

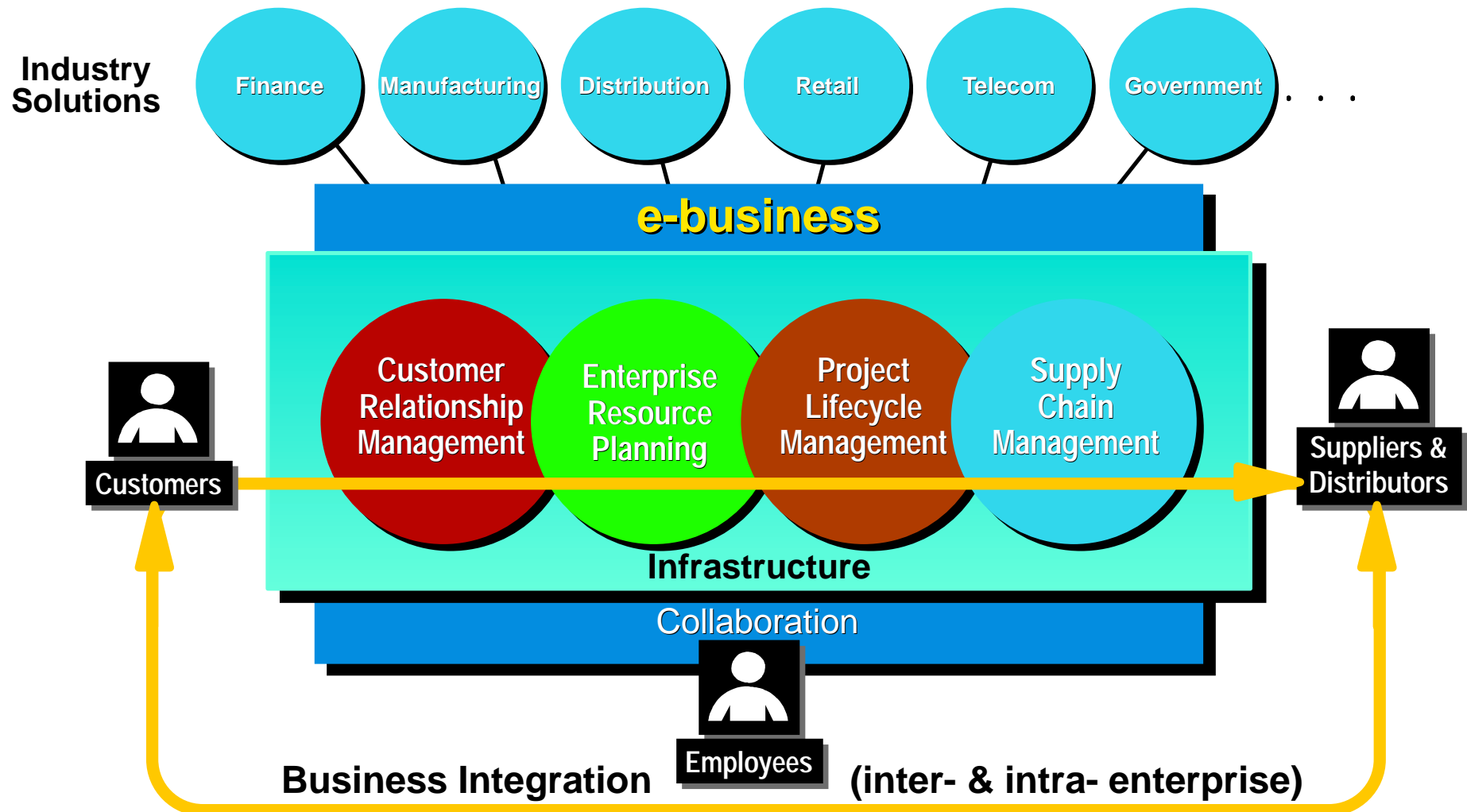
iSeries Update

iSeries as a Web Platform

IBM @server iSeries

e-business Vision

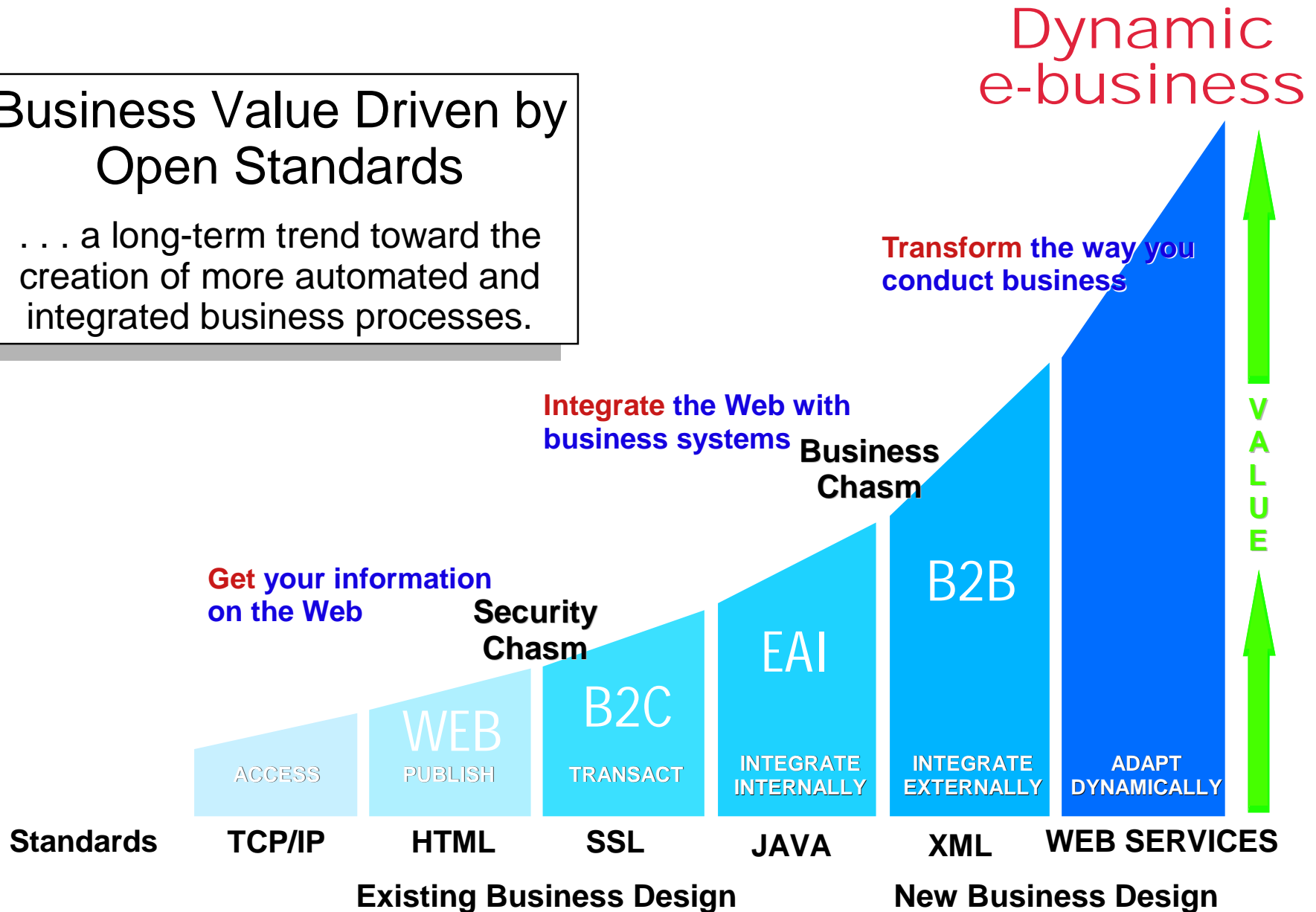
- Fully Optimized
- Integrated from Demand to Delivery



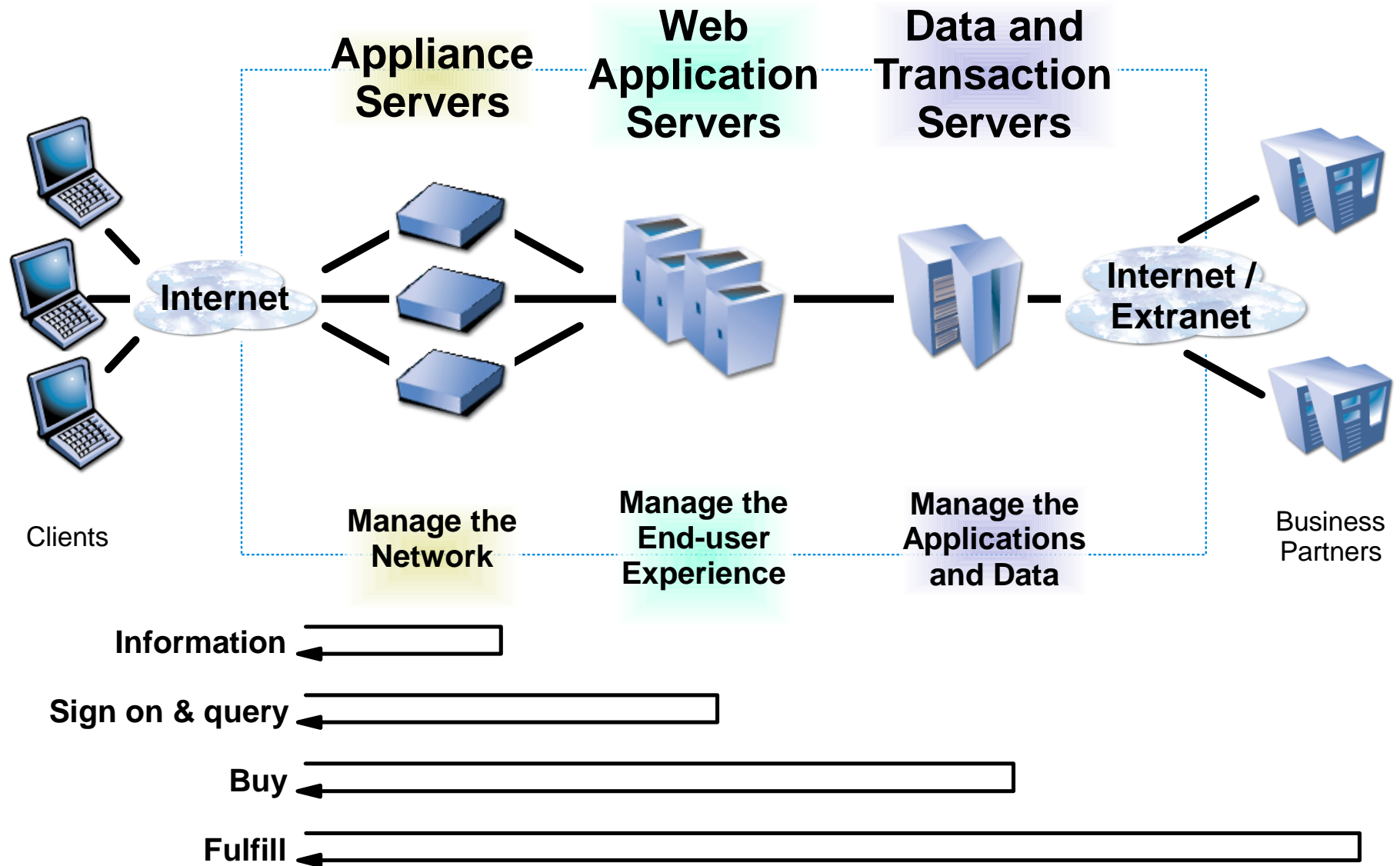
Evolution of e-Business

Business Value Driven by Open Standards

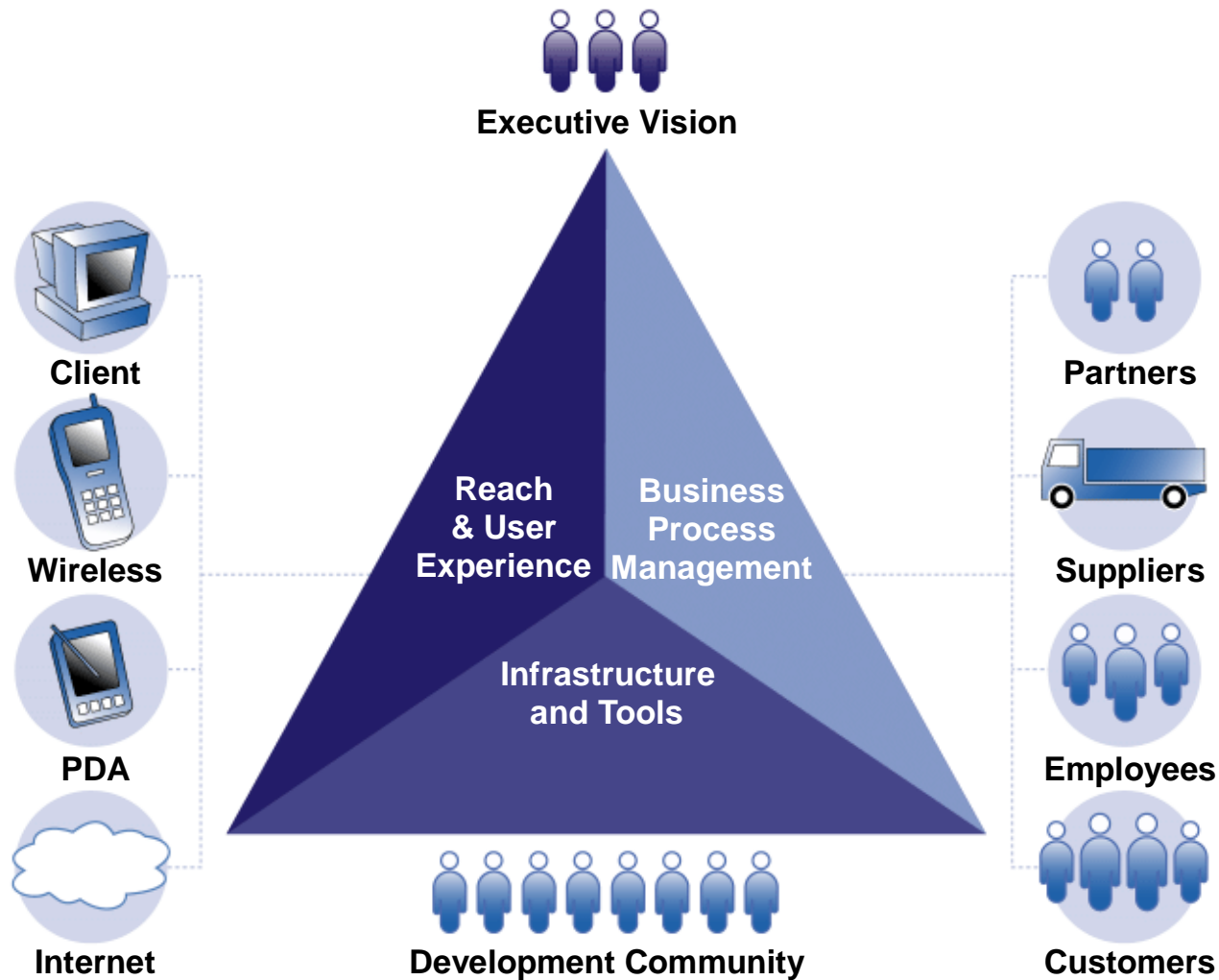
... a long-term trend toward the creation of more automated and integrated business processes.



e-business Infrastructure

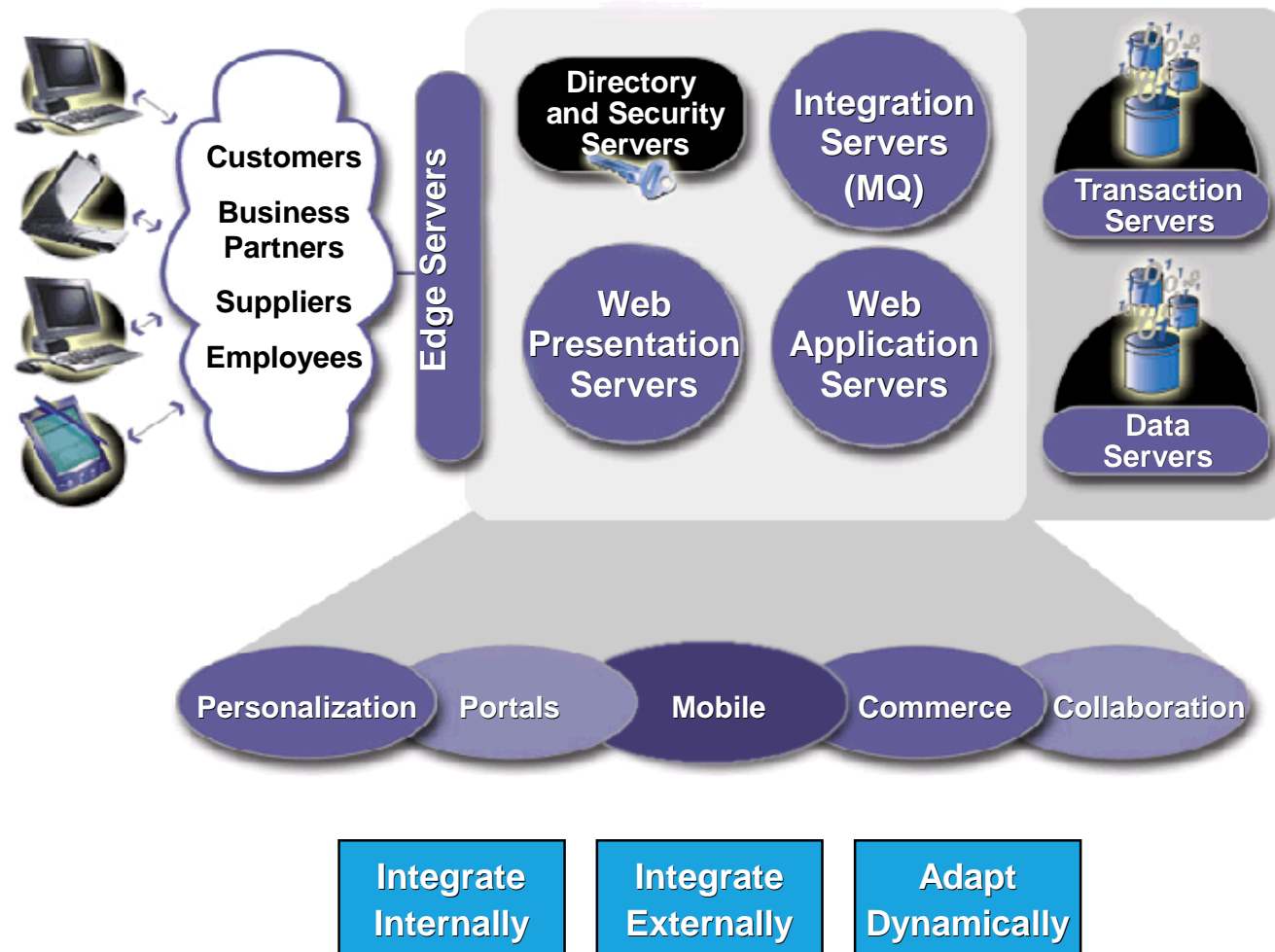


WebSphere Addresses the Complete e-business

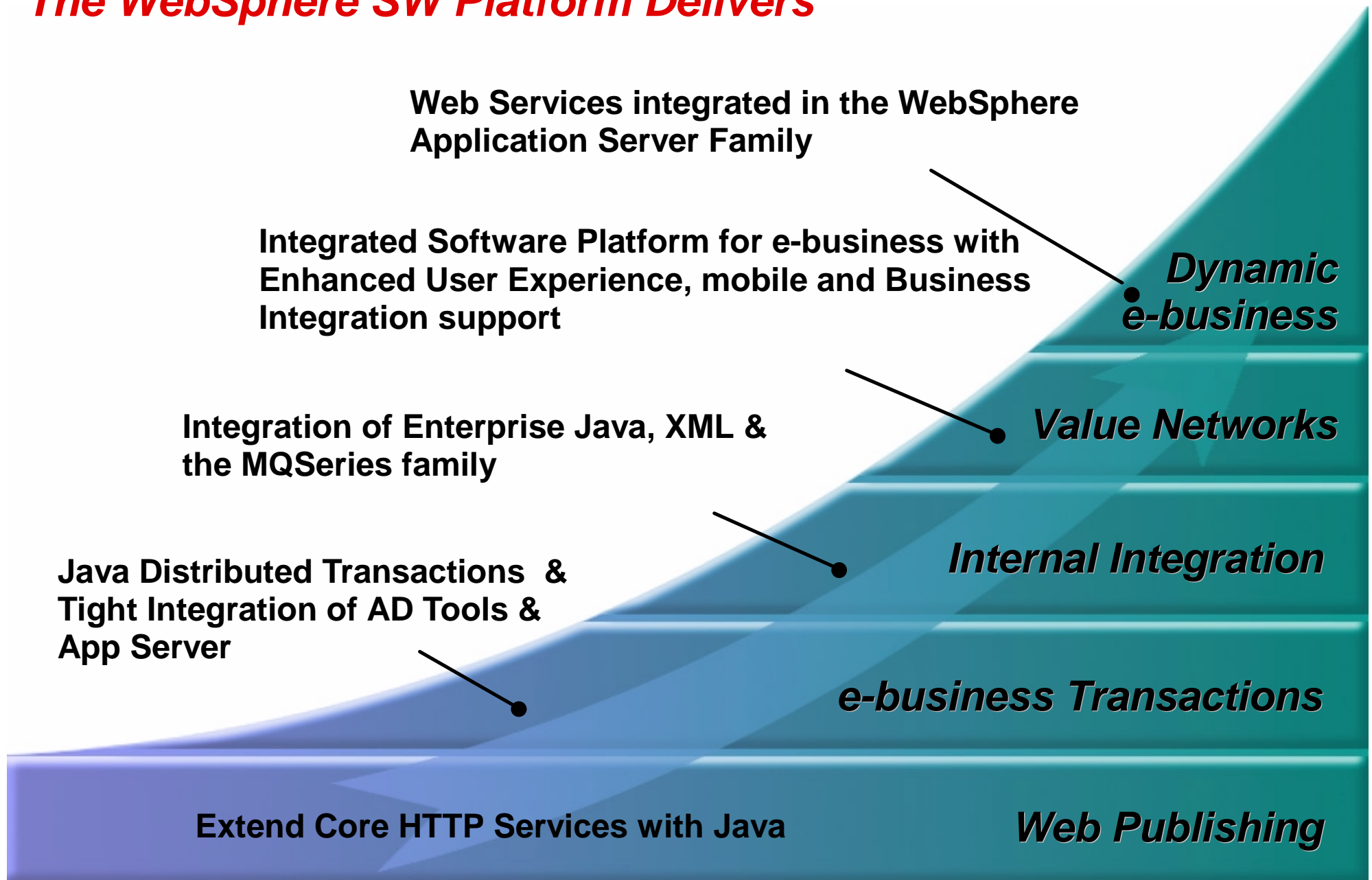


e-business Adoption

... to a full, open, standards-based e-business Infrastructure



The WebSphere SW Platform Delivers



What Are Web Services...

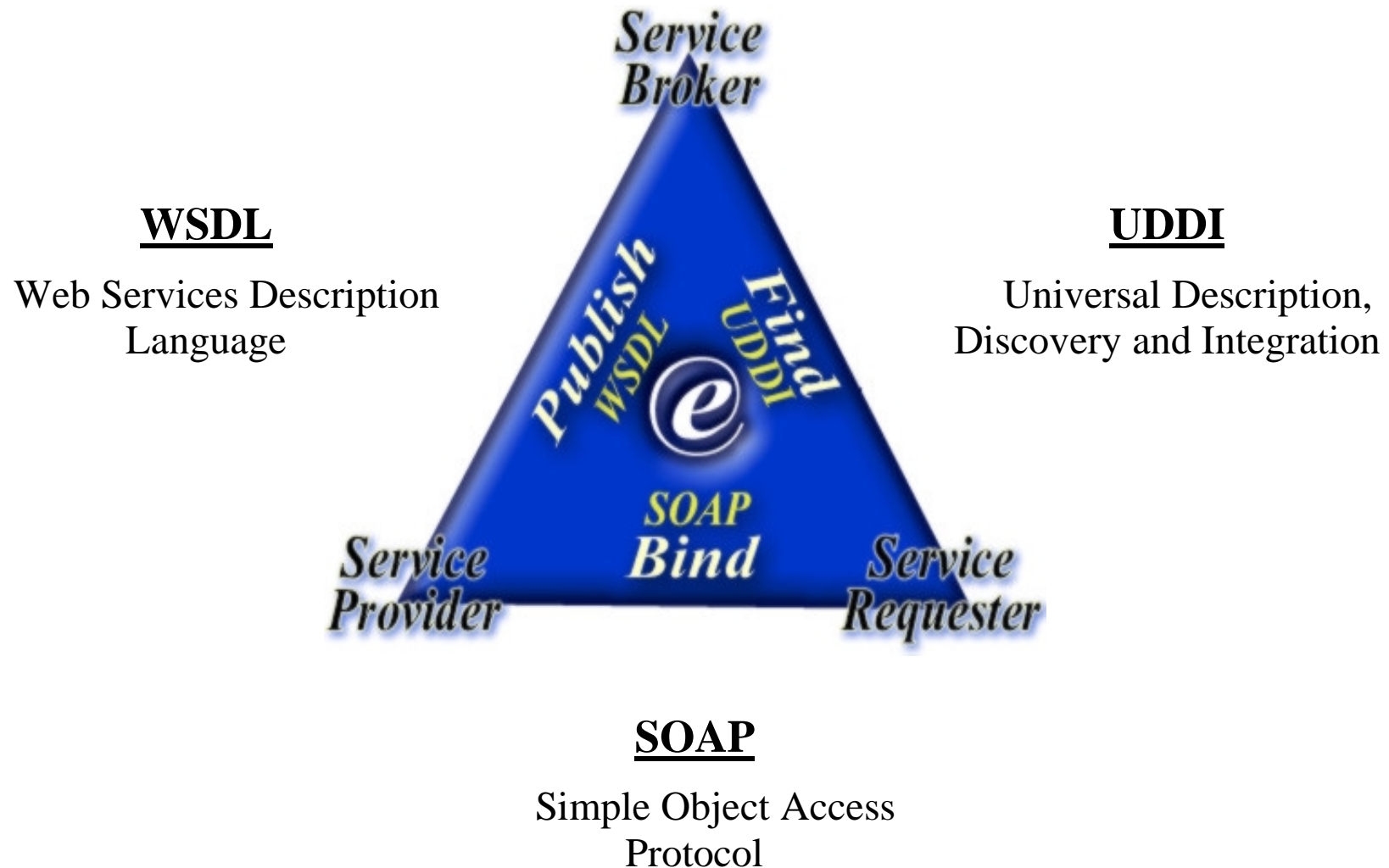
and what is their value?



**Applications which interact with each other
using Web standards**

- Connect applications to applications in other businesses quickly and easily
- Establish interaction with marketplaces more efficiently
- Deliver business functions to a broader set of customers and partners
- Pursue new business models by combining applications in new dynamic ways

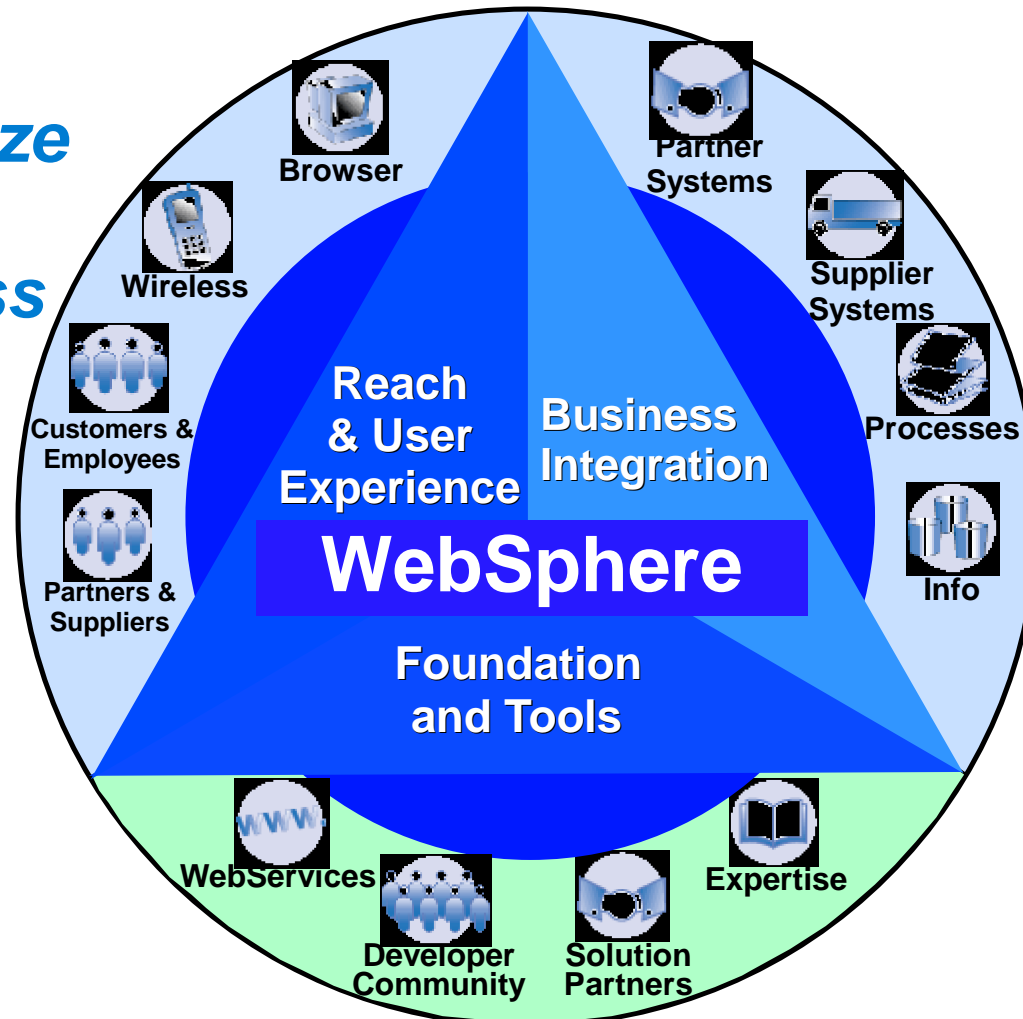
Web Services Standards



WebSphere

a complete infrastructure for dynamic e-business

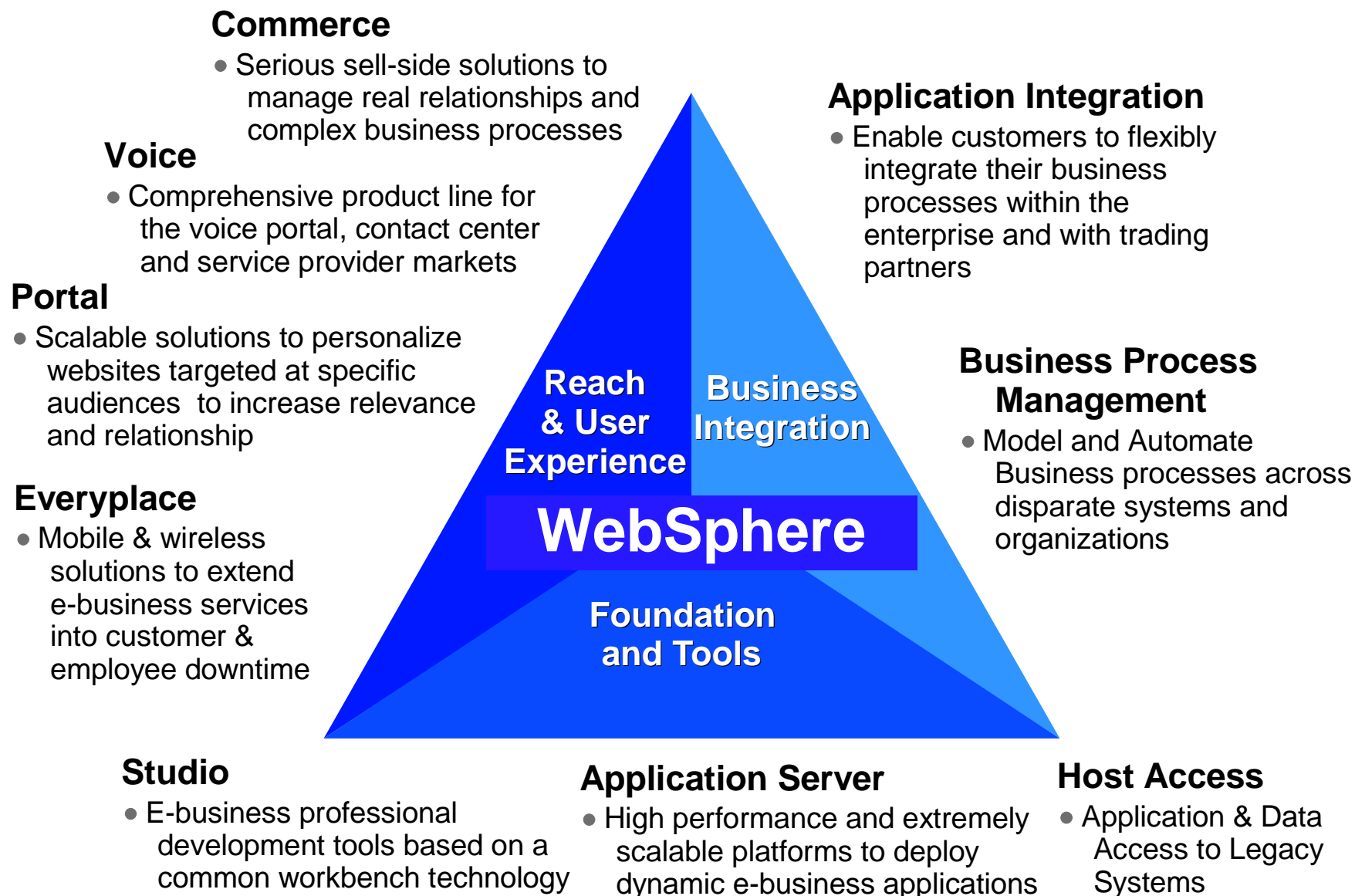
**Extend &
Personalize
your
e-business**



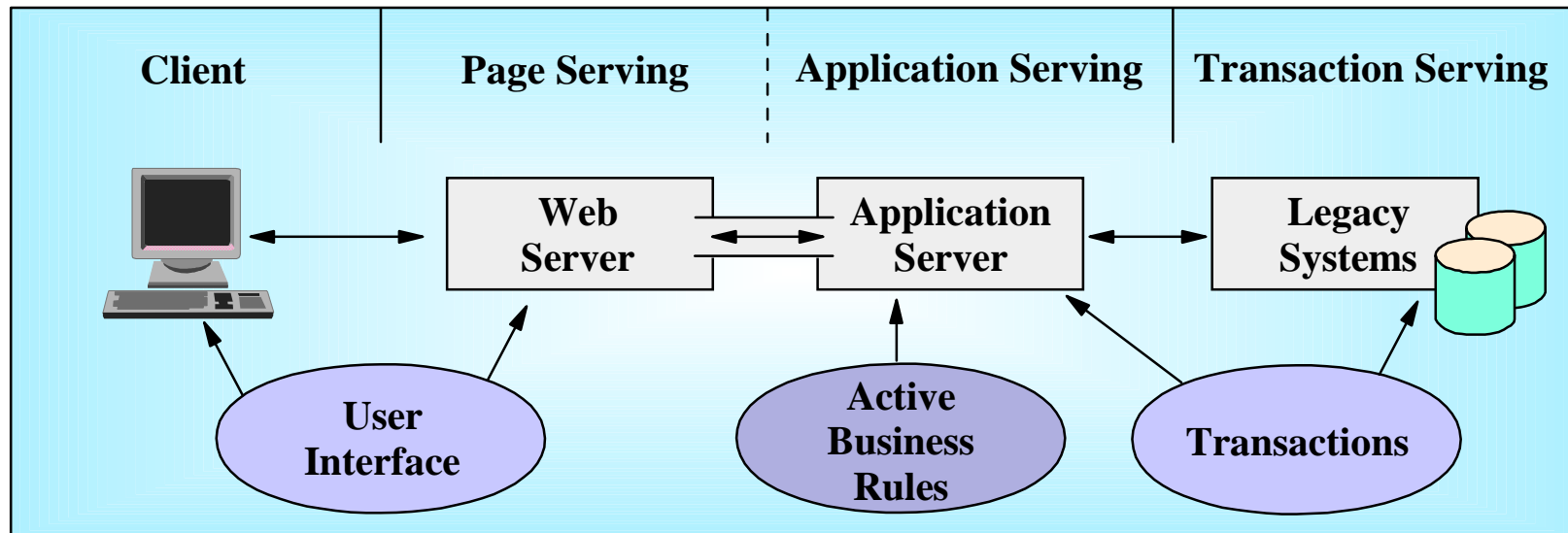
**Integrate &
Automate
your
e-business**

Build, Deploy, & Grow your e-business

WebSphere portfolio



What is an Application Server?



Foundation software for creating Web applications which...

- Manage browser and Java based client sessions
- Provide server-side business logic
- Leverage server resources for data and transaction processing

Why Application Servers?

- Simplify development and deployment of e-business applications
- Support connections to existing data and applications
- Provide a complete set of visual development tools
- Deliver application deployment and management tools

Application Servers



Jakarta Tomcat

- Apache Software Foundation
- Basic, no cost web application server

WebSphere software

WebSphere Application Server

- Robust, scalable web application server
- EJB support, J2EE compliant
- Enterprise-scale transaction processing

Lotus software

Lotus Domino on iSeries

- Application development
- Dynamic HTML converter
- Document management
- E-mail & Collaboration
- Workflow
- Disconnected, mobile users

Jakarta Tomcat

Getting started with Servlets and JSPs



HTTP Server (powered by Apache)

Apache Software Foundation's Jakarta Tomcat project

- Basic, no-cost web application server (*now at version 3.2.4*)
- Industry standard Java Servlet and JavaServer Pages
- Available to V4R5 and V5R1 via group PTFs

ibm.com/servers/eserver/iserries/software/http/services/tomcat.html



WebSphere Application Server Version 3.5 for iSeries

ibm.com/eserver/series/websphere

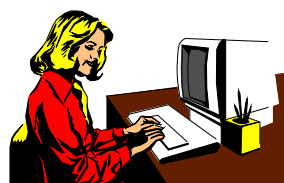
Standard Edition no charge with HTTP Server for OS/400

Advanced Edition (EJB support)

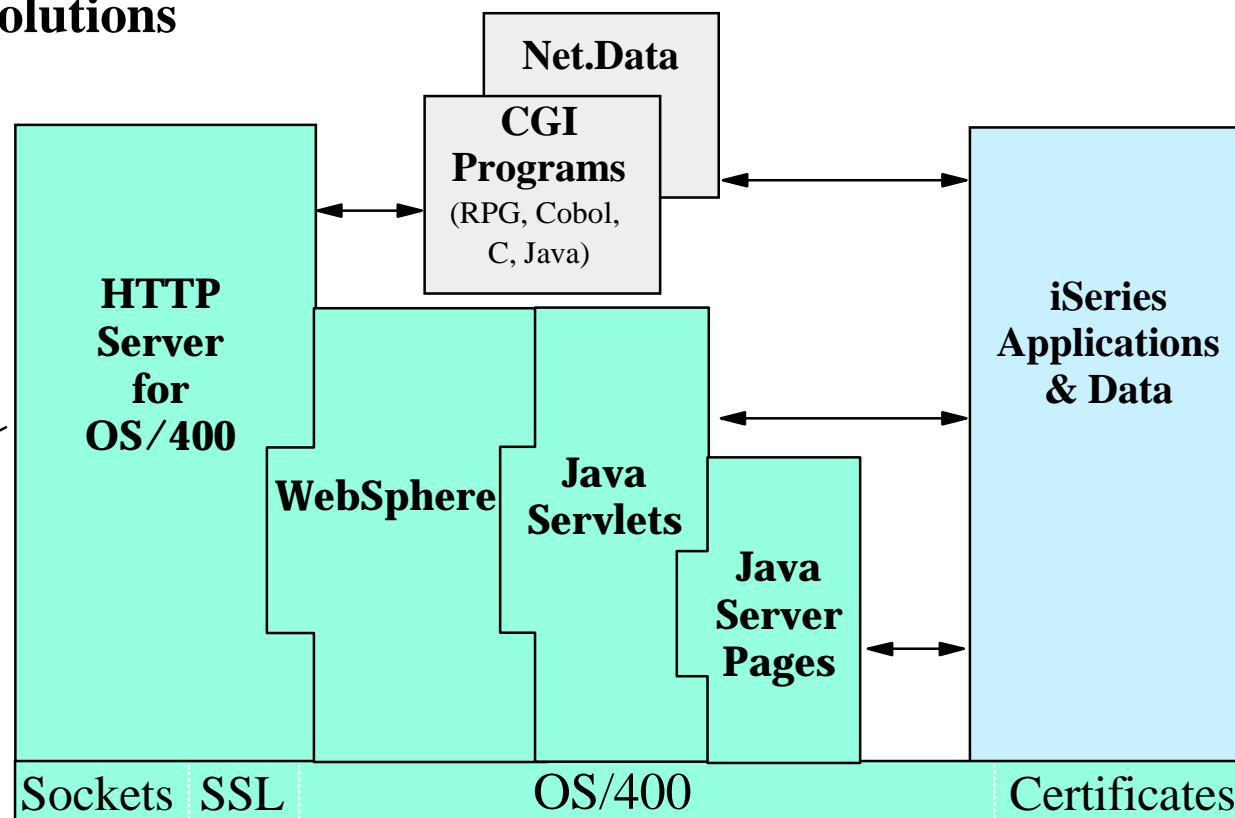
Exploiting the integrated Java Virtual Machine

Leveraging Java-based solutions

- LDAP Directory usage
- XML parser



Web Browser



WebSphere Application Server Version 4.0 for iSeries

IBM's Strategic Web Application Server

Technical Highlights

- J2EE Certified
- Web Services (e.g. SOAP)
- Improved Manageability
- Increased Performance
- EJB Extensions



WebSphere Application Server 4.0

- Single Server Edition
 - For standalone department or SMB
- Advanced Edition
 - Supports Single Server Edition functions
 - Plus multi-server capabilities such as clustering, administration, distributed security, workload management, and much more

Now Available!

Mission-Critical Web Application Serving for iSeries

WebSphere Development Studio for iSeries

Host Components

- ILE RPG (RPG IV)
- ILE COBOL
- ILE C
- ILE C++
- Application Development Toolset

Workstation Components

- VisualAge for Java for OS/400
 - Including Enterprise Toolkit for OS/400
 - ibm.com/eserver/series/java
- VisualAge RPG
- CODE/400
- WebSphere Studio
- WebFacing Tool - Convert 5250 applications to graphical web interface



Reduce the cost and complexity of e-business

IBM @server iSeries
Powered by WebSphere

WebSphere software



Java Compatible™
Enterprise Edition



Model 270 (uni or 2-way)

Software preloaded

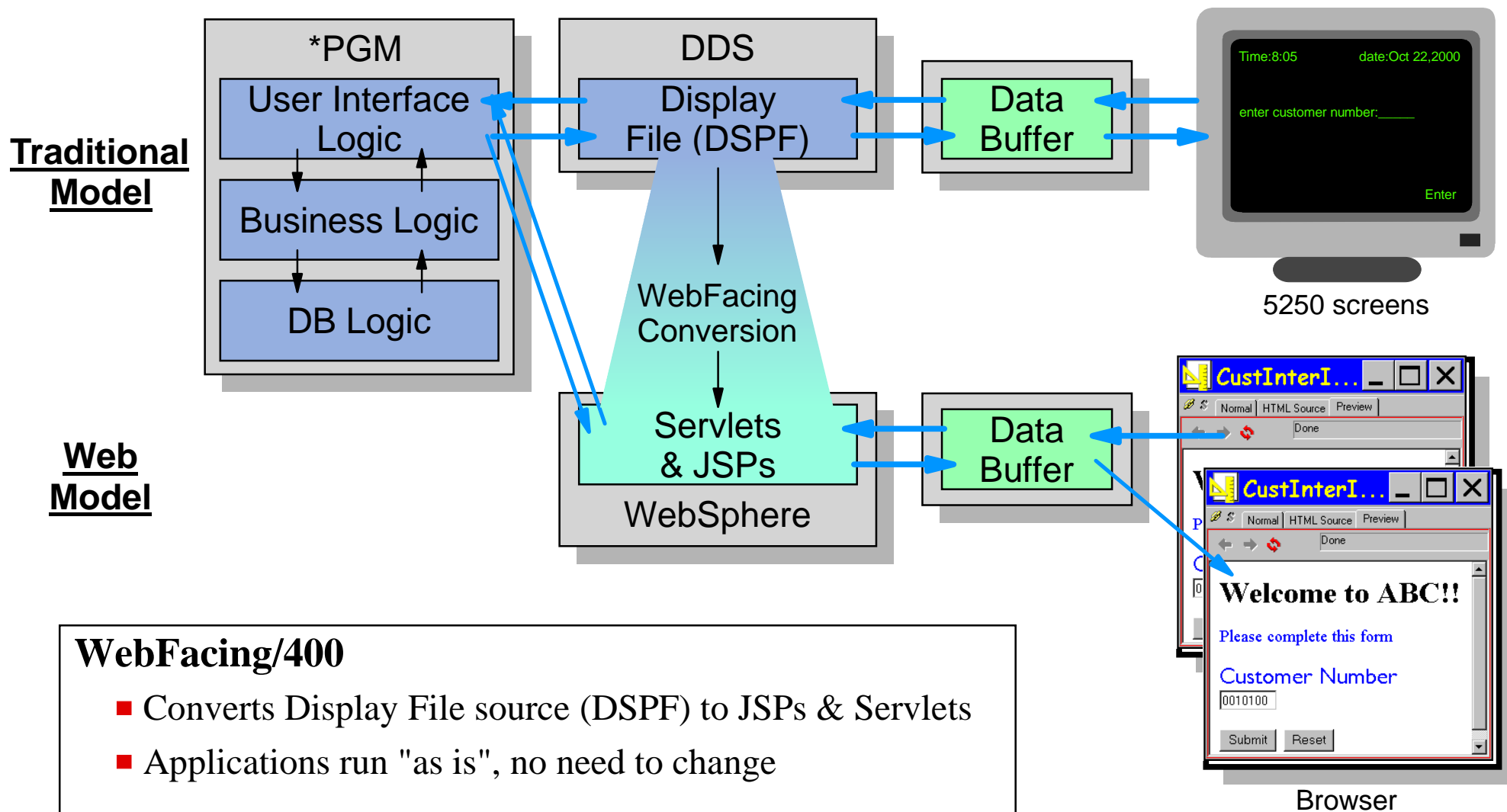
- WebSphere Application Server V4
- WebSphere Development Studio for iSeries

Installation wizard

Optional Services

- Installation and setup
- Consulting
- Application design / prototype

WebFacing Tool



WebFacing/400

- Converts Display File source (DSPF) to JSPs & Servlets
- Applications run "as is", no need to change

Quickly web-enable many applications

iSeries Access for Web

Client Access family update

Browser access to iSeries servers / resources

- iSeries resources
- 5250 applications
- No-touch-to-the-desktop deployment

Includes WebSphere Host Publisher 3.5

- Web-enable existing applications
 - Host integration via 5250
 - Data integration via SQL
- Aggregate applications into a single Web page
- No change to backend applications

IBM  **iSeries Access for Web**

showcase

iSeries Access for Web

Welcome to iSeries Access for Web, the lightweight, browser-based access to your iSeries server.

Pure Java servlet based access

iSeries Access for Web is a set of servlets that run on iSeries servers as extensions to the HTTP server. The servlets provide access to databases, files, print queues, printer output, and messages contained on the iSeries server.

Industry standard protocol

iSeries Access for Web uses the industry standard HTTP and HTTPS protocols instead of proprietary TCP/IP ports and protocols. Firewall issues are much more manageable as a result.

Lightweight access

iSeries Access for Web provides lightweight, and convenient access to iSeries servers from any web browser. Most of the iSeries Access for Web functions have minimal browser requirements and work with almost any browser on any platform.

My Home Page

Print

Messages

5250

Database

Files

Command

Customize

Other

Related Links:

[iSeries Access for Web](#)

[Client Access](#)

[Operations Navigator](#)

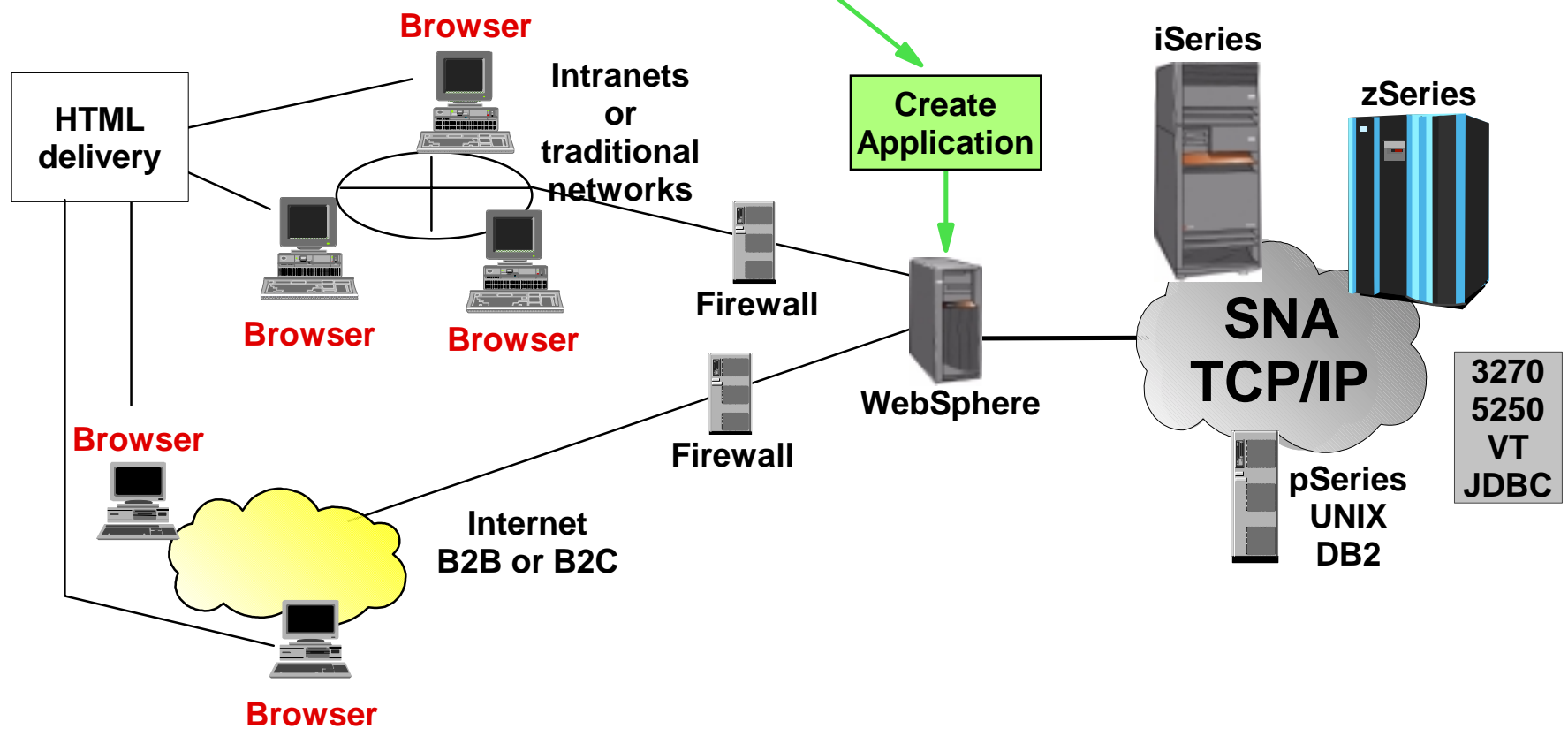
[WebSphere Host Publisher](#)

[iSeries Information](#)

WebSphere Host Publisher

Packaged with Client Access Express

Host Integration Objects (5250, 3270, VT)
Data Integration Objects (SQL)
Aggregate data from multiple sources

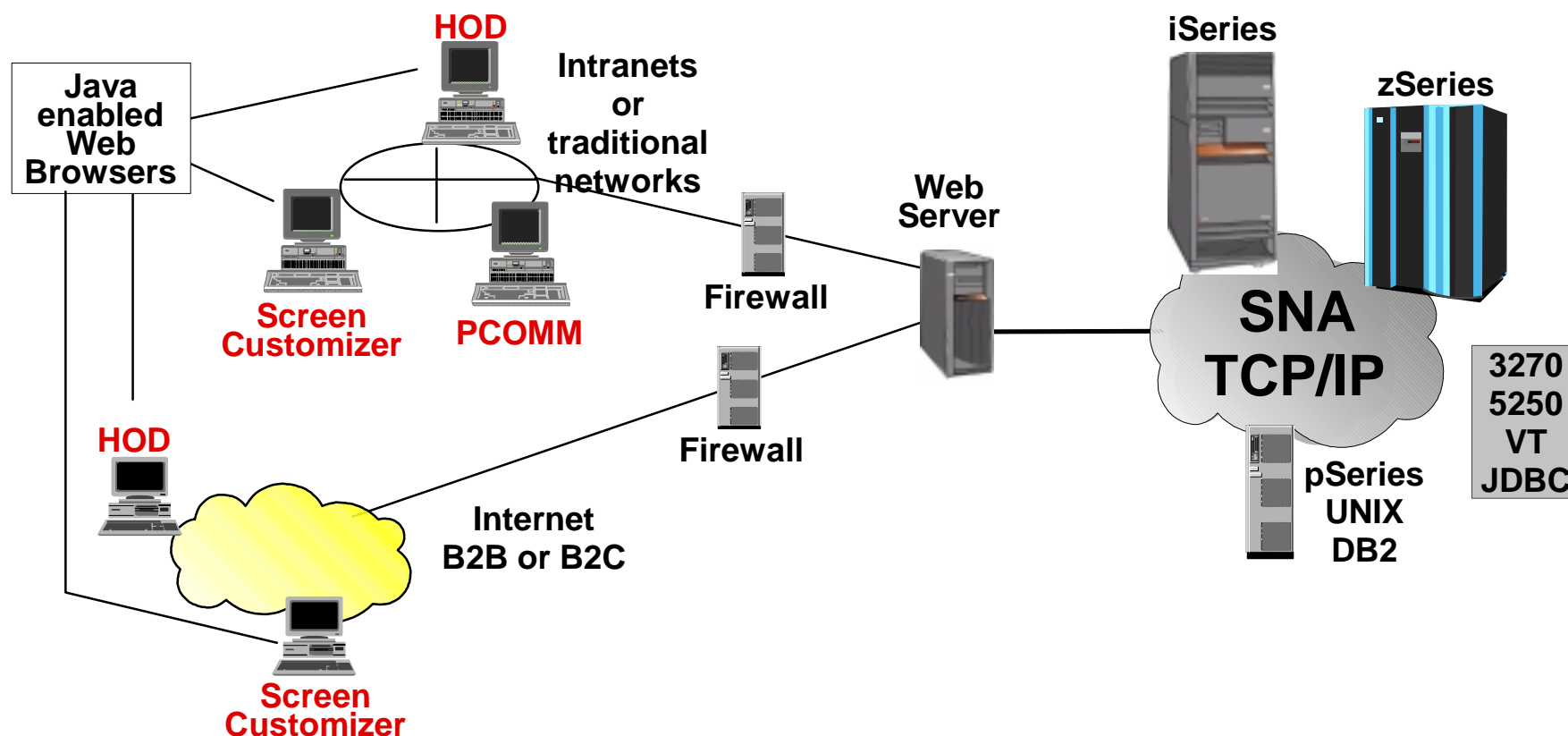


IBM Host Access Client Package

Personal Communications - traditional emulation

Host On-Demand - Java emulation

Screen Customizer - Graphical refacing



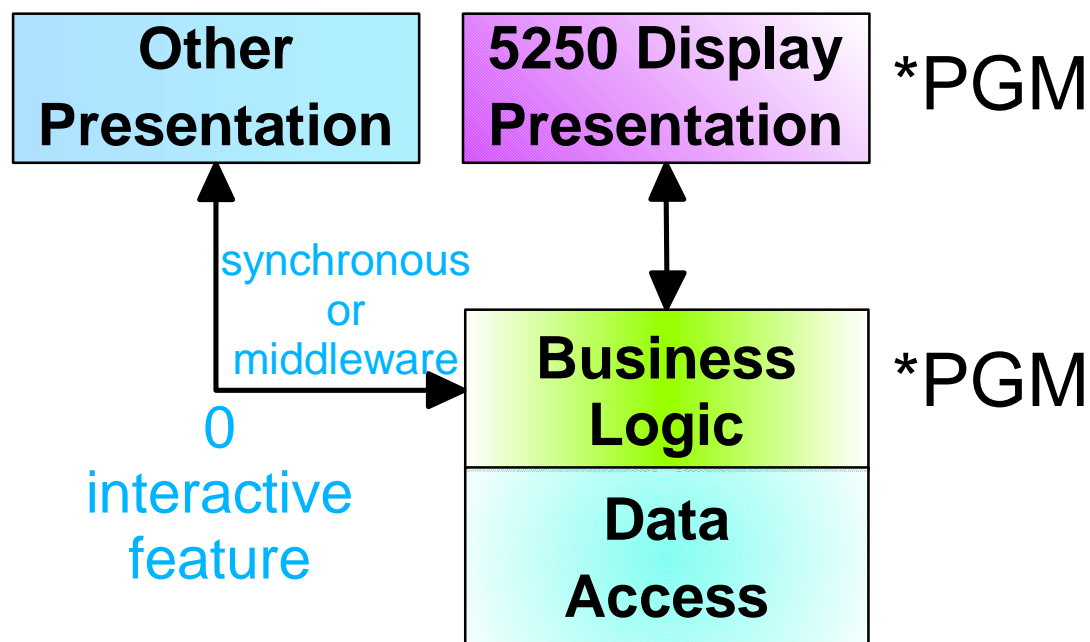
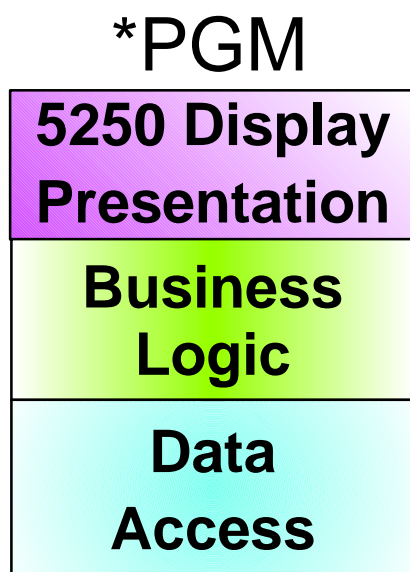
How embedded is the presentation layer?

**Monolithic Program Design, 5250
cannot be EASILY bypassed**

- Host Integration tools
- WebFacing

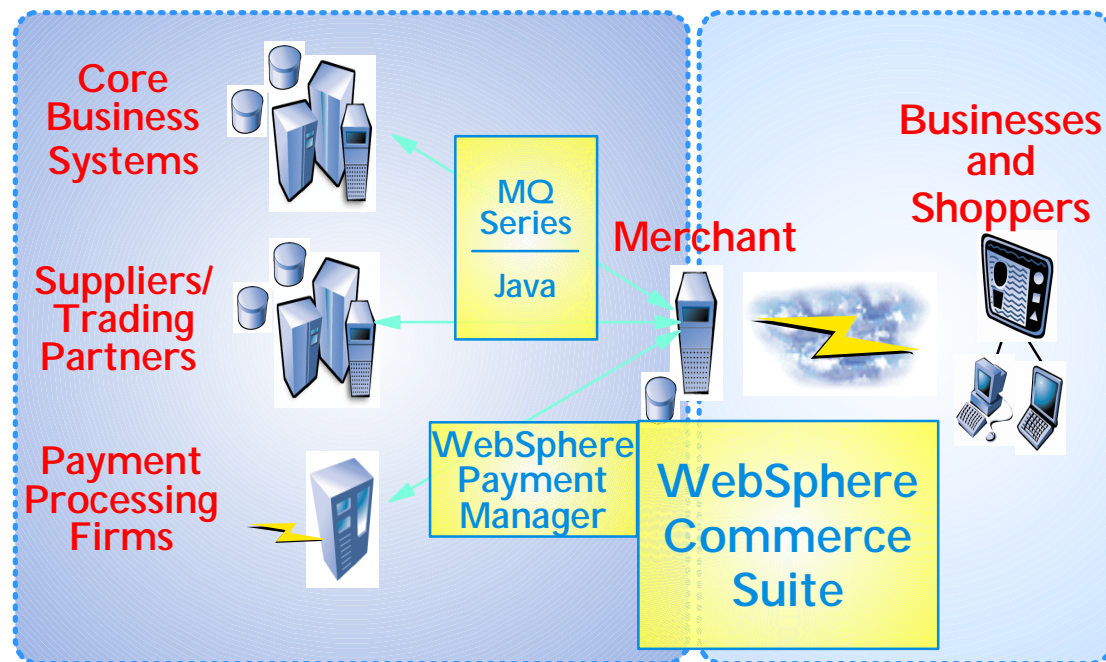
**Modular Program Design, can either
use or bypass 5250**

- Host Integration tools
- WebFacing
- CGI or Net.Data (non-Java)
- WebSphere (Java with non-Java)
 - WebSphere Studio, Web Interaction Wizard



WebSphere Commerce Suite

Version 5.4 strengthens relationships and streamlines interactions



Secure and scalable commerce site

Advanced order management, dynamic collaboration, multi-cultural and more

Includes:

- WebSphere Application Server Advanced Edition
- WebSphere Payment Manager
- Catalog Manager

WebSphere Portal Server for iSeries*

Secure access to dynamic information, applications, processes and people

- Single point of interaction
- Industry leading personalization technologies

Open framework for creating highly scalable portals

- Business to Employee (B2E)
- Business to Business (B2B)
- Business to Commerce (B2C)
- Ideal for application portlets, syndicated content and collaboration

Enables access anytime, anywhere, using any device - wired or wireless

YOU AND IBM

Quality and health care
New information can help you make a safer choice. [\[read\]](#)

Your Money
What's new in variable pay? Find out details on key changes to [2002 program](#). Learn more about base pay, commissions, pension plans, stock ownership, IBM TDSP 401(k) and other offerings. [Go to Your Money.](#)

Your Health
Are you a Network Select or Self-Managed Medical Plan participant? April 1 changes may affect how much you pay for [prescription drugs](#). Check out the complete picture on health offerings. [Go to Your Health.](#)

Your Life
Is your older relative afraid to use a computer? An [IBM grant](#) to make the internet simple for seniors in U.S. locations will help and give you the opportunity to select a location. [Go to Your Life.](#)

Your Career
Need learning assistance? IBM will help pay [educational expenses](#) at universities and colleges for job-related courses. [Go to Your Career.](#)

Looking for an HR form or application?
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[Forrester sees IT drop overall but online revenue rise](#)
Contradiction or opportunity? You decide.

[Storage Software: "IBM gains on competitors"](#)
The report shows IBM increased its market share from 11.1 percent in 2000 to 14.2 percent in 2001.

NEWS [Edit](#) [?](#) [-](#) [□](#)

keep it brief
A New Series of Fact Sheets

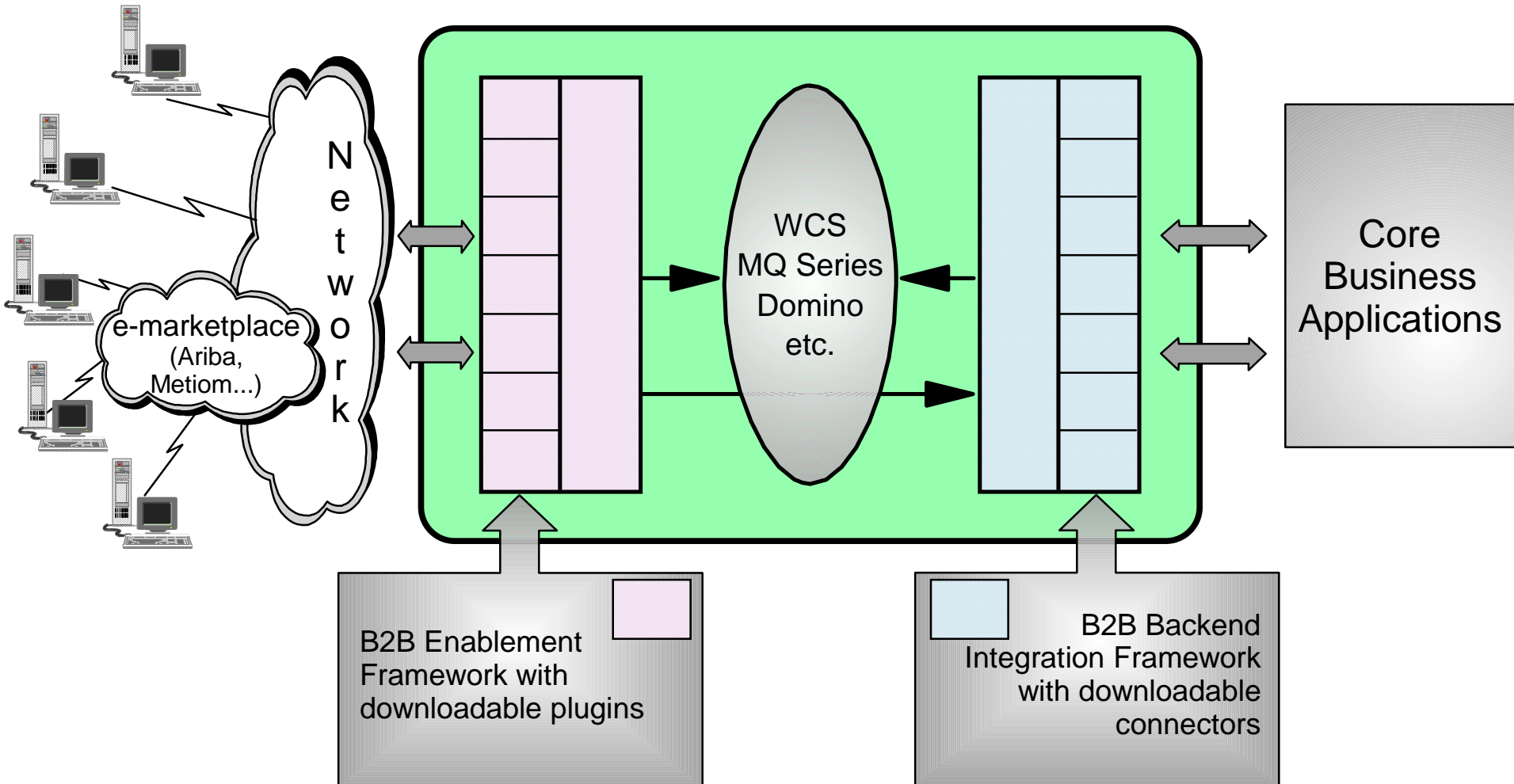
*GA planned for 2nd half of 2002

IBM Connect for iSeries

B2B Integration Framework

Tools to configure, develop, deploy & manage

Trading Partners



WebSphere Transcoding Publisher

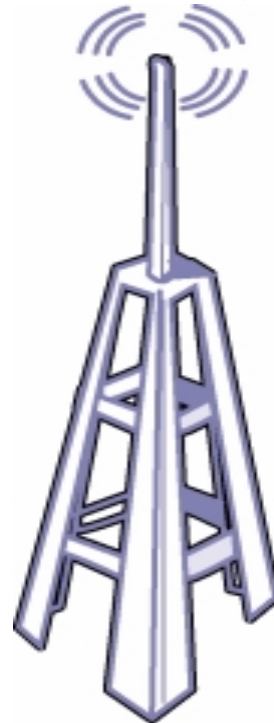
Addressing Wireless Internet Complexity

Extends Content



Bridges markup languages and image formats
HTML -> WML
GIF -> WBMP

Streamlines Delivery



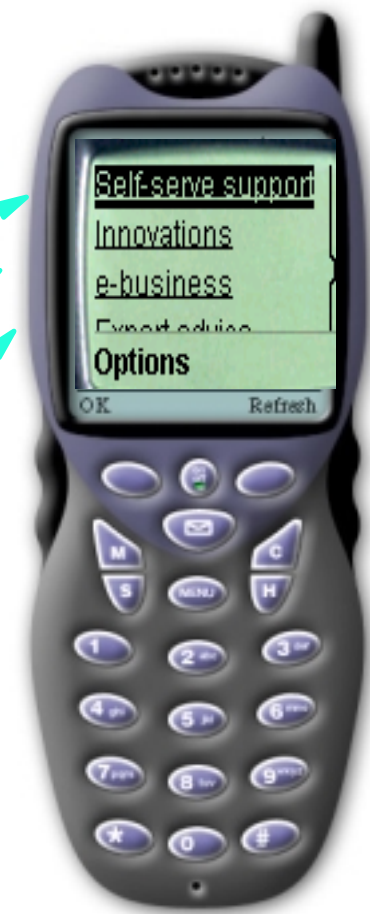
Simplifies content in response to wireless network constraints

Customizes Presentation



Adapts display to end user device capabilities

Transcoding at work



Domino

Domino: An integrated development environment...

World class messaging

Calendar and scheduling

Replication

Discussion groups

Access to relational data



Java

LDAP

Workflow

Extend existing applications

HTTP Server

XML

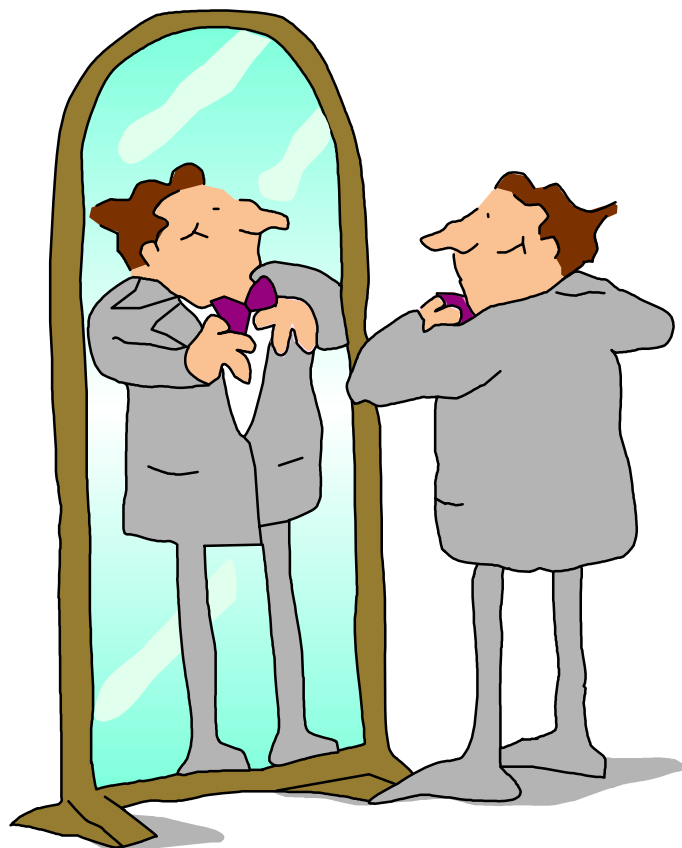
SSL

Web Application Server

Dynamic HTML conversion

128 bit encryption

You've just been selected.....

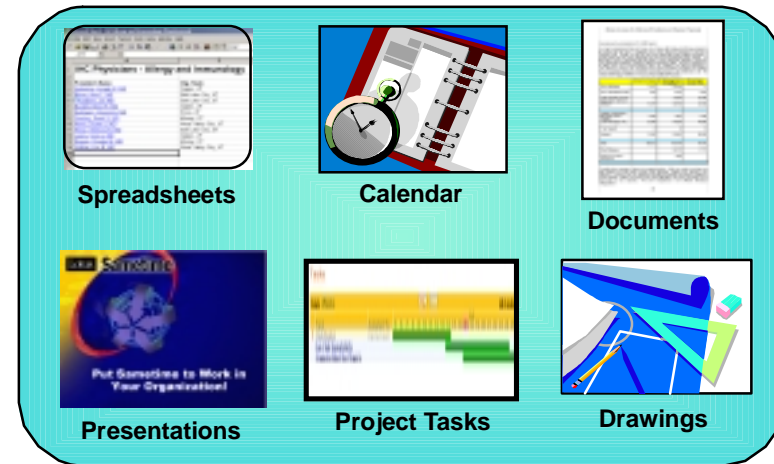


- ✓ **To lead the new project...**
- ✓ **You have 8 people on your team...**
 - 4 company employees...
 - 4 outside consultants...
- ✓ **In 6 different time zones...**
- ✓ **With some big reports to send...**
- ✓ **That will require collaboration...**
- ✓ **With a deadline in 2 months!!!!**
- ✓ ***How will you get the job done???***

What You Need Is...

QuickPlace
Instant Team Collaboration

**Lotus
QuickPlace**



- ✓ A secure and central Web-based workspace...
 - Requiring only a browser to access
- ✓ That is easy to create, use and customize...
- ✓ Providing robust collaborative options...
 - more than e-mail
- ✓ Created and deployed in minutes for instant access!!

What if....

- ✓ **...you knew whether remote colleagues were available for a conversation as easily as if they were standing in front of you?**
- ✓ **...you could show presentations or demonstrate applications to anyone in your organization regardless of location... at the same time... securely?**
- ✓ **...you could train your field work force on-line instead of flying them to headquarters?**
- ✓ **...you could speed up marketing or sales or design processes to get your products to market more quickly?**



Sametime: Real-time collaboration that's fit for business

Foundations of real-time collaboration

Awareness

Find others online and create personalized lists of team members & colleagues

Conversation

Send an instant message, start a chat or launch an instant online meeting

Shared Objects

communicate ideas more clearly by application-sharing or white-boarding



Complete Awareness

Who is Online?



Static User List

Users by Community

Users Associated with a Document



Collaborate with Shared Objects

Interact with Text, Audio & Video

Are these the latest numbers?

Year	Radio	TV	Cable	Internet
1922	0	0	0	0
1950	~10	~10	0	0
1980	~50	~50	~10	0
1995	~80	~80	~40	~10
2000	~100	~100	~80	~30

Share ideas and collaborate in a whiteboard or application session

Sametime @ Work with WestSphere Equity

Empowering a global workforce

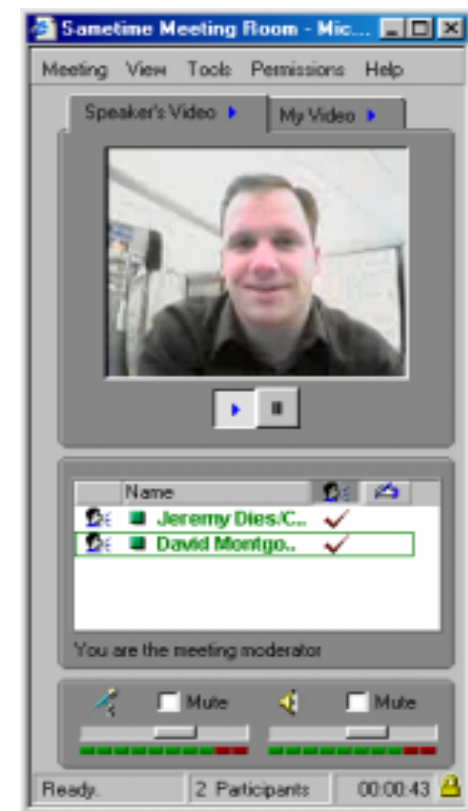
“We needed a real-time technology solution to allow our distributed investment teams to collaborate together more effectively in a timely manner.” *John Lugar, Executive Vice President*

Challenge

With six offices dispersed across North and South America, WestSphere found timely communications to be a costly challenge. Intra-company communications were unruly and expensive

Sametime Solution

Sametime saves WestSphere Equity over \$10,000 per week in long distance phone charges and reduced travel costs. In addition, users are more satisfied and feel more in touch with their colleagues



The IBM Example

Sametime is crucial to how IBM conducts its business

“We went from no users to over a quarter of a million users ... on word of mouth alone. It's become a way of life - if we turned it off, I think we'd have a mutiny.” *John Patrick, IBM Vice President, Internet Technologies, PCWorld Magazine, 8/2001*

The numbers for June, 2001:

- 86,168 "man-hours" of e-meetings
- 4,745 total meetings (avg. 160 per day)
- 22 meetings with > 75 attendees

If 10% of those meetings would have required travel, IBM saved \$1.9M in June alone just in reduced travel related expenses.¹

¹Assuming average meeting had 5 participants and travel cost each employee \$800.

iNotes Web Access Features Beyond WebMail

Enhanced user interface

Out-of-office auto reply

Web-based Welcome Page

Group Calendar

Sametime integration

Work hour differentiation

New mail on top/bottom user preference setting

Enhanced Calendar printing

Alarms (Calendar & To Do)

Check for new mail button

To Do Gantt chart

Archiving of mail/documents

Personal Journal

Read/unread mark support

Context sensitive Help

Spell check

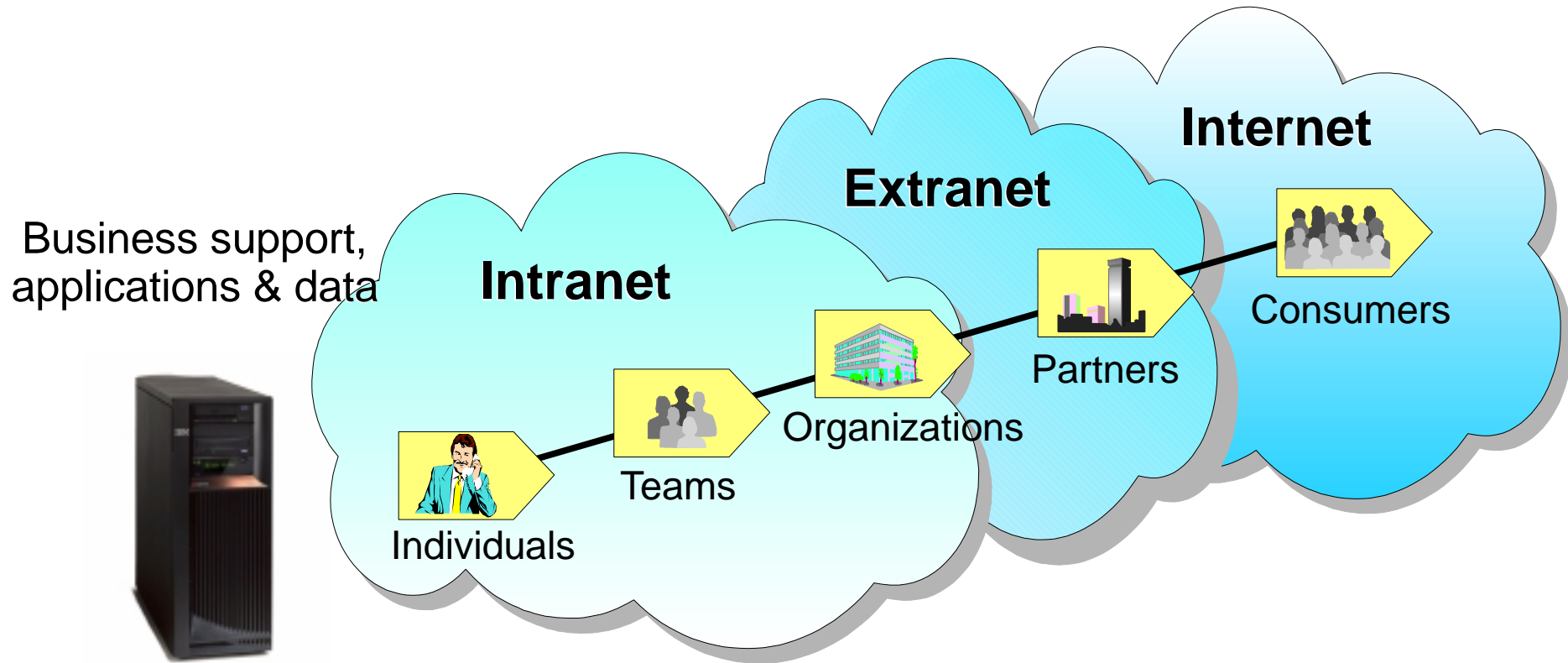
Secure log off

Unlimited attachments

Change password from browser

Extending Your Reach

Commerce Suite, Payment Manager, Webserver Search



Java, WebSphere, Domino, Net.Data

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