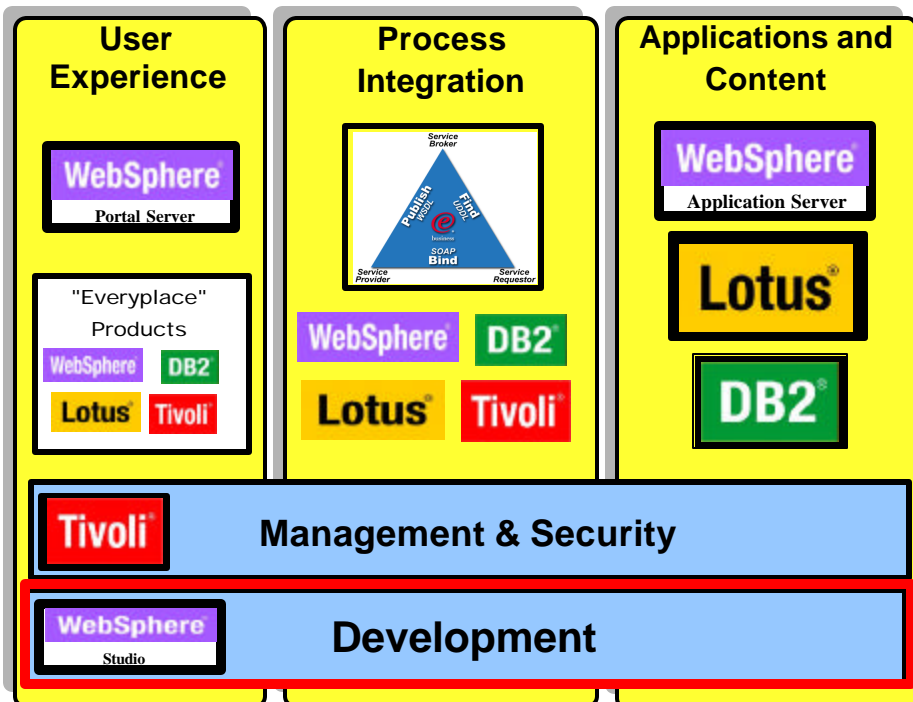
Managing an e-business



Implementation



Dynamic e-business Foundation





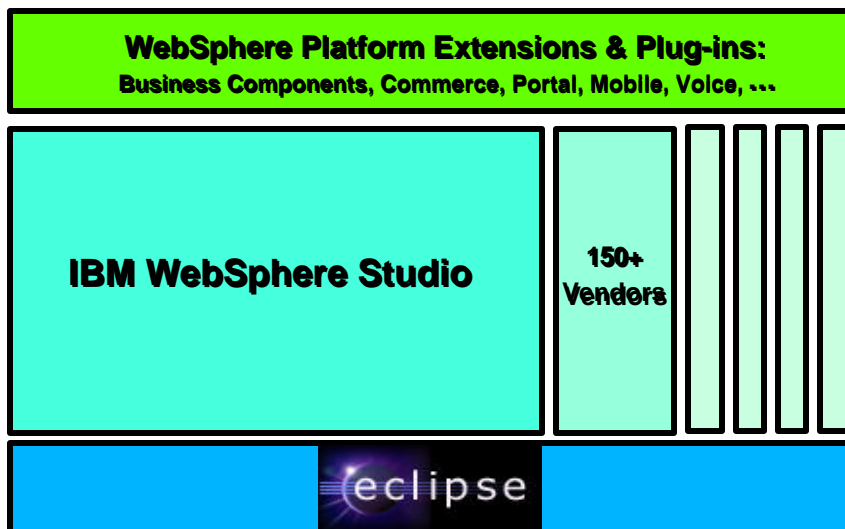
Patterns for e-business

- Repository of successfully implemented designs
- Source of information for architects and developers
- Distillation of the collected wisdom of IBM, business partners and customer IT architects
- Code samples and representative implementations

ibm.com/framework/patterns



Application Development



IBM.COM/developerworks

www.eclipse.org

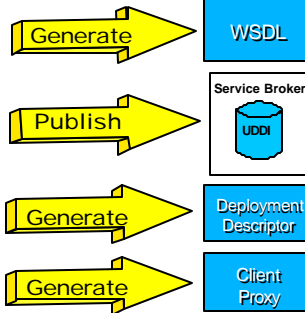




WebSphere Studio

WebSphere Studio

- Homepage Builder
- Site Developer
- Application Developer
- Enterprise Developer



User Interface

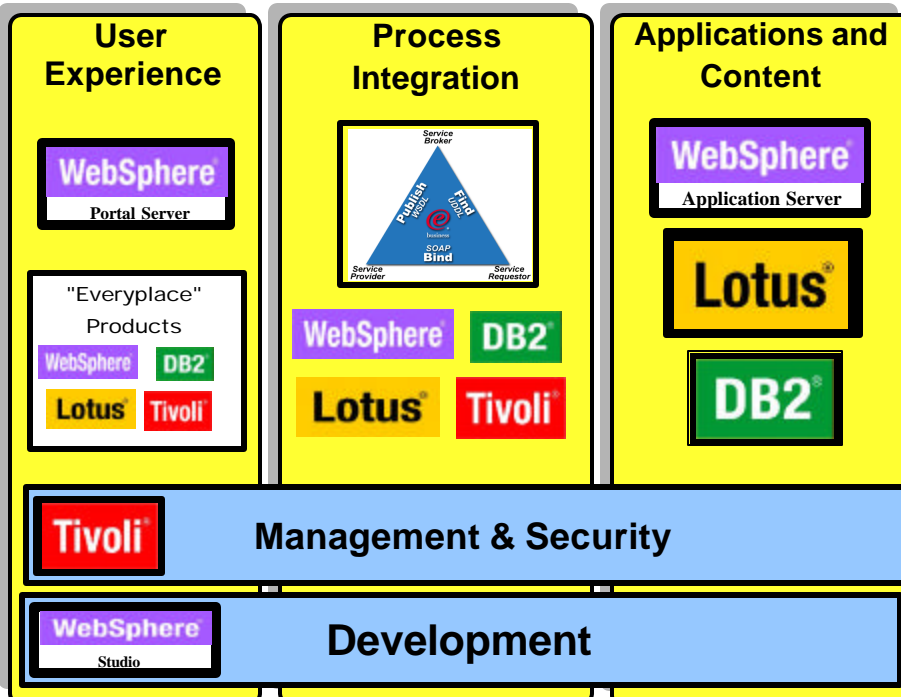
HTML
JSP
XML / XSL
UDDI
Browser

Business & Presentation Logic

JavaBeans
Servlets
JSP
J2EE EJB
Portlets
Stored Procedures



Dynamic e-business Foundation





Choices













➔ Architecture / Infrastructure

➔ Software    

➔ Hardware

➔ Services and Applications



Special Function Servers		
iSeries for Domino 	 	 
Enterprise Data Server a.k.a. "Shark" 	 	
Ultrium Tape Storage 	 	





Business Partners

- Solution developers
- Web integrators
- Systems integrators
- ISPs / ASPs / NSPs

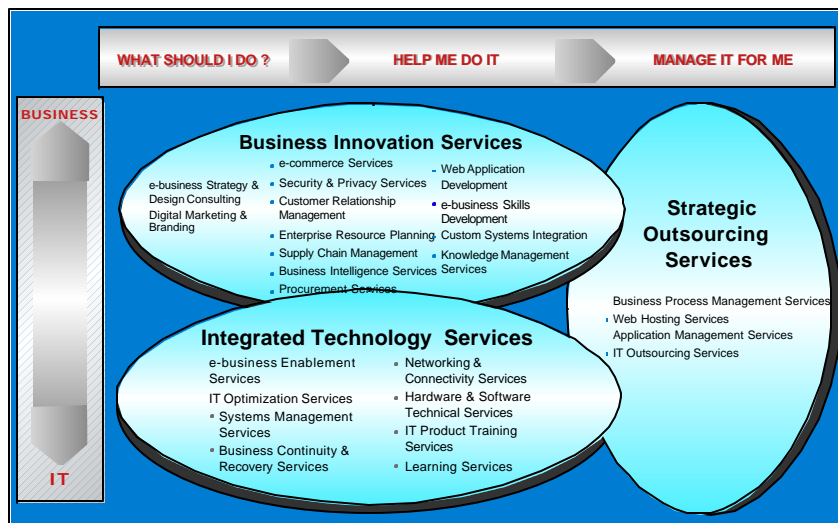


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IBM Global Services





IBM Software Infrastructure Blueprint

Principles



Standards Base
Open interfaces
Open programming model

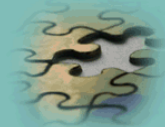


Practices

IBM Patterns for @business



High Volume Web Sites
Best Practices



Web Business Components

Products

WebSphere

Lotus

Tivoli

DB2

@server

Partners

