WebSphere for iSeries

V5

A Whirlwind of Exciting Announcements
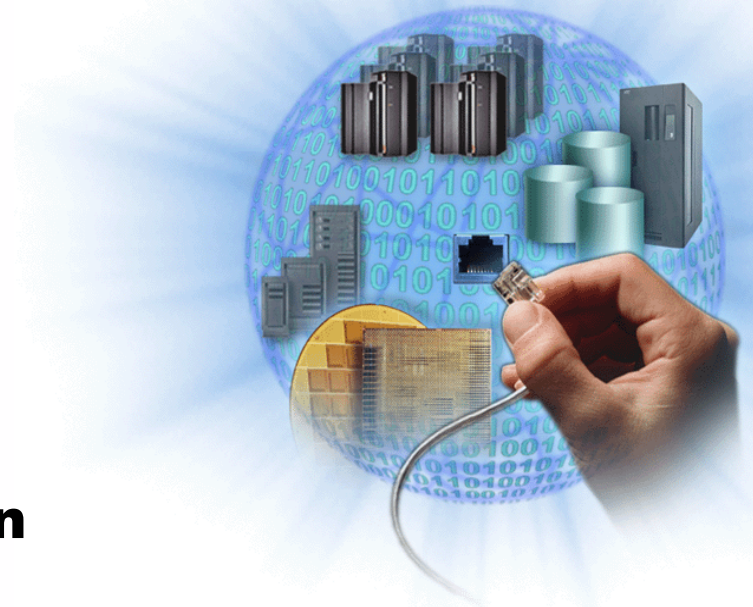
Robin Clark

Michael Martin

WebSphere software

Agenda

- ★ **WebSphere Application Server V5**

- ★ **WebSphere Development Tools**

- ★ **WebSphere Portal Server**

- ★ **Q&A**

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WebSphere Application Server V5

WebSphere Software Platform

Achieve Customer Loyalty

Render e-business Capabilities and Content as a Compelling, Personalized User Experience to Any Device

Achieve Business Agility

Design, Integrate and Manage Back-end Business Processes Enabling High Business Agility and Cost Reductions

Reach & User Experience

Business Integration

WebSphere

Foundation and Tools

Achieve Scalability, Reliability & Productivity

Open Foundation Software to Build, Integrate and Deploy e-business Applications Delivering Profound Improvements in Quality and Productivity

WebSphere software

IBM

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2002 - Market transforming momentum

#1

Leading indicators

"...Companies plan to standardize on WebSphere, 5-to-1 over WebLogic .."
—Salomon Smith Barney, 2001

- Consideration **+9**
- Awareness **+9** to **57%**
- Unaided awareness **+6**

Source: IBM SWIT App Server 2001 YtY

#1

Sustained revenue growth

- 14 consecutive quarters of double-digit WebSphere software revenue growth
- 2001 app server growth was 5 times faster than the industry according to IDC

50%
2001 YtY
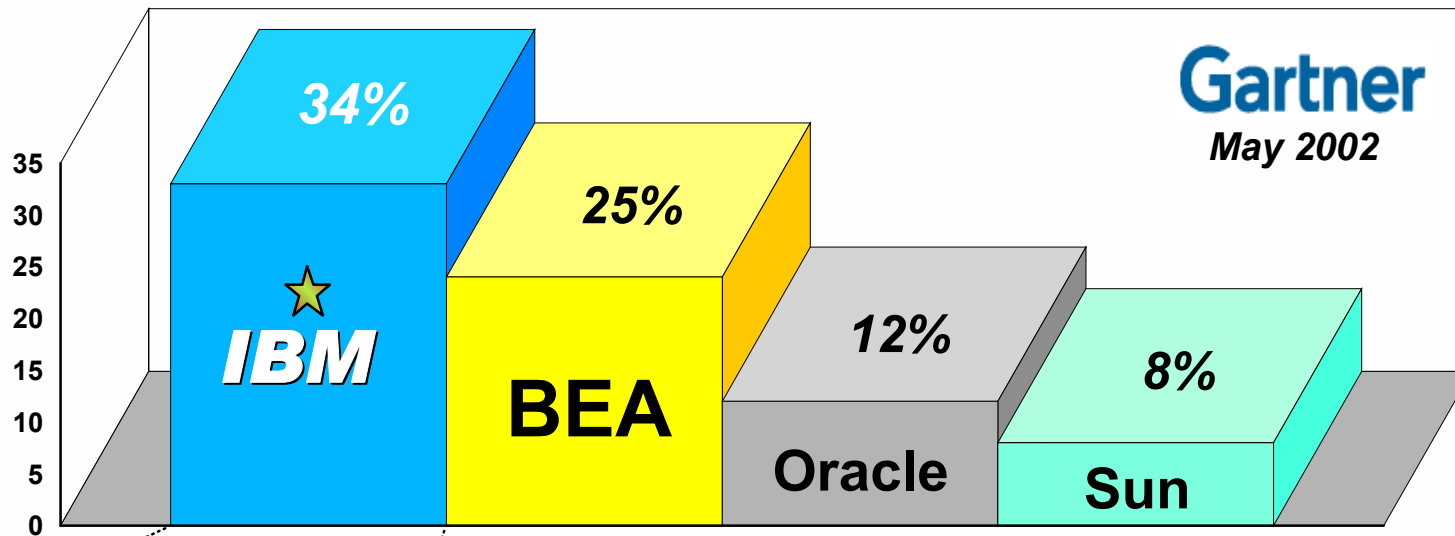
Source: IBM Finance 2Q02 and IDC 6/02

#1

Technology leaders

- **222** IBM WebSphere software Patents in 2001
- Delivered **200+** new AD partnerships
- **Latest** Web Services standards including AXIS, SOAP, JAX-R, JAX, WS-Coordination, WS-Transactions, BPEL4WS

Market **Leading** e-business Platform

EBAY IS PLAYING TO WIN.

WEBSPHERE ISN'T JUST A PLATFORM FOR WEB SERVICES. IT'S A LAUNCHING PAD.

WebSphere

WebSphere software

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WebSphere Market Position

Application Platform Suites Market Share
### (Inclusive of application servers, portals, messaging, etc.)

Gartner

May 2002

- 34% — ★ IBM
- 25% — BEA
- 12% — Oracle
- 8% — Sun

(Chart axis: 0, 5, 10, 15, 20, 25, 30, 35)

Market Leading e-business Platform

- Customers require integrated platform solutions, not just application servers including messaging, portals, tools, etc.

- WebSphere is the clear market leader in e-business platform solutions

- WebSphere out paced BEA market growth by 33%

WebSphere software

IBM

80% of usage occasions were in the context of extending the value of existing business capabilities

Integrating
17%

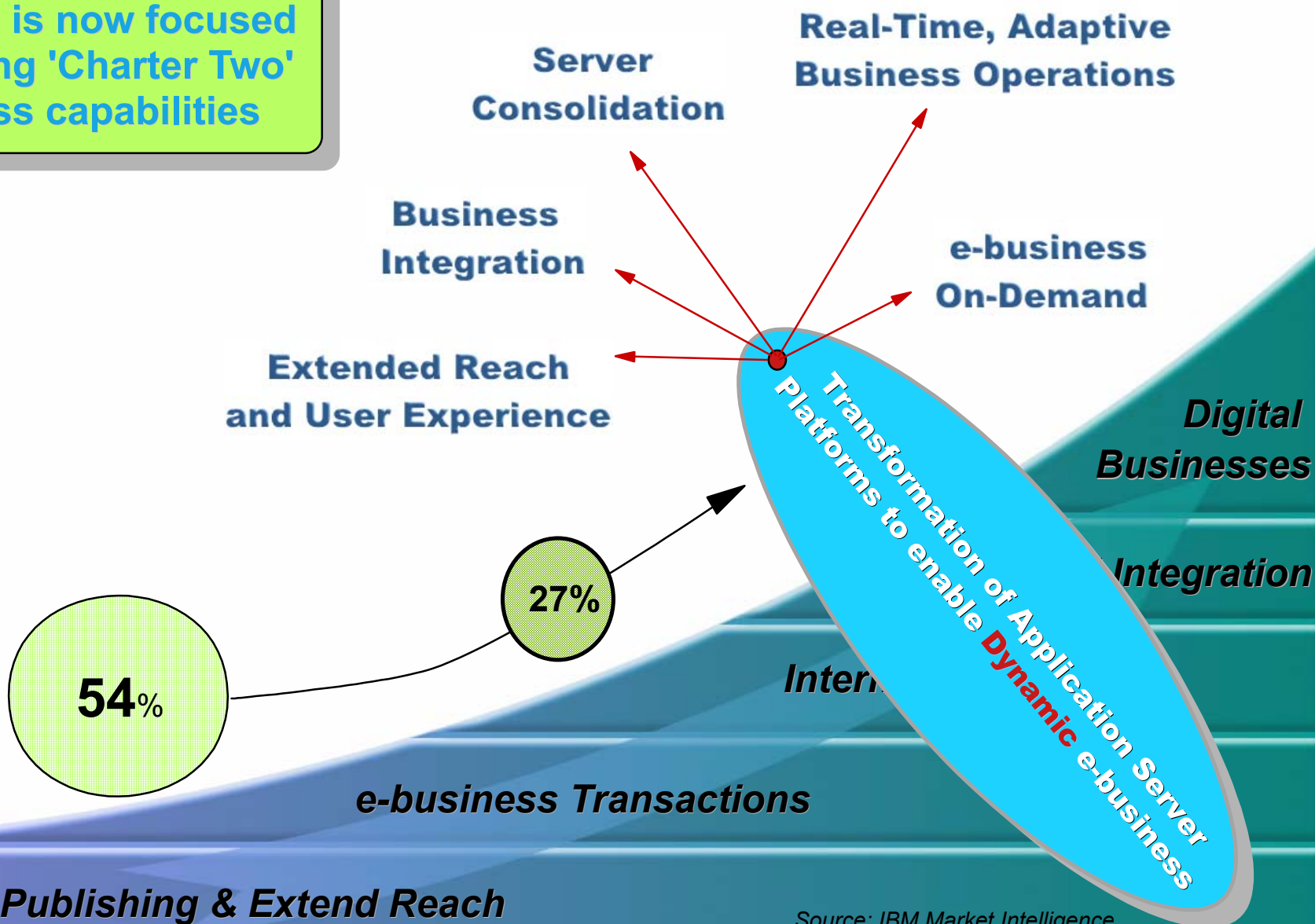Advanced
3%

Early
80%

1%

2.5%

5%

12%

27%

53%
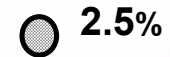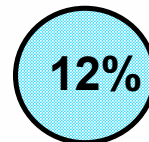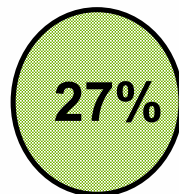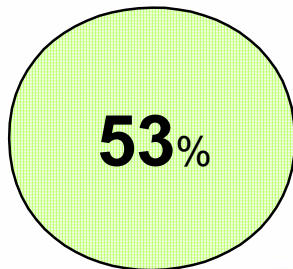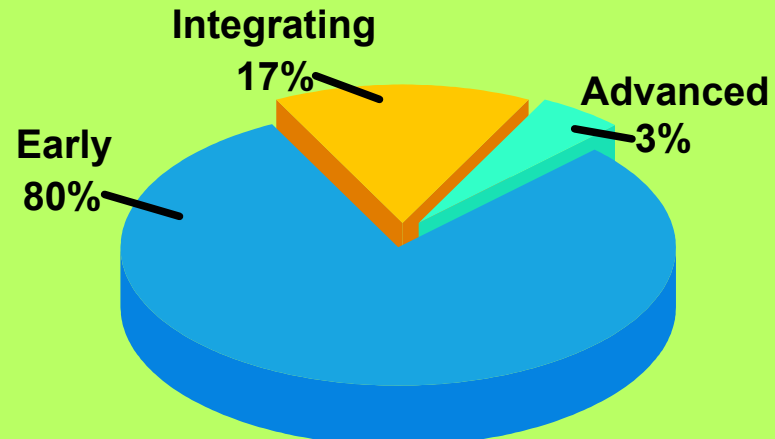
Digital
Businesses

Internal Integration

e-business Transactions

Chapter Two: e-business Platform Usage

54% of customer spending is now focused on building 'Charter Two' business capabilities

Server Consolidation

Real-Time, Adaptive Business Operations

Business Integration

e-business On-Demand

Extended Reach and User Experience

Transformation of Application Server Platforms to enable **Dynamic** e-business

Digital Businesses

Integration

27%

54%

Internet

e-business Transactions

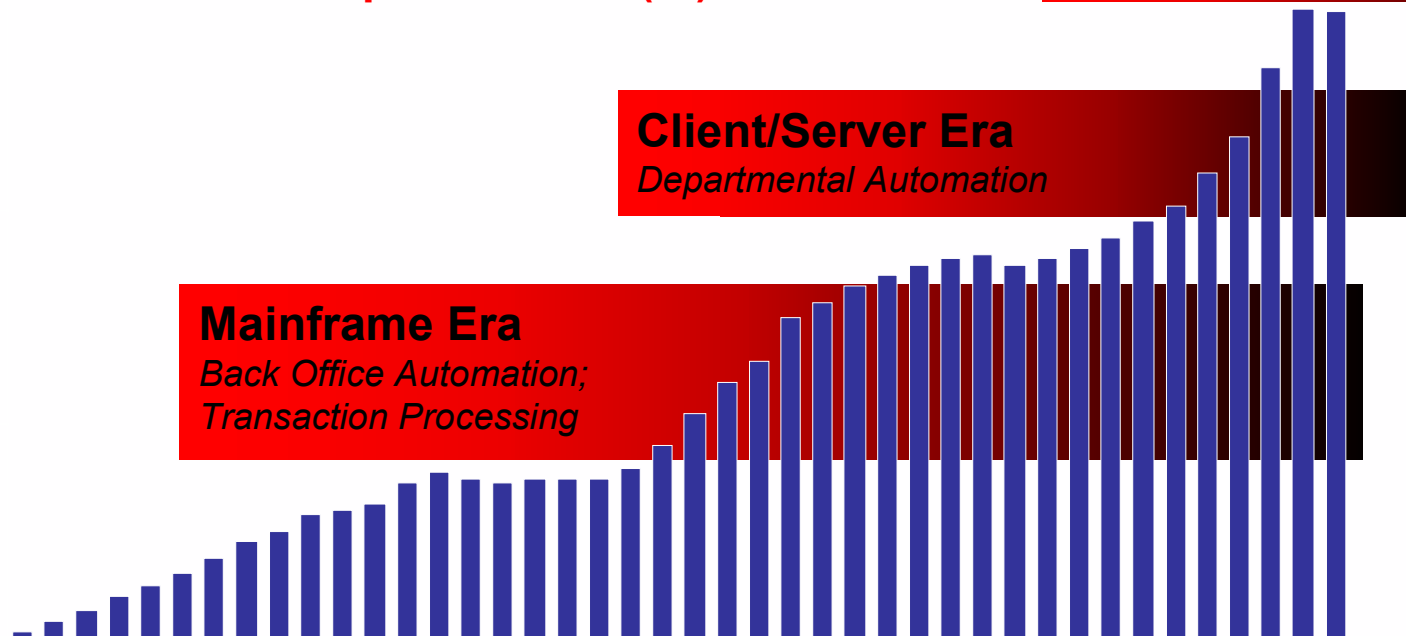**Web Publishing & Extend Reach**

Source: IBM Market Intelligence

The Next Era: On-demand Businesses

On-Demand Businesses will be highly adaptive enterprises that can instantly sense and respond to changing conditions. Their business processes are flexible and integrated enough to dynamically change with their needs. Business services can be quickly constructed and made available over an open, utility-like infrastructure for other businesses to consume

E-BUSINESS ON DEMAND™
THE NEXT UTILITY™

IT Share of US Capital Assets (%)

Network Era
Integration

Client/Server Era
Departmental Automation

Mainframe Era
*Back Office Automation;
Transaction Processing*

Source: U.S. Department of Commerce, Sept. 2000
2000/2001/1H02 Estimates

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WebSphere v5 - A Platform for an On-demand Business

- **Productive construction, deployment & management of new business services**

- **Dynamic access to computing resources on demand - optimizing utilization & TCO**

- **Increasingly autonomic, self-calibrating infrastructure**

- **Ubiquitous and personalized access to content and business services**

- **Business integration and modernization services for the extended enterprise**

WebSphere software

IBM

WebSphere (V5) - What's New?

Comprehensive Build-to-Integrate Platform

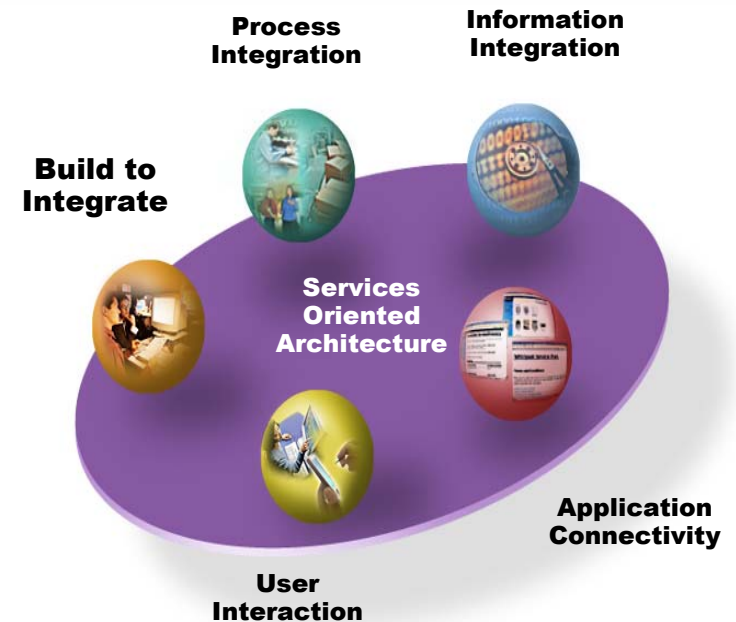★ **Build, publish & manage open application services**

- Latest J2EE 1.3 & Web services standards (1.4-ready!)
- Transform any asset automatically into reusable Web services
- Native pUDDI repository & a secure, manageable gateway
- J2C+ adapters with advanced back-end transactional coordination

★ **Enable dynamic application integration flexibility**

- Native, high performance JMS with extended messaging capabilities
- Web Services Invocation Framework for dynamic protocol flexibility
- Rules-based "edge-of-network" Web service routing & caching

★ **Visually compose & choreograph application flows & interactions**

- Distributed service flows among J2EE assets, Web services, legacy systems & human interactions
- Real-time adaptive applications (business rules, state machines, application profiling, etc.)
- Advanced transactional compensation patterns & coordination of multiple transaction activities
- Generate flows into reusable web services or J2EE components

Process Integration

Information Integration

Build to Integrate

Services Oriented Architecture

Application Connectivity

User Interaction

WebSphere software

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WebSphere (V5) - What's New?

Intelligent, End-to-end Application QoS

★ **Handle unpredictable high volume loads in a customized, dynamic manner**

- Dynamic multi-domain workload management
- Load balancing advisors and consultants
- Application profiling for optimizing individual application performance
- Dynamic caching with ESI "edge-of-network" fragment support

★ **Avoid downtimes with high availability & reliability**

- High availability LDAP directory server & multi-domain failover
- Content distribution framework for efficient content topologies
- Transactional, rules-based (prioritized) QoS routing & caching

★ **Instill confidence with robust security services**

- Java Cryptography Extensions, CSiv2 & JAAS frameworks
- Secure, multi-protocol Web services gateway
- Enhanced authentication and access control security based on Tivoli Policy Director

WebSphere software

IBM
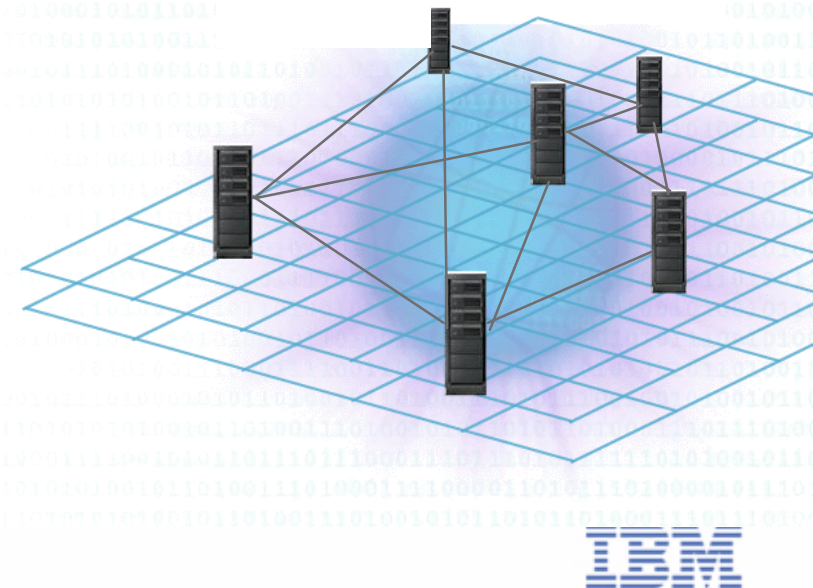
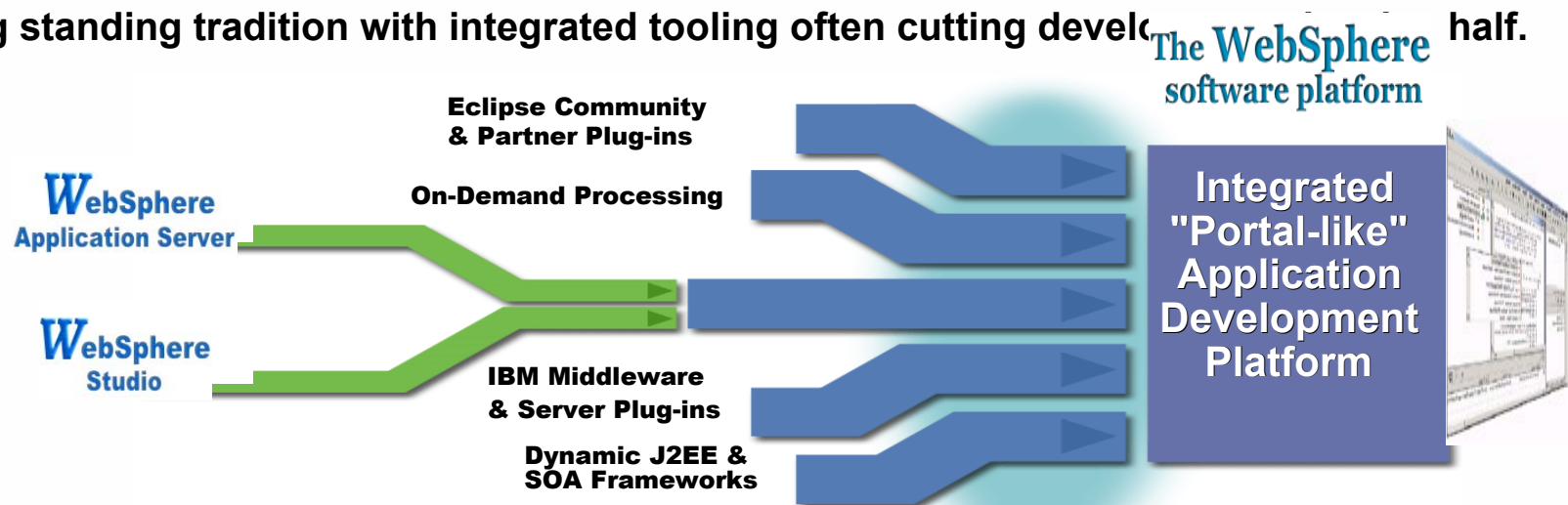# WebSphere (V5) - What's New?

Agile Deployment & Administration

★ **Efficiently deploy and manage with intuitive, automated tasks & processes from a centralized console**

★ **Support for distributed, cross platform topologies - Windows to z/OS**

★ **Easily adapt deployment topologies without disruption, from a standalone "on-ramp" to multi-domain server clusters**

★ **Concurrent or delayed application deployment and/or migration with automated confirmation and coordination across clustered nodes**

★ **Support for open JMX interfaces, advanced coordination of EJB containers and application profile administration**

★ **Features for default administration settings and embedded application or OEM usage**

WebSphere Application Server Nodes & Domains

Agile Deployment & Administration

WebSphere software

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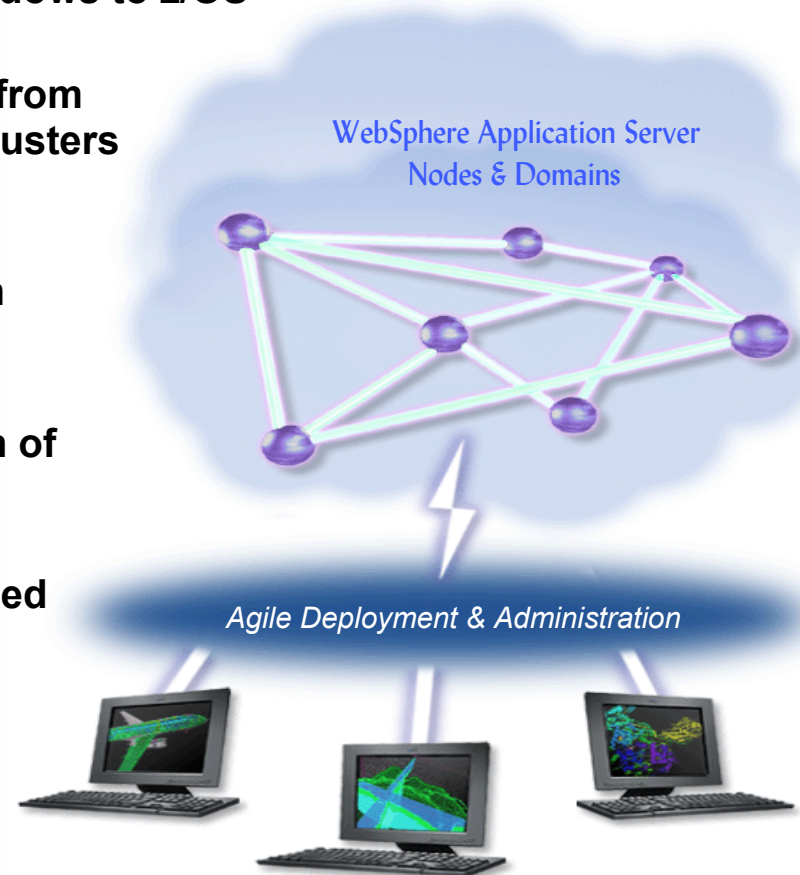
WebSphere (V5) - What's New?

Integrated Application Development

★ **A services-oriented model where applications are composed of loosely integrated, modular 'services'**

★ **Dynamic, interactive develop, test & server deployment environment**

★ **Portal-like integration of best-of-breed tools and middleware extensions (Eclipse-based)**

★ **Productivity frameworks for business rules, dynamic EJB queries, internationalization, etc..**

★ **Long standing tradition with integrated tooling often cutting develo** **The WebSphere** **half.**
 software platform

WebSphere
Application Server

WebSphere
Studio

Eclipse Community
& Partner Plug-ins

On-Demand Processing

IBM Middleware
& Server Plug-ins

Dynamic J2EE &
SOA Frameworks

**Integrated
"Portal-like"
Application
Development
Platform**

WebSphere software

IBM

WebSphere V5 Value Proposition

The Power Of 1

Reach & User Experience
Business Integration

WebSphere.

Foundation and Tools

★ **ONE** administration point for foundation messaging, flows, and applications

★ **ONE** programming model for foundation messaging, flows and applications

★ **ONE** integrated application development environment for foundation messaging, flows and applications

★ **ONE** deployment model for foundation messaging, flows and applications

★ **ONE** cost effective, integrated foundation platform for your customer

WebSphere software

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WebSphere Application Server (V5)

An extended J2EE & Web services **'build-to-integrate'** platform for composing & choreographing adaptable application workflows and behaviors

A J2EE 1.3 certified web services application server specifically optimized to the unique QoS of z/OS

The <u>mainstream</u> Web services J2EE 1.3 certified application server enabling industry leading QoS and flexible deployment options
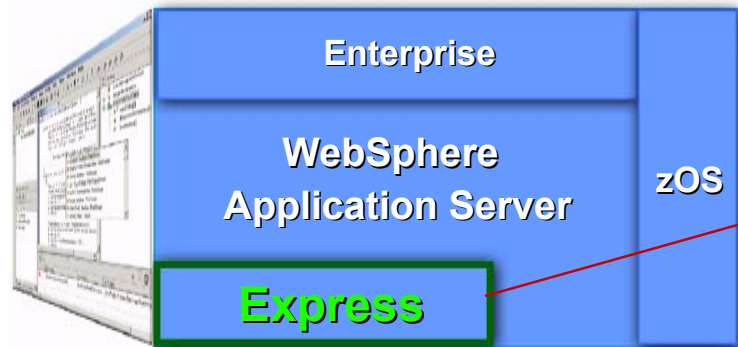
Enterprise

An easily approachable <u>"on-ramp"</u> to e-business, providing fast and productive development, deployment of dynamic web applications

WebSphere Application Server

zOS

Express

WebSphere software

IBM
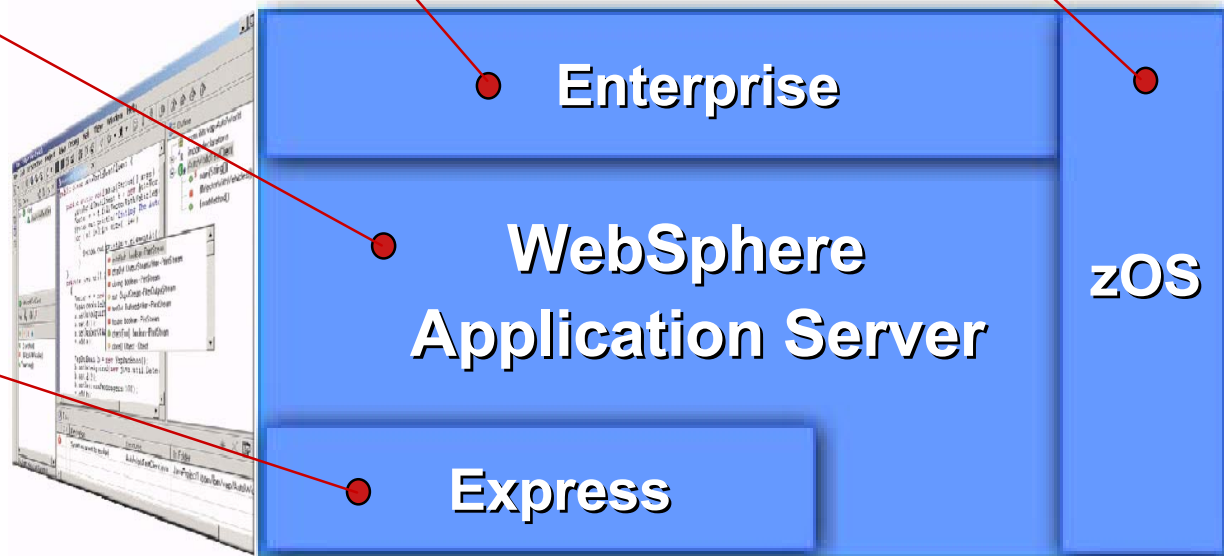
WebSphere Application Server (V5) Express

Only support Intel (2000 & Linux) & OS/400

Enterprise

WebSphere Application Server

zOS

Express

WebSphere Application Server
Express for iSeries

A cost effective, easily approachable **"on-ramp"** to e-business, providing fast and productive development, deployment & management of dynamic web sites

★ Ready to go "out-of-the-box" via quick, wizard driven near-zero-cost administration
★ Built to support smaller footprint and automated installations & administration
★ WebSphere-Express V5 for iSeries
  ● Includes web application server - WebSphere-Express V5 for iSeries
  ● Includes 1 copy of WebSphere Development Studio client (WDSc) for iSeries
  ● Includes no cost product - IBM Telephone Directory

★ WebSphere-Express V5 is priced right for MidMarket!
  ● $2,000 per cpu (unlimited number of web users)
  ● $25 per user (Intranet only registered users - buy in increments of 20 users)
  ● Price includes 1 year of Software Maintenance (Passport Advantage)

★ Recommended migration option for WAS Standard Edition V3.5 (3.02)

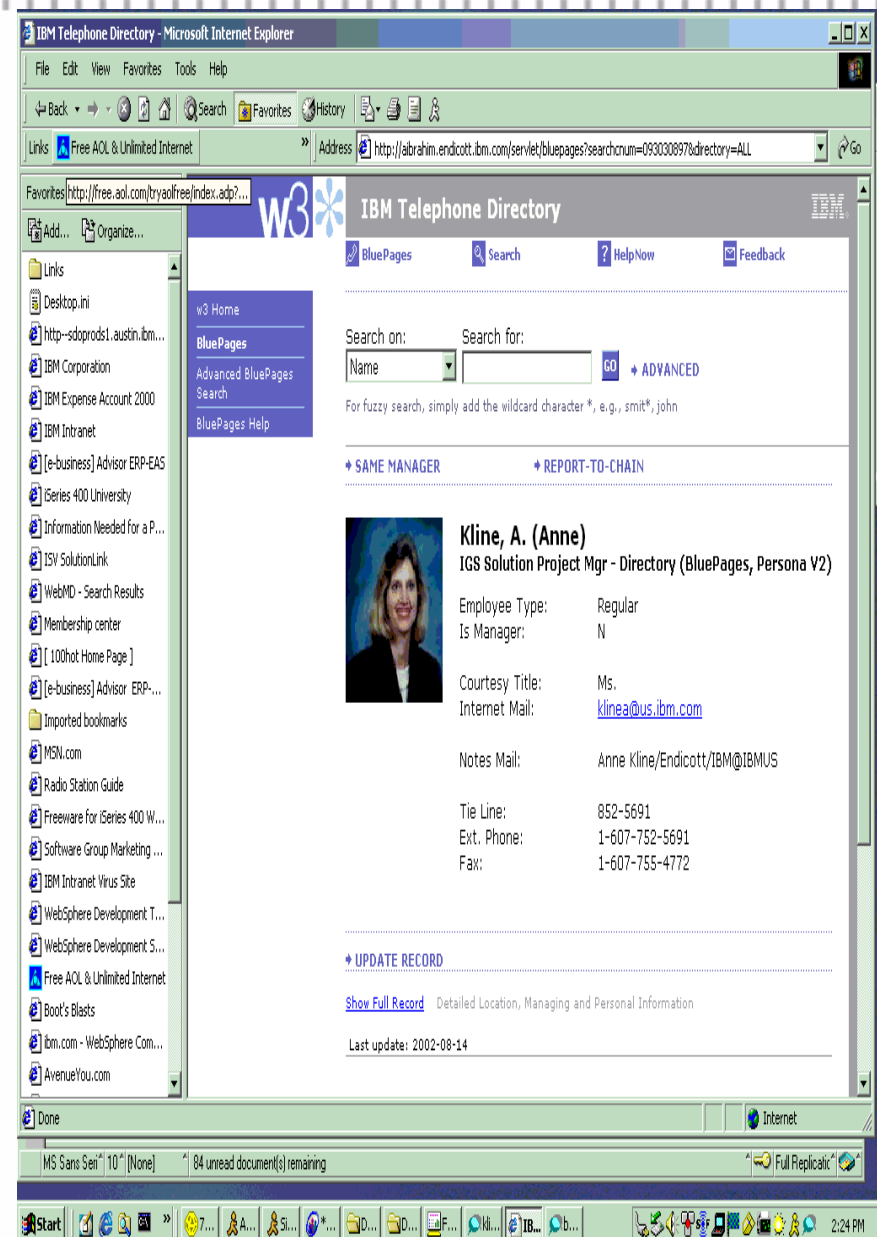*Sub-Capacity Pricing Available for iSeries*

WebSphere software

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WebSphere Application Server V5 Express

IBM Telephone Directory for iSeries

★ **WebSphere Application Server is web plumbing**
  - IBM Telephone Directory provides "out-of-the-box" functionality

★ **Provide ISV's and customers with an application which can be used immediately**
  - "Started simple" with WebSphere
  - Provide a valuable application all customers can use
  - Powerful search capabilities
  - Name - photo - phone - role - division - department - management chain, etc.

★ *IBM Telephone Directory is no-cost for first 1,000 entries*
  - IGS special bid for 1,000+ entries
  - iSeries-only offering for WAS V5 and WebSphere Express V5 for iSeries

WebSphere software

URL: http://elcrtp25.raleigh.ibm.com:3633/bizApps

WebSphere V5 - What's New?

Enterprise

WebSphere Application Server

**zOS**

Express
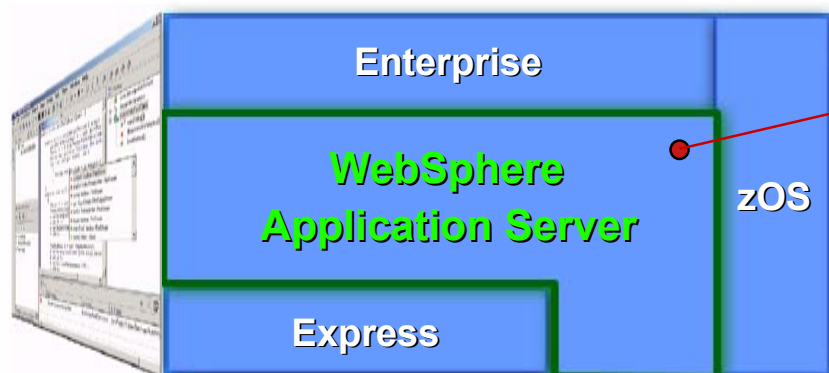
WebSphere Application Server

The **mainstream** Web services J2EE 1.3 certified application server enabling industry leading QoS and flexible deployment options

★ **Was WAS V4 (single-server) -->** now **WebSphere Application Server (Base)** - $8,951 per cpu

★ **Was WAS V4 (multi-server) -->** now **WAS Network Deployment** - $13,441 per cpu

★ **Fully J2EE 1.3 certified (EJB's)** including a native, high performance JMS messaging server

★ **Provides a comprehensive XML Web services environment based on the latest open standards**

★ **Improved, ease-to-use automated administration and management services included advanced caching, security, workload management, availability and clustering services**

★ **New flexible packaging enables multiple deployment options from single server to clustered, highly available 'edge-of-network' configurations from a common console**

WebSphere software

Sub-Capacity Pricing Available for iSeries

IBM

WebSphere Application Development Tools

WebSphere software

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Application Development: A "Portal-like" Approach for Developers

An integrated experience unlocks greater productivity by bringing order, collaboration and integration to rapidly expanding e-business development processes
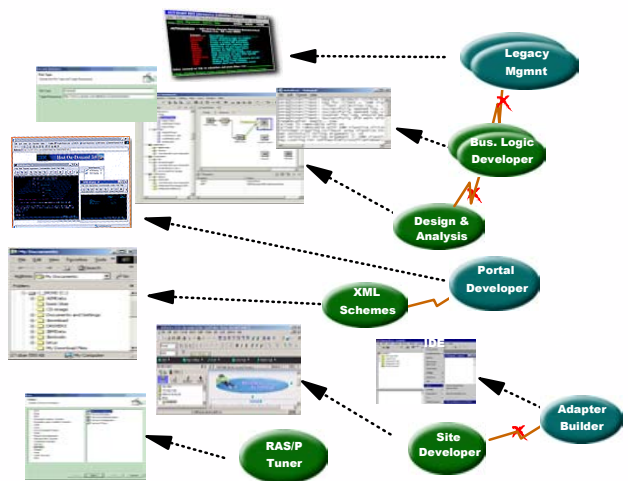
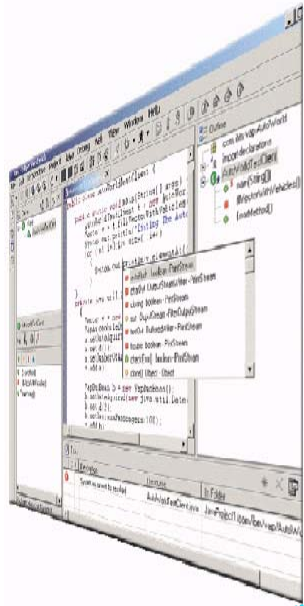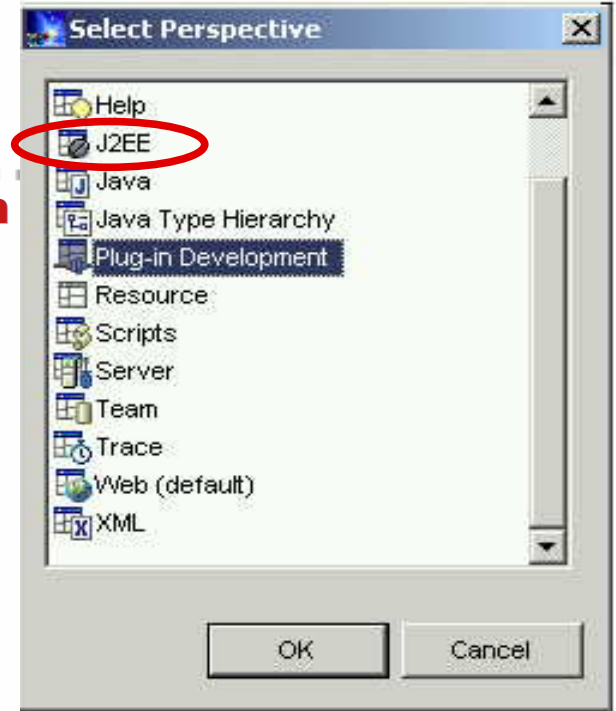*Most AD environments involve more than one tool from multiple suppliers*
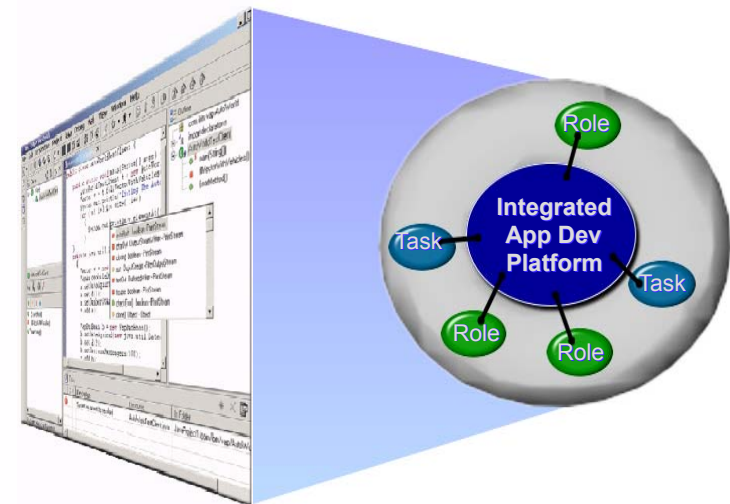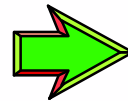
Best-of-breed tools working together as an integrated environment
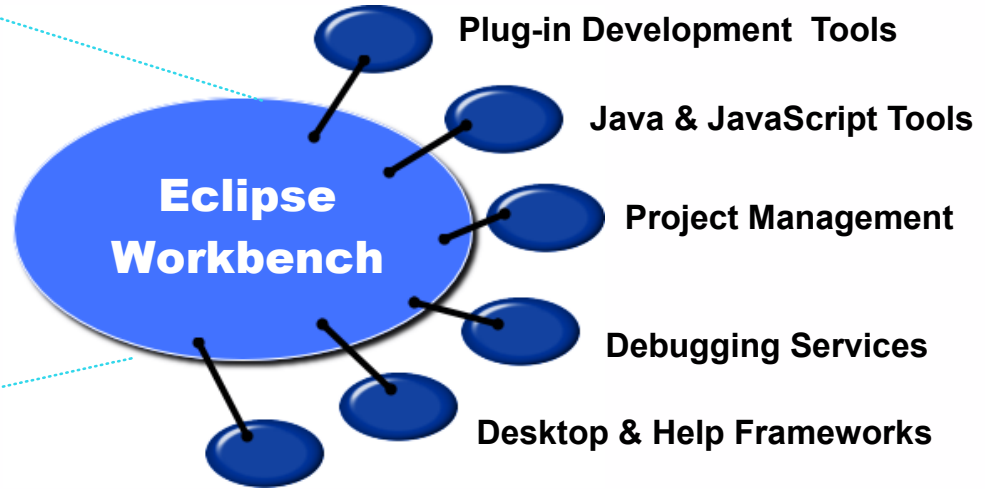
WebSphere software

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Eclipse Workbench
An Open, Multi-vendor Tool Integration Platform

A personalized, extensible development platform organized via developer

"Perspectives"

Select Perspective

- Help
- J2EE
- Java
- Java Type Hierarchy
- Plug-in Development
- Resource
- Scripts
- Server
- Team
- Trace
- Web (default)
- XML

OK   Cancel

Products built with Eclipse inherit these capabilities plus 'plug-ins' built by others

Eclipse Workbench

Plug-in Development Tools

Java & JavaScript Tools

Project Management

Debugging Services

Desktop & Help Frameworks

WebSphere software

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The WebSphere Studio Family
IBM's Development Solution for e-business
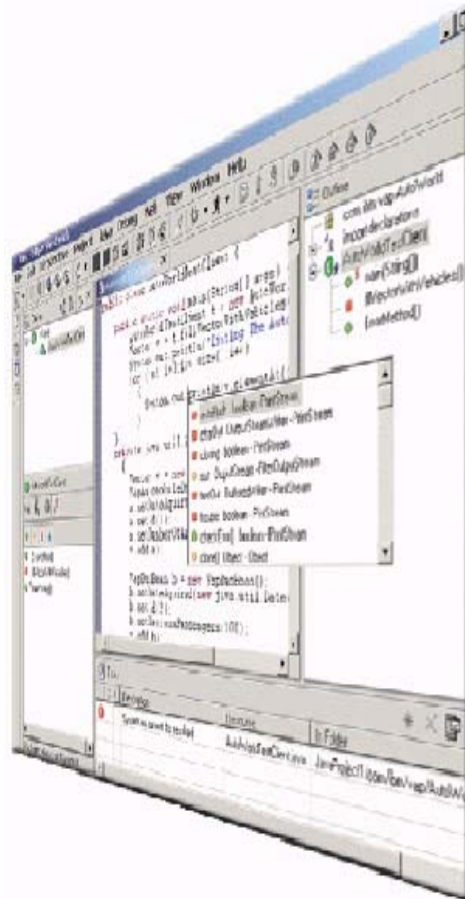
IBM Server & Middleware Tools

Business Partner Tools & Middleware
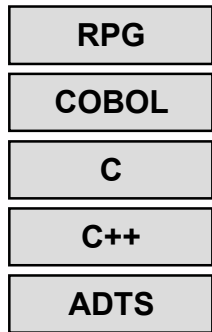
WebSphere Studio

WebSphere Studio Workbench
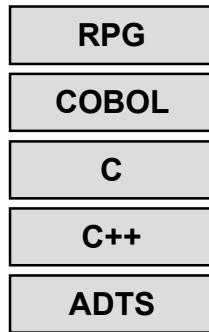
WebSphere software

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WebSphere Studio Workbench

★ IBM's commercially supported implementation of the Eclipse open source technology

★ the foundation for the new WebSphere Studio family and future IBM middleware tools

★ Enables partners or customers to develop, customize or integrate tools with the WebSphere Software Platform
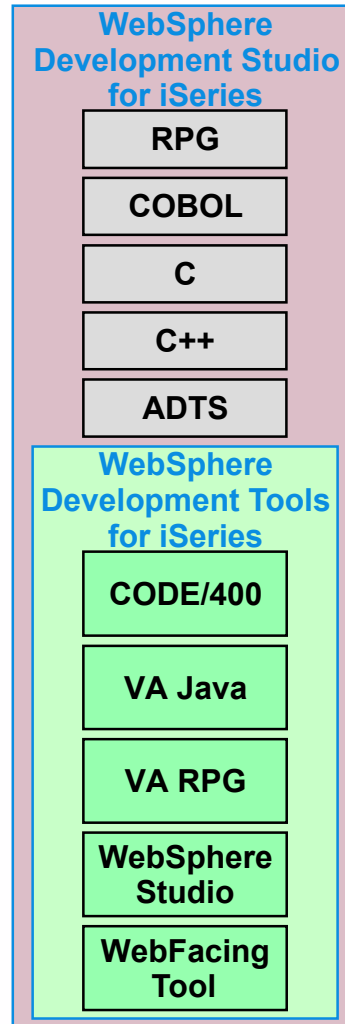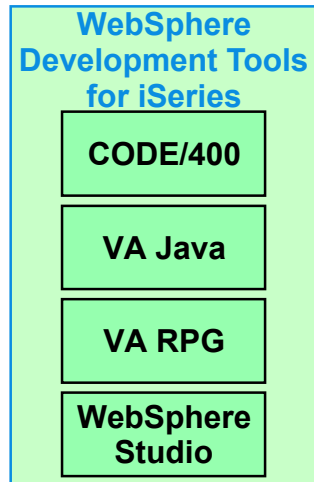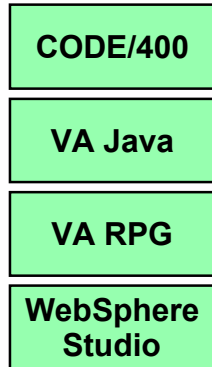
★ Support by a new business partner program

IBM Server & Middleware Tools

Partner Tools & Middleware

WebSphere Studio

WebSphere Studio Workbench

WebSphere software

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The Evolution of e-business Dev Tools for iSeries

V4R4

RPG
COBOL
C
C++
ADTS

CODE/400
VA Java
VA RPG
WebSphere Studio

V4R5

RPG
COBOL
C
C++
ADTS

WebSphere Development Tools for iSeries

CODE/400
VA Java
VA RPG
WebSphere Studio

V5R1

WebSphere Development Studio for iSeries

RPG
COBOL
C
C++
ADTS

WebSphere Development Tools for iSeries

CODE/400
VA Java
VA RPG
WebSphere Studio
WebFacing Tool

V5R2

WebSphere Development Studio for iSeries

RPG
COBOL
C
C++
ADTS

WebSphere Development Studio Client (WDSc)

CODE   VA RPG

WebSphere Studio Site Developer Advanced

Web Tools
Java Tools
WebFacing
XML Tools
Web Services Tools
Remote System Explorer

WebSphere Studio Workbench

WebSphere software

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WDSc What? and When?

Components

★ **WDSc**

- **Java Tools**
- **Web Tools**
- **IBM WebFacing Tool**
- **XML Tools**
- **Web Services Tools**
- **Remote System Explorer (RPG and COBOL Development)**

WebSphere Development Studio Client (WDSc)

★ **eclipse based tools**

★ **It is the "new" WebSphere Development Tools**

- **Will ship with V5R2 version of WebSphere Development Studio for iSeries**

★ **No additional charge upgrade for existing V5R1 licenses**

- **Must specifically order the upgrade - no auto-ship**
- **5722-WDS   Refresh feature code 2655**
- **Available mid-July**

More details:
www.ibm.com/software/ad/wdt400

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IBM's Unified Web Services Software Infrastructure ...

WS►I
WEB SERVICES
INTEROPERABILITY
ORGANIZATION

Web Services Development

↓

WebSphere Studio: Unified Development Environment — eclipse

| Tivoli. software | Lotus software | IBM @server | DB2 Data Management Software | WebSphere. software |

WebSphere Application Server: Unified Runtime Environment — J2EE ™

↑

Web Services Deployment & Management

WebSphere software

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WebSphere Infrastructure Software
..this is what our customers have told us

Market Priorities

- Sustained Leadership in the Developer Community

- Business Partner Success

- A Foundation for an e-business Platform

    - Business Integration
    - User Experience & Reach

- Express On-ramp & Approachability for SMB

WebSphere.

Product Priorities

- Build-to-Integrate

- Network & Application Qualities-of-Services

- Usability & Productivity

- Deployment Resiliency, Agility and Productivity

- Open Standards Platforms Leadership

WebSphere software

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WebSphere (v5) Value Proposition

★ Comprehensive Build-to-Integrate Platform

Improve time-to-value by building new integration-ready applications which leverage existing software assets

★ Integrated Application Development

Maximize ROI and lower labor costs with superior developer productivity and the flexibility of a "portal-like" integration of best-of-breed tools

★ Agile Deployment & Administration

Lower cost of ownership and minimize startup investment with highly productive and flexible administration, deployment & management services

★ Intelligent, End-to-end Application QoS Optimization

Create competitive advantage and optimize price/performance while meeting the changing demands of dynamic e-business with industry leading reliability, scalability, performance & security
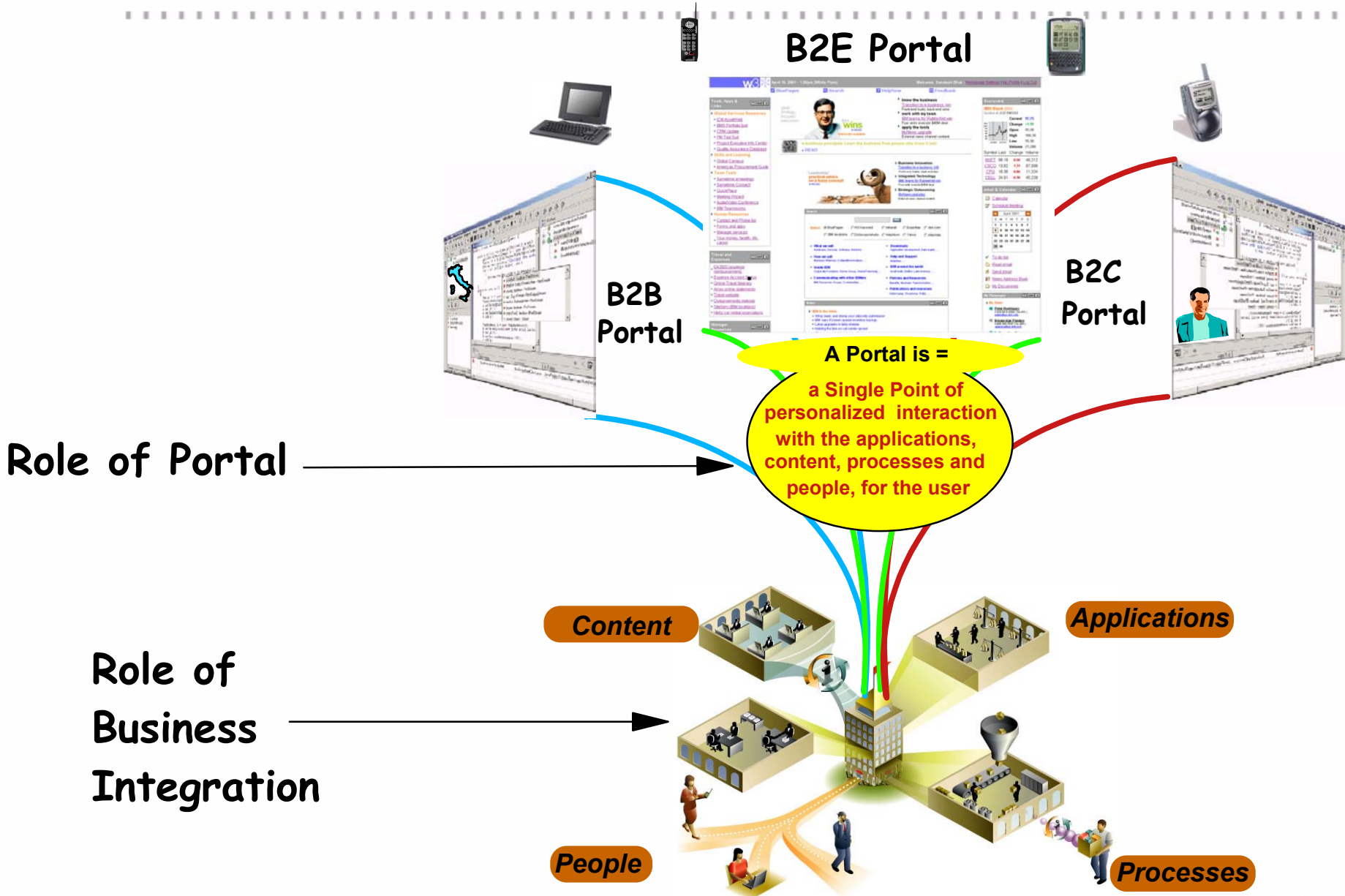
WebSphere.
Foundation & Tools

Expand business opportunities and productivity with a *World Class Infrastructure* ready for the next chapter in e-business

On-Demand Businesses

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WebSphere Portal Family

WebSphere software

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WebSphere Portal Family

B2E Portal

B2B Portal

B2C Portal

A Portal is =

a Single Point of personalized interaction with the applications, content, processes and people, for the user

Role of Portal

Role of Business Integration

Content

Applications

People

Processes

WebSphere software

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Example of Portal & Portlets

Collaboration data

Subscriber News

Monitor Usage

Your Portal

IBM Knowledge Portal - Netscape

File   Edit   View   Go   Communicator   Help

Thursday, September 28, 2000   Search: [   ] Go

My   My   My   My   Personalize (1)   Help (?)

Customer Watch

Insurance Stocks after Floyd
Insurance stocks are riding the choppy wake of Floyd.
Frontier eyes Q2 gains
Frontier Group CFO told securities analysts the 2nd quarter would exceed earnings estimates.

Customer

Date	Activity	Team	Status
08/09/00	Opportunity: Competitors poor laptop performance	Denice Broslin	Open
08/11/00	Complaint: Broken hard drive on arrival	Hans Dieterbrodt	Open
08/11/00	Opportunity: Frontier merger creates new sales team	Hiro Narita	Open
08/12/00	Opportunity: New sales demo hardware needed - CDROMs	Denice Broslin	Done
08/15/00	Opportunity: Request for information from HR	Denice Broslin	Canceled

Website Hits

M   T   W   Th   F

Ship Schedule

T600X   Qty:400   9/15/00

T600E   Qty:257   9/29/00

Current Forecast

20
15
10
5
0
Q3   Q4

Partner Requests

Dixon   New Classes on PCMCIA
               8/01/00

Martin Corp.   Need Supply of Ethernet cards by Sept. 28
               8/03/00

Johnson Inc.   Alternate supplier   of docking stations
               8/04/00

Fingerhut 1500 Thinkpads ordered for

Inventory data from ERP Application

Business partner data

Business Intelligence Reports & Analysis

WebSphere software

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Business Value of Enterprise Portal

- **Organized information**
  - ▶ Targeted, more relevant
  - ▶ Infoglut, Info-famine, etc.
- **Single sign-on**
  - ▶ Fewer passwords, better user experience
- **Common presentation**
  - ▶ Consistent user interface
  - ▶ Pervasive access
- **Unification of applications**
  - ▶ New ways of accessing old applications
  - ▶ Remove Stove Pipe Applications
- **Possible Desktop of the future**

- **Revenue benefits**
  - ▶ Hard Dollars
  - ▶ Publishing
  - ▶ Travel, etc.
- **Soft Dollars**
  - ▶ Work force productivity
  - ▶ Innovation
  - ▶ Reduced cycle times
  - ▶ Customer Loyalty - Experience
- **Cost Avoidance**
  - ▶ Deployment of new applications
  - ▶ "Rail Road" Tracks

WebSphere software

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Single Point of Access

- **Functionality**
  - Browser based - Single point of access
  - Single Sign On - Global access
  - Portlets - Windows to all major applications
  - Access - Secure, filtered access to corporate data
- **Business Value**
  - Funnel and filter to the overwhelming information
  - Make better designs when you have the right information
  - Provide a common "desktop" with the proper tools that different jobs require
  - Removing stovepipe applications and departments
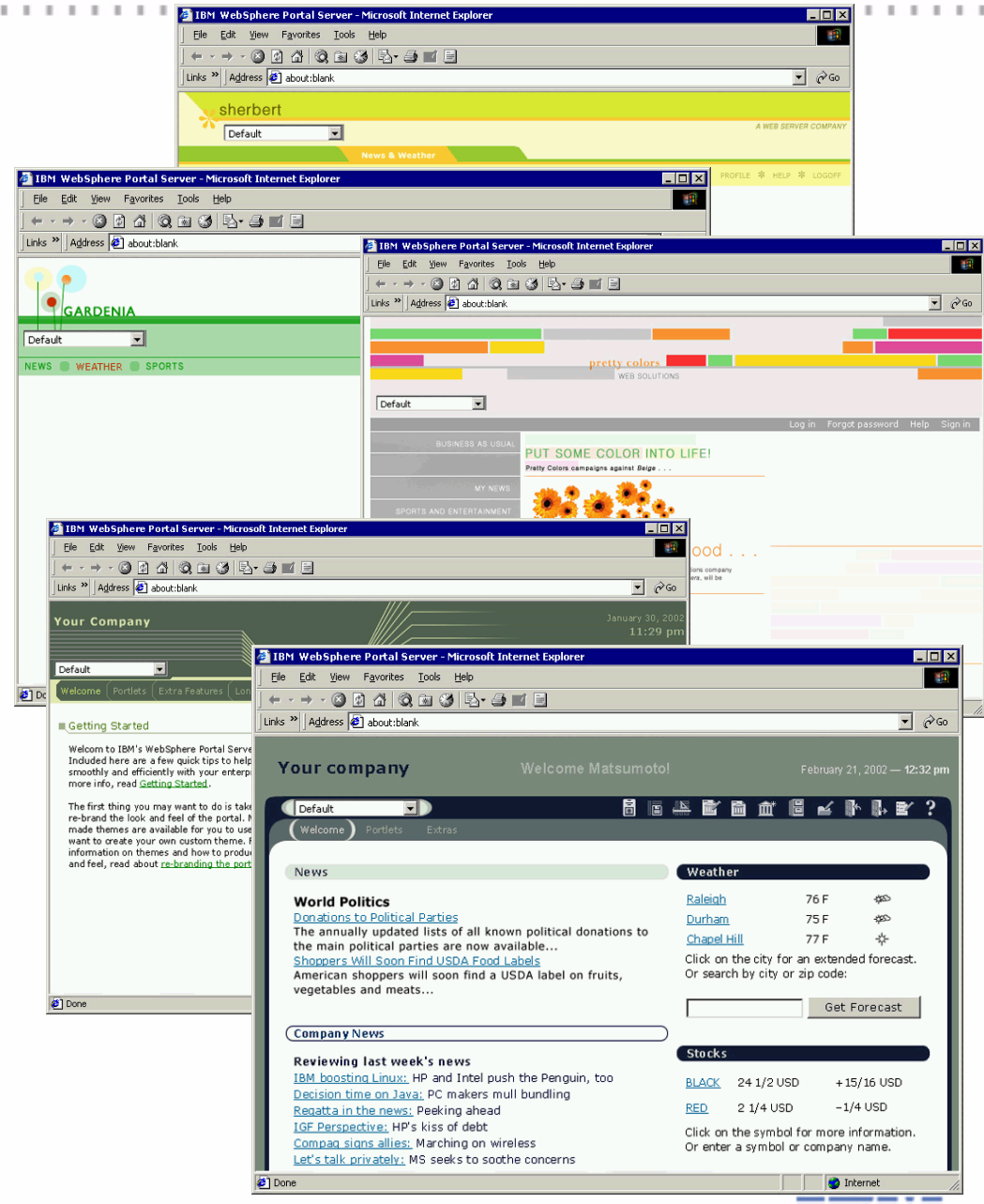 - More Effective experience

Customization

- **Functionality**
  - ► Themes - Apply an over all look and feel to your portal pages
  - ► Skins - Apply an over all look to your portlets
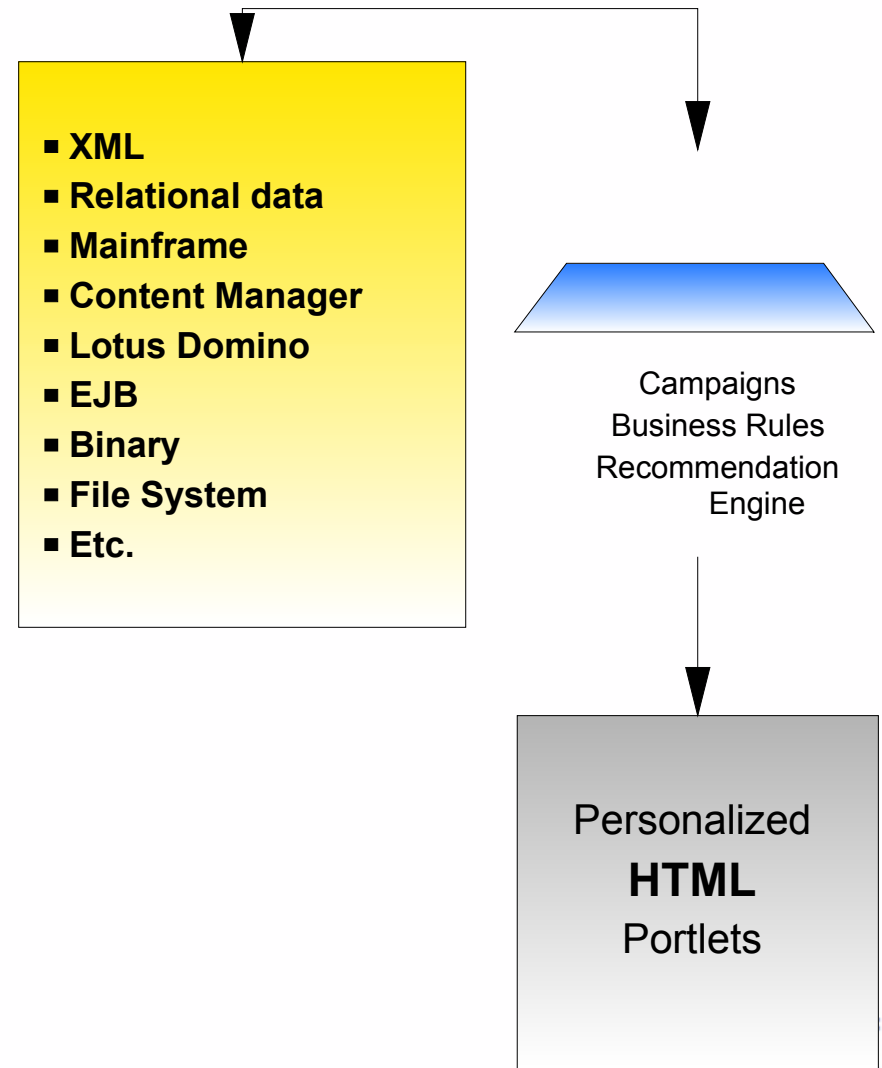 - ► Navigation Models
- **Business Value**
  - ► Create "Branded" portal and page groups for different departments and Business units.
  - ► Create "virtual" portals with in one portal infrastructure.

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Personalization

- **Functionality**
  - Personalization Engine with ability to create Rules for triggering personalized content
  - Tools - Campaigns, Business Rules, Recommendation engine
  - Translated - Enterprise data translated to HTML and personalized to HTML and portlets
  - Mail Campaigns - Provide custom mailings
- **Business Value**
  - Provide content based on profiles, job, location, business rules, etc.
  - Filter and personalize content for customers, business partners and employees
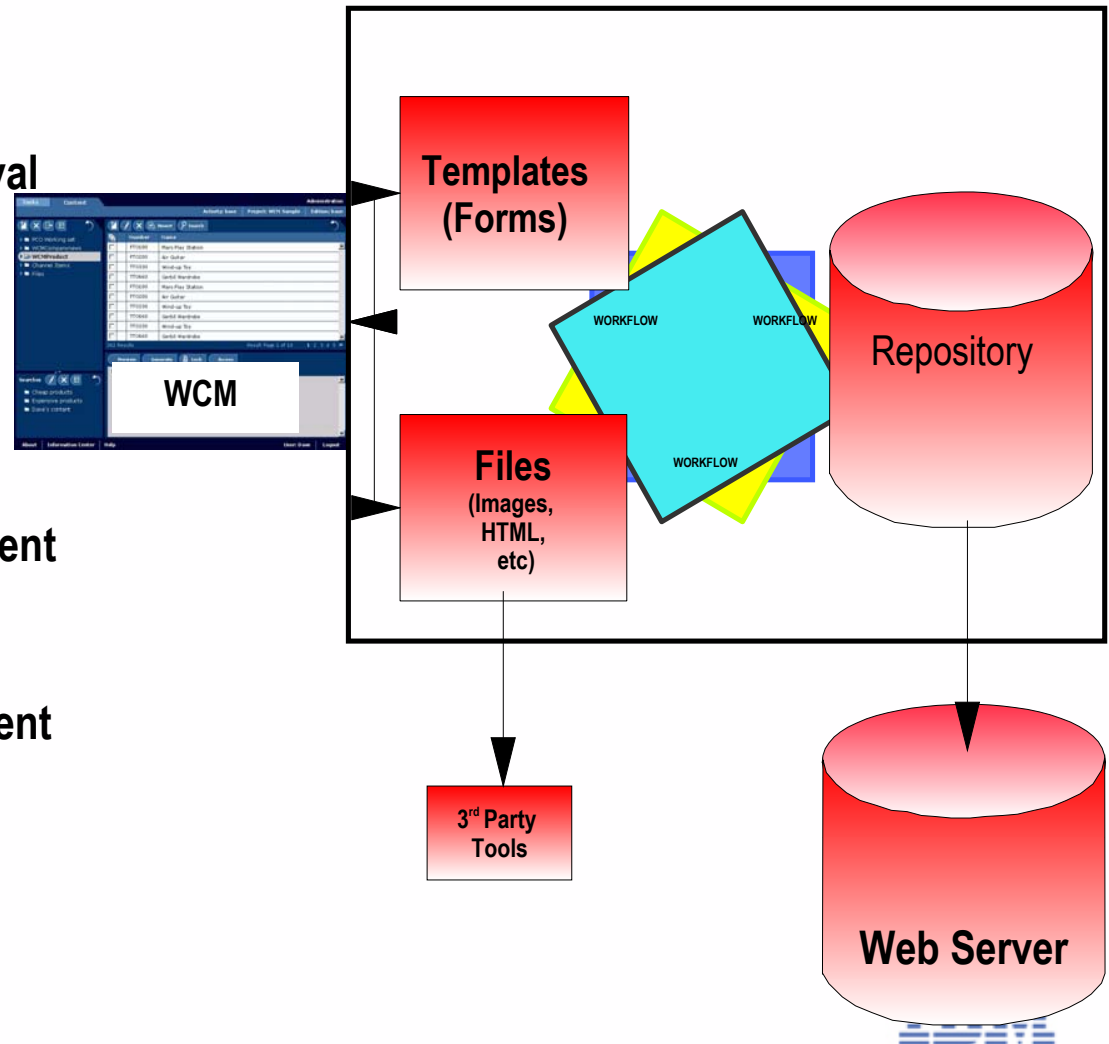 - Increase loyalty to portal / web site

- **XML**
- **Relational data**
- **Mainframe**
- **Content Manager**
- **Lotus Domino**
- **EJB**
- **Binary**
- **File System**
- **Etc.**

Campaigns
Business Rules
Recommendation
Engine

Personalized
HTML
Portlets

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Web Content Publishing

- **Functionality**
  - ▶ Web Content Publishing
  - ▶ Template based - Template based content creation
  - ▶ Integration - Integration with Industry Web Content players
  - ▶ Workflow - Workflow and approval process provided
  - ▶ Publish - Publish to portlets for review

- **Business Value**
  - ▶ Dynamic content
  - ▶ Provide out of the box Web content publishing with portal
  - ▶ Cost savings
  - ▶ Move to "Distributed" Web Content Publishing
  - ▶ Provide approval process for content

WCM

Templates (Forms)

WORKFLOW

WORKFLOW

WORKFLOW

Repository

Files
(Images, HTML, etc)

3rd Party Tools

Web Server

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Collaboration

- **Functionality**
  - ▶ Instant Messaging & Awareness - IM with team members
  - ▶ eMeetings - Via a browser, users can "white board", "Application Share" either side of firewall.
  - ▶ Shared team and community Places - Secure web based "community" to organize related tools, content, and team members.
  - ▶ Collaboration tools
    - – Project Management tools (discussions, calendars, tasks, doc libraries etc)
    - – Shared Bookmarks
    - – Collaborative Portlets

- **Business Value**
  - ▶ First portal offering that provides "Contextual Collaboration"
  - ▶ Moves away from the individual to Teams
  - ▶ Provides both "View" & "Act"
  - ▶ Higher increase in productivity
  - ▶ Hard Dollar savings

IBM Differentiator
Seamless integration
not addtl purchase or "bolt
on" software

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IBM's Portal Offerings

- Three Offerings
  - ► Pick a solution to meet your requirements
  - ► All use the same framework
  - ► CPU Based Pricing with license restrictions on some components
    - − Extensible solution
      - • WebSphere Translation server
      - • Lotus Discovery server
      - • WebSphere Commerce
    - − IBM Business Partners
      - • Over 60 ISVs and growing!
      - • BackWeb, I2, Vignette, Interwoven, Stellent, ….

Experience
- • Tivoli Policy Director (Global SSO)
- • IBM Content Manager (EIP Client)
- • Lotus Sametime (eMeetings)
- • Lotus QuickPlace (Team Spaces)

Extend
- • Lotus Places (Communities)
- • Lotus Collaborative Components
- • Federated Search Broker
- • Web Site Analyzer

Enable
- • Portal Server
- • Personalization
- • Web Content Publishing
- • Search Engine
- • WebSphere Studio
- • WS Application Server

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Announcing WebSphere Portal Server Enable V4.1 for iSeries

★ **Quickly build scalable portals to simplify and speed your access to personalized information and applications**

★ **Access to enterprise data, external newsfeeds or even your trading partners' applications**

★ **WPS Enable 4.1 priced at $72K/per cpu**

★ **No sub-capacity pricing available**

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Summary

- **Most "Complete" portal offering on the market**
  - ► Portal - Personalization - WCP - Collaboration - Security -etc....
- **Business Partners - Market Momentum**
  - ► Providing a lot of value to family of offerings
- **Leadership role in development and deployment of Open Standards**
- **Larger "eWorkplace" eBusiness Strategy**
- **Leadership role in fundamental areas of infrastructure (Magic Quadrants)**
  - ► Web Services
  - ► Portal
  - ► KM / Collaboration
  - ► Infrastructure / Middleware
- **Result = Significant Business Value for your e-Business**
  - ► Increased employee productivity
  - ► Improved customer loyalty
  - ► Lower cost of portal deployment

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Your Feedback and Q&As

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Additional Information

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WebSphere Application Server - Express Runtime Specifications

Included:

Web container
JSP processor
Server-side JavaScript (Bean Scripting Framework)
WebSphere Common Control Model libraries
XML parser
XSL processor
Web Services - SOAP client API onl
Security runtime (Simple WebSphere Authentication, local OS authorization -- no LDAP or custom registry support)
RAS subsystem
HTTP session support -- in-memory session support
J2EE API libraries
Internal web server
JVM 1.3.1
Simplified default server config
Connection Manager
JDBC providers
Debug libraries
Installs as Windows service (Windows platforms only)
HTTP web admin console extensions (iSeries only)
Web Server plug-in's - IBM HTTP for iSeries server, Domino for iSeries server (iSeries only)

Excluded:

(From base WebSphere Application Server V5)
EJB container
Java messaging support / JMS providers
J2EE transaction support
J2C resource adapters
J2EE Application Client
ACE support
Work Load Management (WLM)
Performance monitoring infrastructure (PMI)
Localizable text
Dynacache
Data Replication Service (DRS)
XML grammar library
Client Container Resource Config Tool (CCRCT)
Mail providers
URL providers
Resource Environment provider
Application Assembly Tool (function provided by WSSD)
Deploy Tool (provided by WSSD)
WAS runtime samples (alternate samples provided)
IBM HTTP Server (external)
Web server plug-ins (IBM HTTP Server, IIS, Apache, iPlanet)

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WebSphere Application Server - Express Administrative Capabilities

Included:

Browser-based admin interface (iSeries only)
Create server instance
Create server configuration
Start server
Stop server
Start server in debug mode
Publish to server
Restart application
Set classpath entries for server
Pass arguments and system properties when starting server
Configure mime types
Enable/disable session manager, URL rewrite, cookies
Configure data sources
Configure ports
SSL configuration
Configure the deployment descriptor for an application:
Servlet configuration
Security roles
Environment variables
Specify start page
Specify error page
Set context parameters
Set mime types

Excluded:

 (From base WebSphere Application Server V5)
Browser-based admin interface (Intel only)
Trace level configuration
Trace analysis
Analysis logger support (Site Analyzer components)
Resource Analyzer
Tivoli Performance Manager
Performance monitoring

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Where to find other information?

- WebSphere Portal Family Sites:

- Home Page   http://www.ibm.com/software/webservers/portal/
- Portlet Catalog   http://www.ibm.com/software/webservers/portal/portlets
- Developers Home Page
  http://www.developer.ibm.com/welcome/websphere/wps/index.html
- Portal News
  news://news.software.ibm.com/ibm.software.websphere.portal-server

- WebSphere Host Integration Sites:

- Home Page   http://ibm.com/software/webservers/hostintegration
- Portlet Demos   http://websphere.dfw.ibm.com/whidemo/
- Library
  http://www.ibm.com/software/webservers/hostintegration/library.html

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