

Michigan iSeries Users Group

The IBM WebSphere Brand and the e-server iSeries



Go the Distance

Below the "Go the Distance" slogan, there are five small circles arranged horizontally. The first four circles are light blue, and the fifth circle on the right is a darker blue.



Agenda

- Introductions and Sirius Computer Solutions Overview
- The IBM Software Strategy
- The WebSphere Brand – Product Overviews
 - Business Integration – (integrate and extend)
 - Foundation and Tools – (leverage the web)
 - Reach and User Experience – (customer loyalty)
- WebSphere product availability on iSeries
- Host Transformation Products - Comparison
- WebSphere Application Server on iSeries – Deep Dive
- Questions



Presenters

- Larry Milkovic
Software Product Specialist – Sirius Computer Solutions
Larry.milkovic@siriuscom.com
630-395-512
- Derwin Harris
Application Developer – Sirius Computer Solutions
Derwin.harris@siriuscom.com
503-430-6319

State of Michigan account management team

- | | |
|--|---|
| • Bruce Johnson Account Executive 248-344-9521 bruce.johnson@siriuscom.com | Gary Ackland Account Executive 248 344 9520 gary.ackland@siriuscom.com |
|--|---|



Sirius Computer Solutions

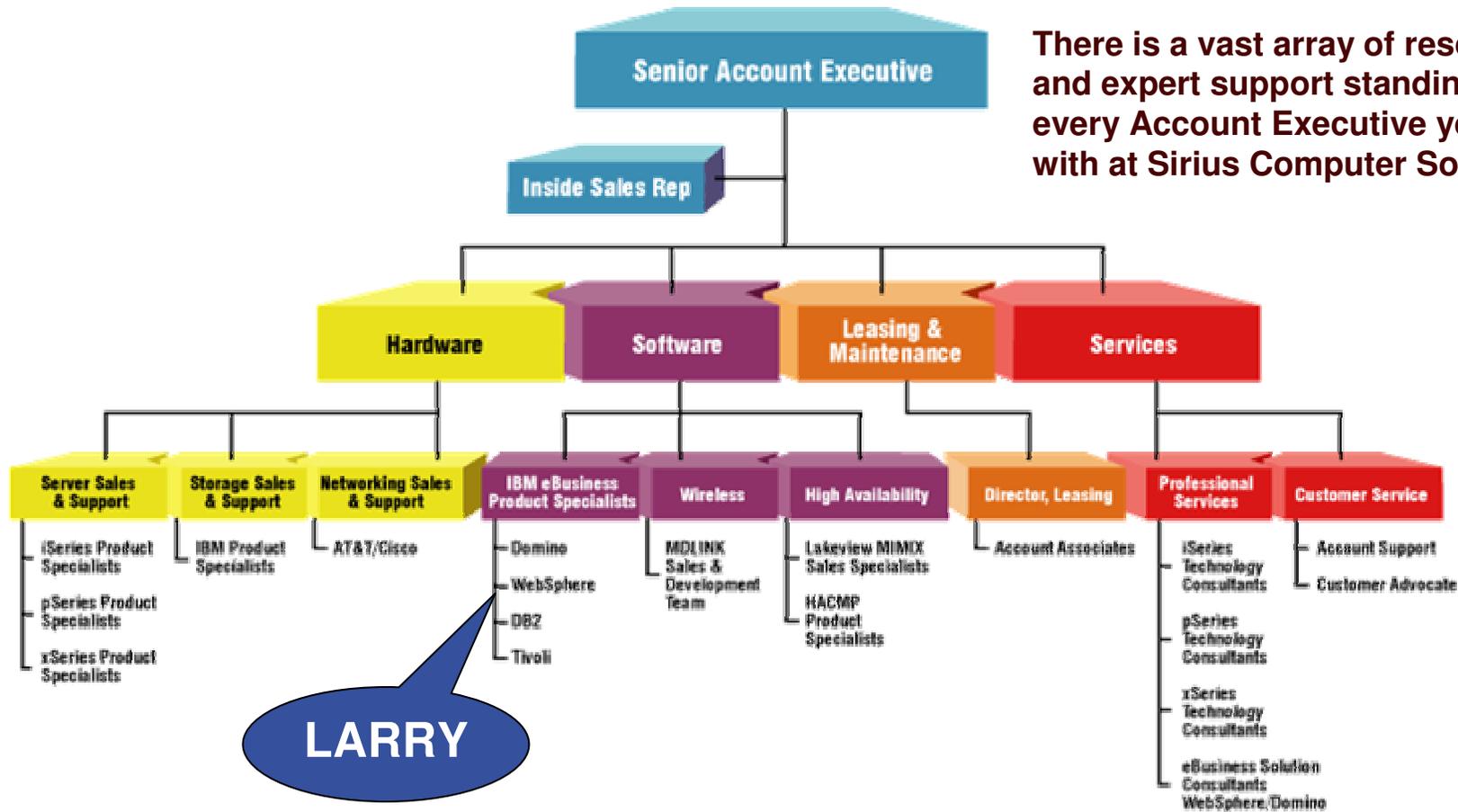
- Premier IBM Business Partner with over 2 decades of service
- Provider of advanced infrastructure solutions
- National Coverage with offices in over 35 cities
- IBM's Largest Midrange eServer reseller in the world
- IBM's Largest iSeries solution provider in the world
- IBM's Largest provider of IGF leasing
- Dedicated Infrastructure and Solution Services Team
- Strategic ISV relationships
- Recent Awards
 - IBM Lifetime Achievement Award – Harvey Najim & Joe Mertens
 - IBM Leadership Award 1998, 1999, 2000, 2001, 2002
 - 2002 Beacon Award for the top NA IBM Software Partner
 - IBM Storage Systems Group – Outstanding Business Excellence
 - IBM Global Services Sales Leader

DID I MENTION SIRIUS HAS TWO STORAGE SOLUTION CENTERS & A WIC CENTER?



The Sirius Advantage

There is a vast array of resources and expert support standing behind every Account Executive you work with at Sirius Computer Solutions.



IBM Software Strategy

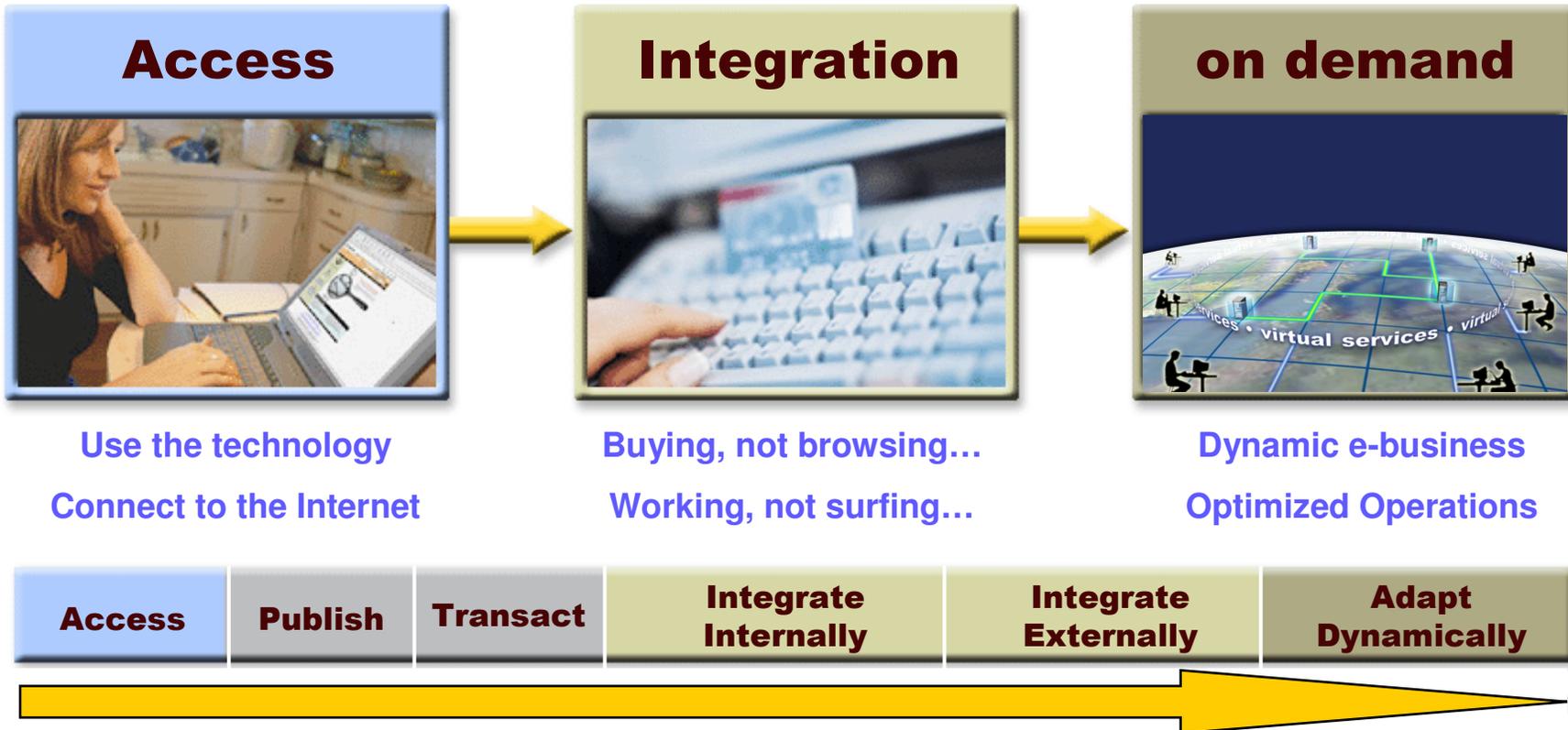


- business on demand

Go the Distance

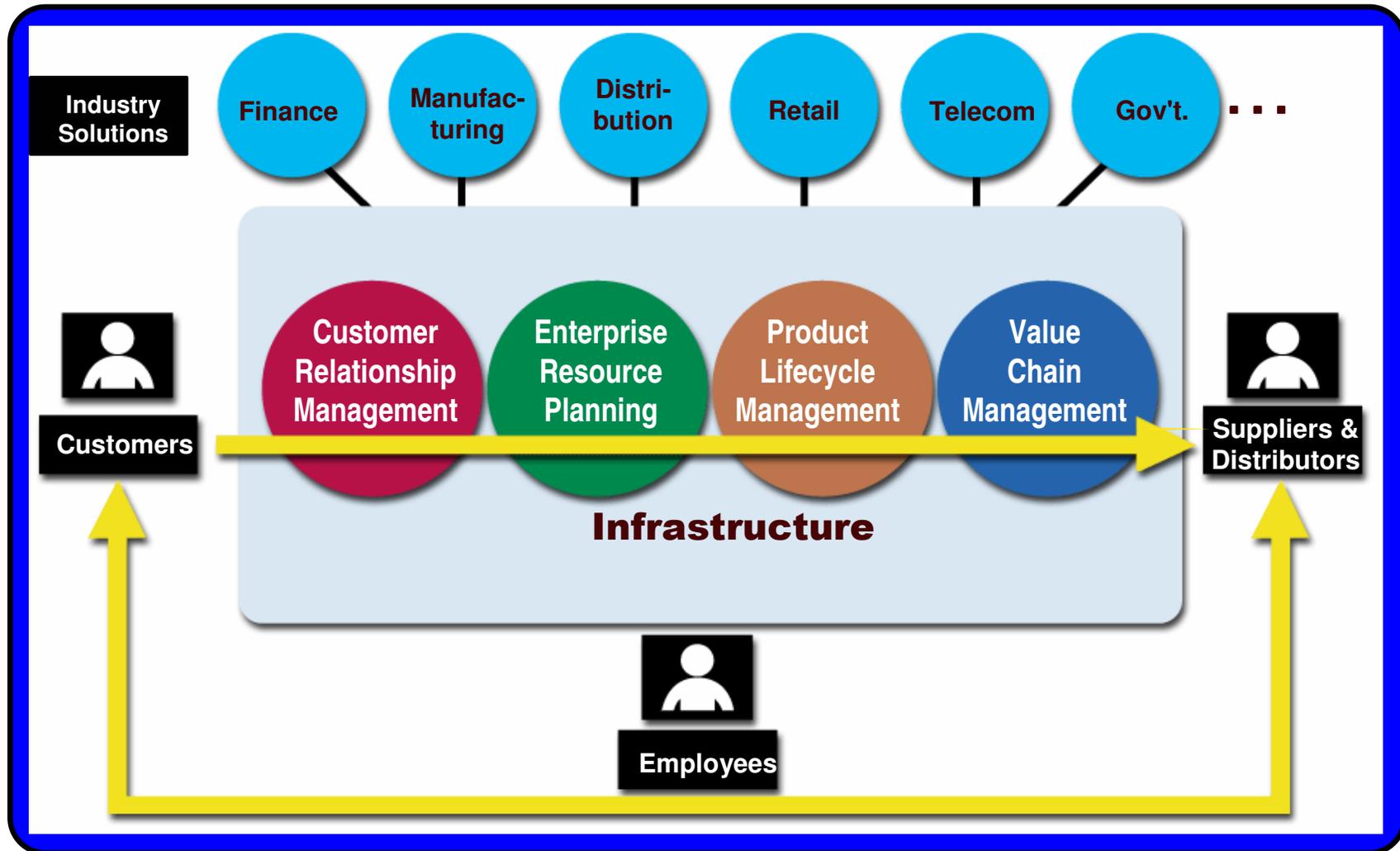


Stages of e-business Adoption



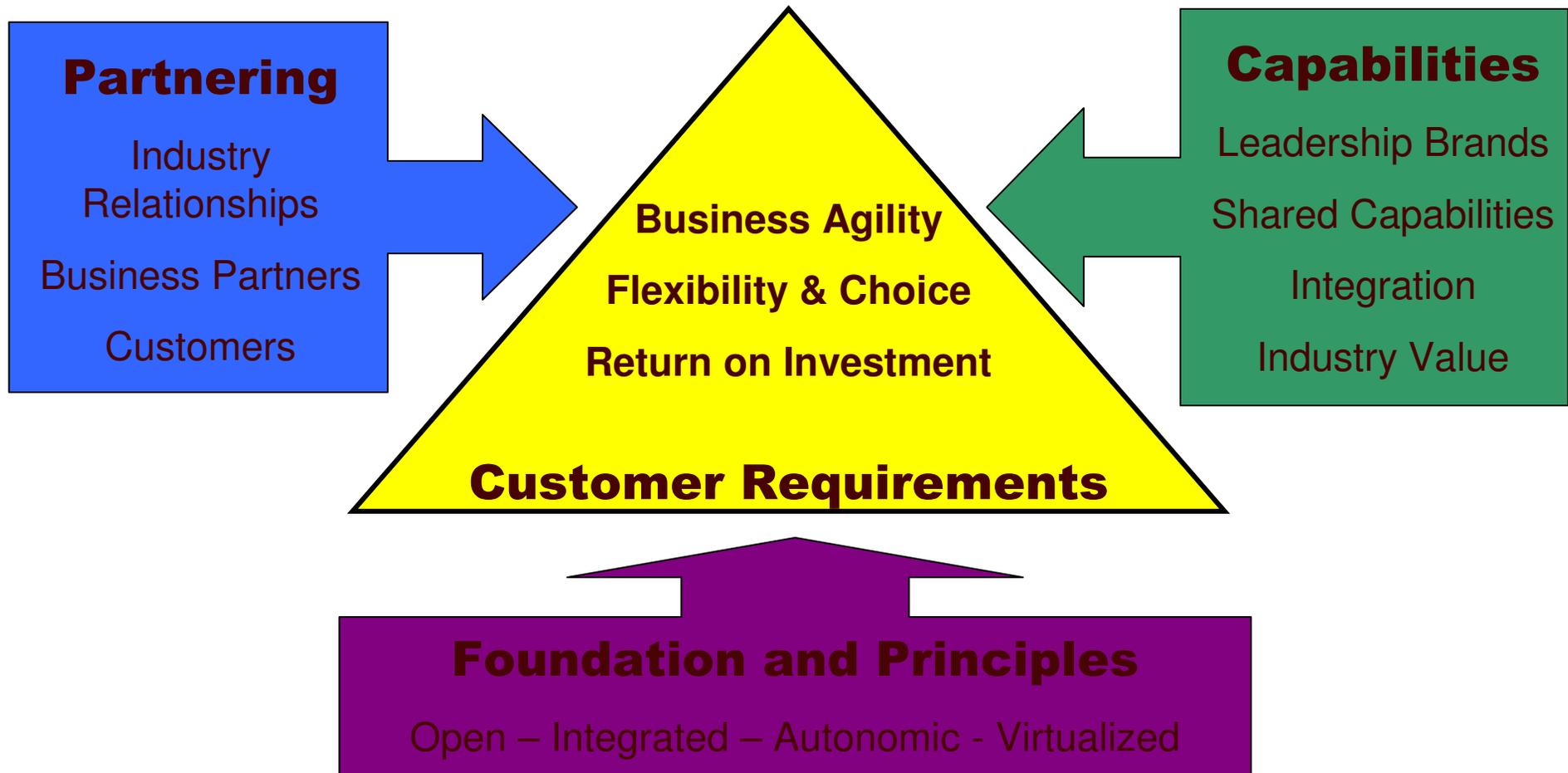
An on demand business is an enterprise whose business processes, integrated end-to-end across the company and with key partners, suppliers and customers can respond with speed to any customer demand, market opportunity or external threat.

Integration from Demand to Delivery



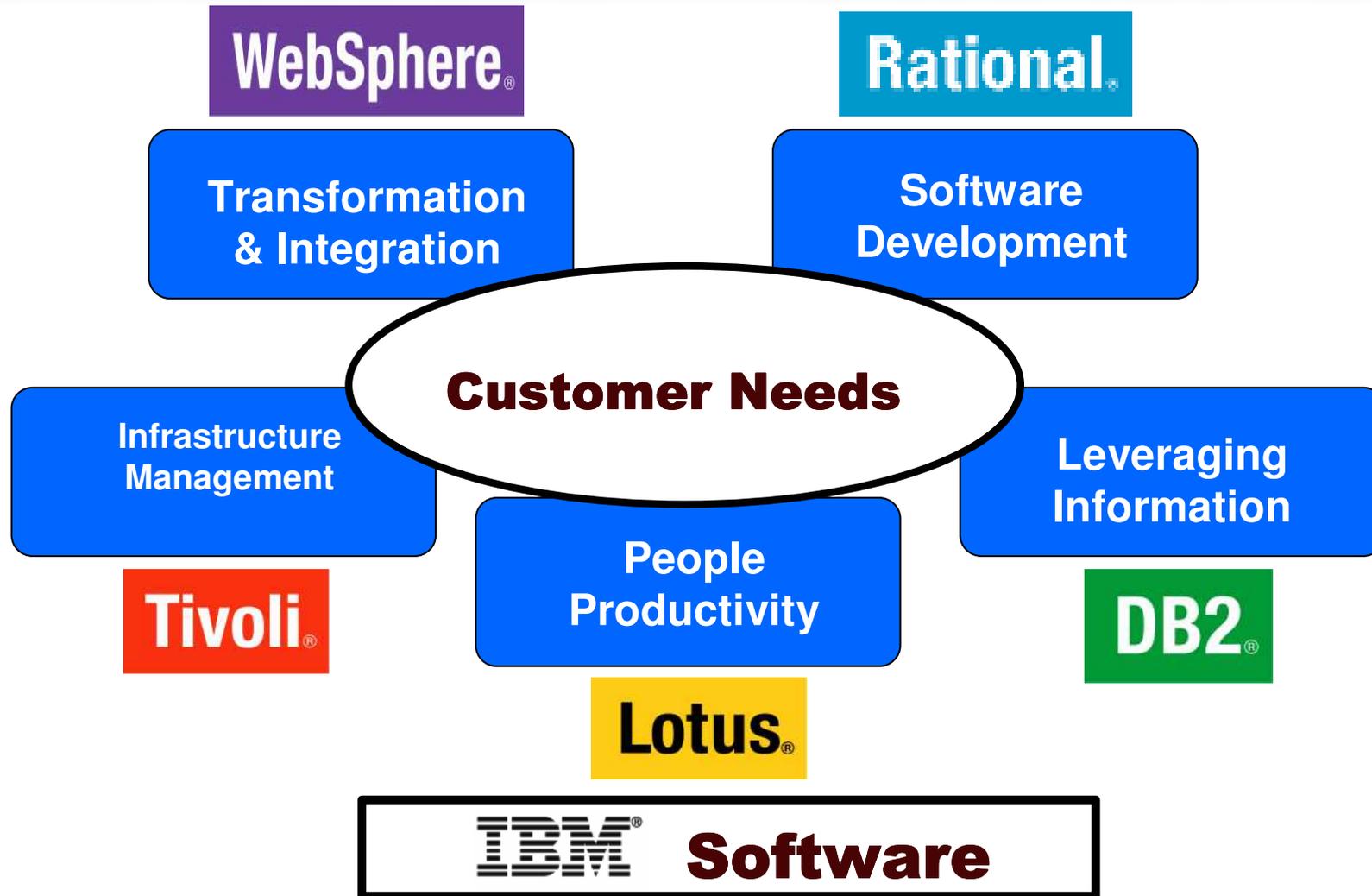
Integration Beyond the Enterprise

IBM Software Strategy





Leadership Products

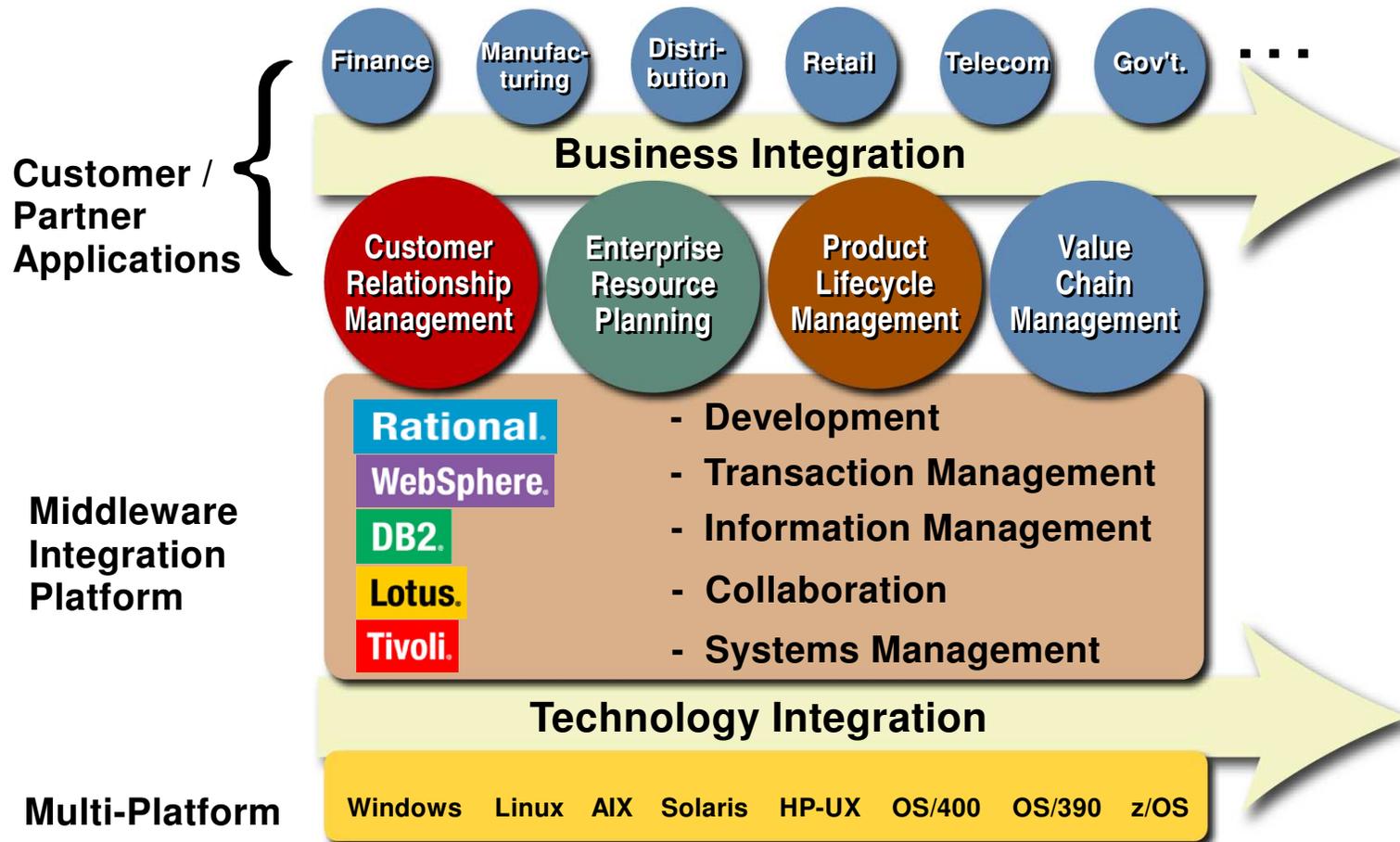


Scalable - Modular - Flexible - Standards Based - Reliable

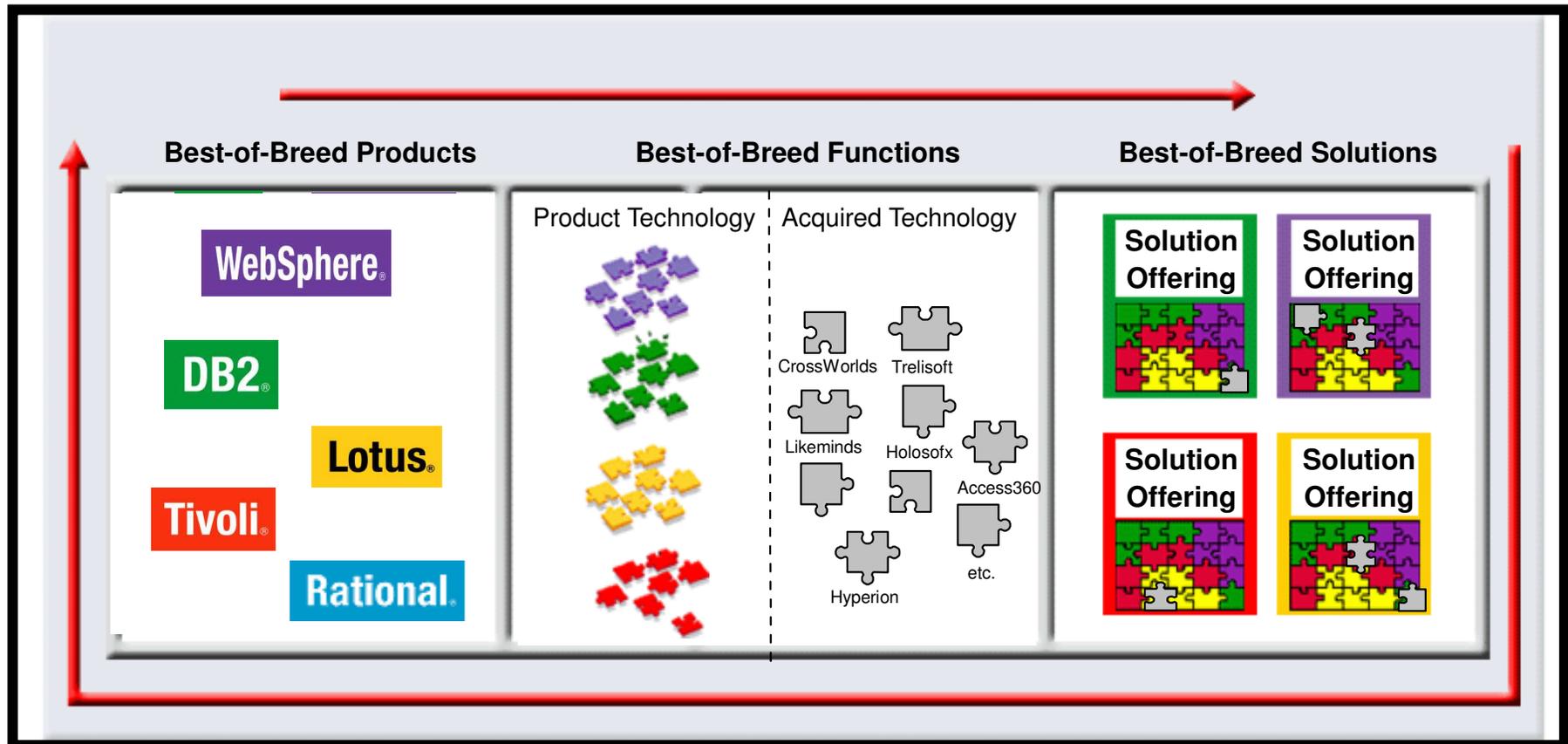


IBM = Infrastructure Software

IBM Middleware Integrates e-business

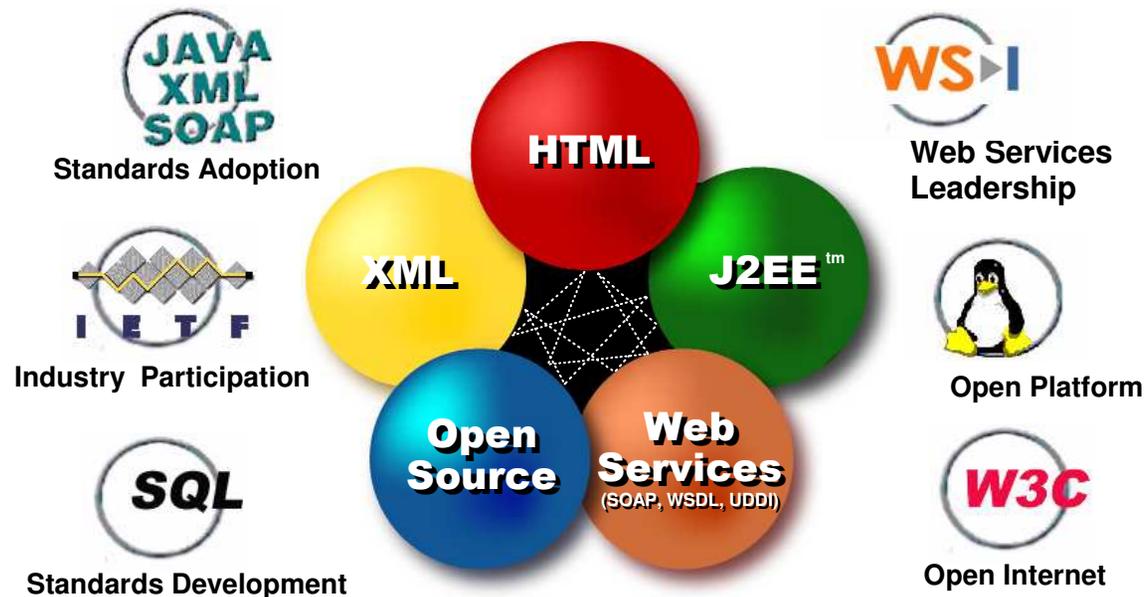


Shared Components



Built On Open Standards

Open standards provide a way for those who are responsible for technology decisions to predict a certain level of functionality and interoperability from vendors they consider.



Windows Linux AIX Solaris HP-UX OS/400 OS/390 z/OS

- Business Value

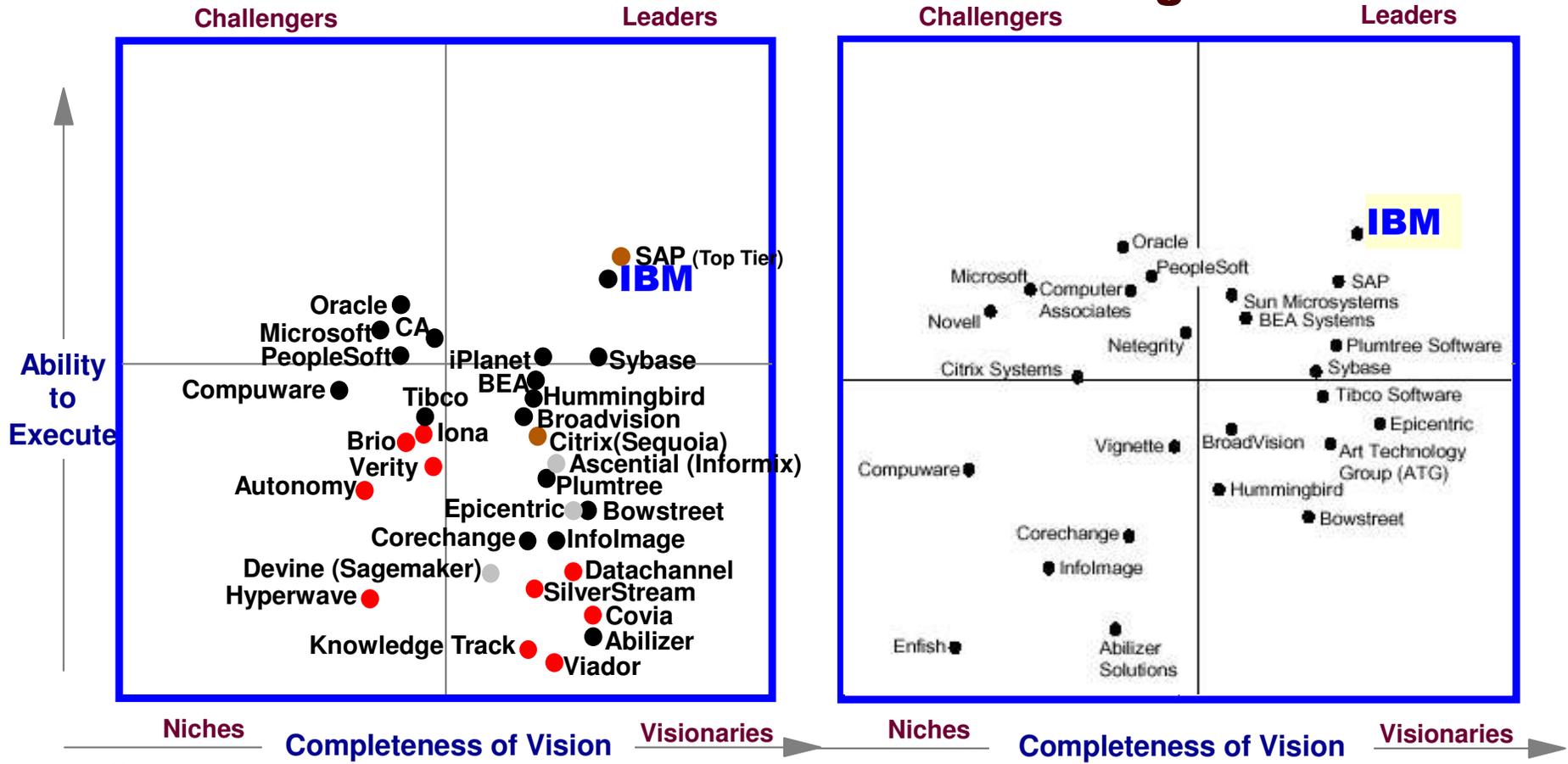
- ▶ Choice and investment protection
- ▶ Easier to integrate with existing systems



IBM - Leading the Market

Gartner:

2H01 vs. 2H02 Horizontal Portal Products Magic Quadrant



Source:
Gartner
Research
July 2001

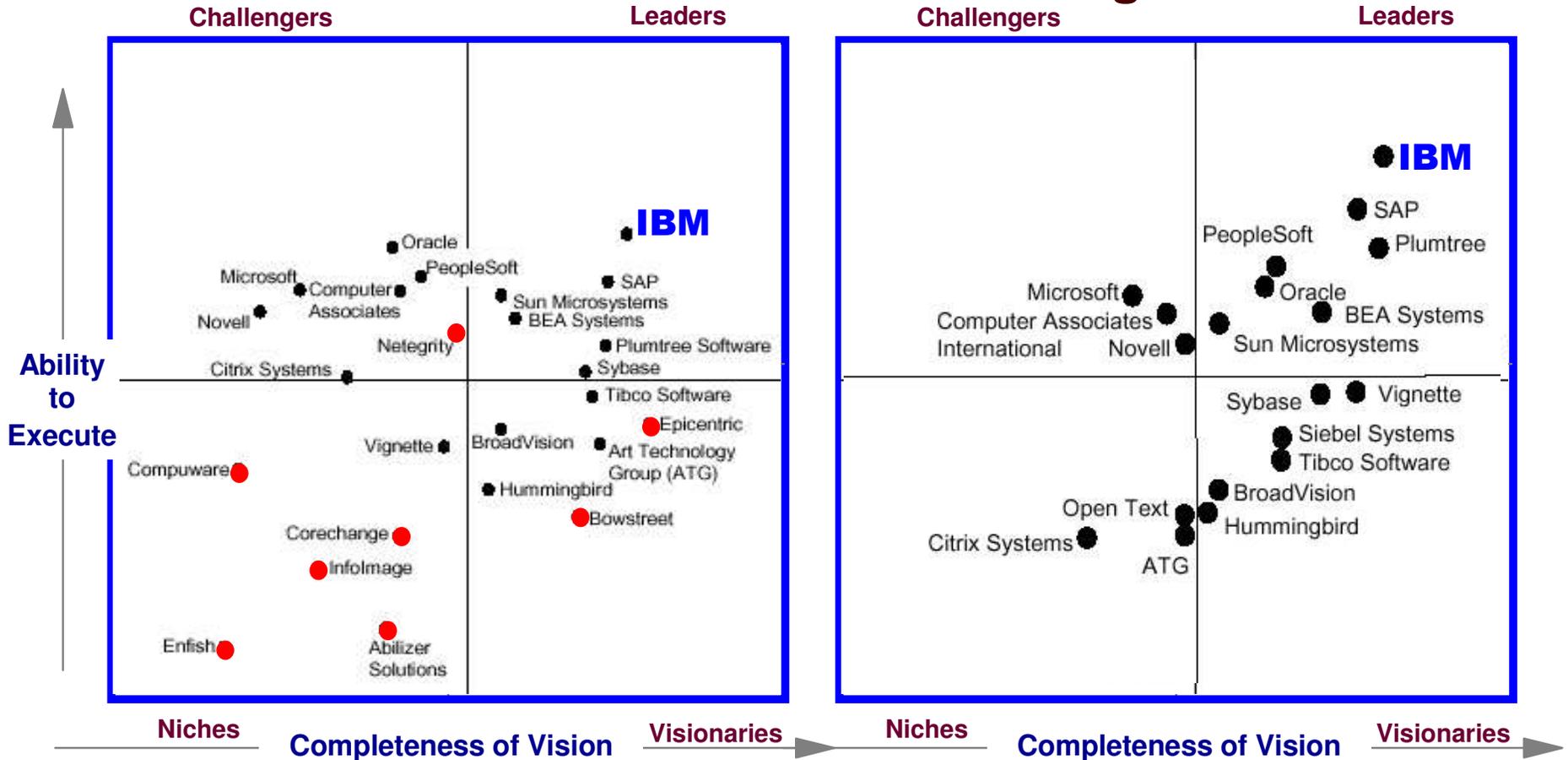
Source:
Gartner
Research
April 2002





IBM – A Long-Term Strategy

Gartner: 2H02 vs. 1H03 Horizontal Portal Products Magic Quadrant



Source:
Gartner
Research
April 2002

Sirius Computer Solutions Confidential

Source:
Gartner
Research
March 2003





The IBM Software Portfolio

| Software Development | e-business Integration | Integrated Information Infrastructure | Human Productivity | Business Impact Management | | | |
|---|---|--|---|---|---------------|---------------|-------------|
| <p>Rational software</p> <p>Requirements & Analysis</p> <ul style="list-style-type: none"> •Rational Suite AnalystStudio •Rational RequisitePro •Rational Rose Family •Rational XDE Family <p>Visual Modeling & Devel.</p> <ul style="list-style-type: none"> •Rational Suite DevelopmentStudio •Rational Rose Family •Rational XDE Family •Rational PurifyPlus Family: <ul style="list-style-type: none"> ✓Rational Purify ✓Rational Quantify ✓Rational PureCoverage <p>Automated Testing</p> <ul style="list-style-type: none"> •Rational Suite TestStudio •Rational Robot •Rational TeamTest •Rational PurifyPlus •Rational TestManager •Rational Test RealTime •Rational ClearQuest <p>Team Unifying Platform:</p> <ul style="list-style-type: none"> •Project Management <ul style="list-style-type: none"> ✓Rational RequisitePro ✓Rational ProjectConsole ✓Rational Unified Process ✓Rational soDA ✓Rational TestManager •Software Configuration Mgmt <ul style="list-style-type: none"> ✓Rational ClearCase Family ✓Rational ClearQuest Family | <p>WebSphere software</p> <p>Foundation and Tools</p> <ul style="list-style-type: none"> •WebSphere Application Server •WebSphere Edge Server •IBM VisualAge •WebSphere Studio (Family) •WebSphere Business Components Composer •WebSphere Host Integration (Family) •IBM Fault Analyzer •IBM File Manager •IBM Application Monitor •IBM Debug Tool <p>Reach and User Experience</p> <ul style="list-style-type: none"> •WebSphere Portal Server •WebSphere MQ Everyplace •WebSphere Transcoding Publisher •WebSphere Commerce Suite •WebSphere Voice Server •WebSphere Personalization •WebSphere Everyplace <p>Business Integration</p> <ul style="list-style-type: none"> •WebSphere Business Integration •IBM CrossWorlds Interchange Server •WebSphere MQ •WebSphere MQ Integrator Broker •WebSphere MQ Workflow •WebSphere Event Broker •WebSphere Data Interchange Server •WebSphere Business Connection •WebSphere Bus. Integration Adapters •Crossworlds Extender for Siebel •Holosofx | <p>DB2 Information Management Software</p> <p>Database and Tools</p> <ul style="list-style-type: none"> •DB2 Universal Database •DB2 for zOS & OS/390 •Informix Dynamic Server (IDS) •Informix DataBlades •Informix 4GL •DataJoiner •DataPropagator •DB2 DataPropagator •DB2 Tools •IMS DB/DC •IMS Tools for OS/390 <p>Business Intelligence</p> <ul style="list-style-type: none"> •DB2 OLAP Server •DB2 Intelligent Miner for Data •DB2 Intelligent Miner for Text •DB2 Intelligent Mining Scoring •DB2 Warehouse Manager •Query Management Facility •Informix XPS •Red Brick Warehouse <p>Content Management</p> <ul style="list-style-type: none"> •IBM Content Manager <ul style="list-style-type: none"> ✓On-Demand ✓CommonStore ✓VideoCharger •IBM Enterprise Information Portal | <p>Lotus software</p> <p>Messaging and Wireless</p> <ul style="list-style-type: none"> •Domino •Notes Family: <ul style="list-style-type: none"> ✓Notes ✓iNotes ✓Mobile Notes •Domino Everyplace Access •Domino Everyplace Enterprise <p>Advanced Collaboration</p> <ul style="list-style-type: none"> •WebSphere Portal Server <ul style="list-style-type: none"> ✓Lotus Collaboration components •Lotus Discovery Server •Domino Extended Search •QuickPlace •Sametime •Lotus Workflow •Domino.Doc <p>eLearning</p> <ul style="list-style-type: none"> •Lotus LearningSpace •Lotus LearningSpace Forum | <p>Tivoli software</p> <p>Configuration & Operations</p> <ul style="list-style-type: none"> •Tivoli Configuration Manager •Tivoli Workload Scheduler •Tivoli Remote Control •Tivoli Data Exchange <p>Performance & Availability</p> <ul style="list-style-type: none"> •Tivoli Service Level Advisor •Tivoli Web Site Analyzer •Tivoli Business Systems Manager •Tivoli Enterprise Console •Tivoli Tivoli NetView Switch Analyzer •Tivoli NetView for TCP/IP Performance •Tivoli NetView Performance Monitor •Tivoli Monitoring <p>Security</p> <ul style="list-style-type: none"> •Tivoli Identity Manager •Tivoli Access Manager •Tivoli Risk Manager •Tivoli Privacy Manager •Tivoli Intrusion Manager <p>Storage</p> <ul style="list-style-type: none"> •Tivoli Storage Manager •Tivoli Storage Manager for SAN •Tivoli Storage Resource Manager •Tivoli SANergy •Tivoli Storage Manager for Mail •Tivoli Storage Manager for Hardware •Tivoli Storage Manager for Database •Tivoli Storage Manager for Applications •TSM for Space Manager •Tivoli Storage Network Manager | | | |
| Windows | Linux | AIX | Solaris | HP-UX | OS/400 | OS/390 | z/OS |

MWV Apr 11,2003

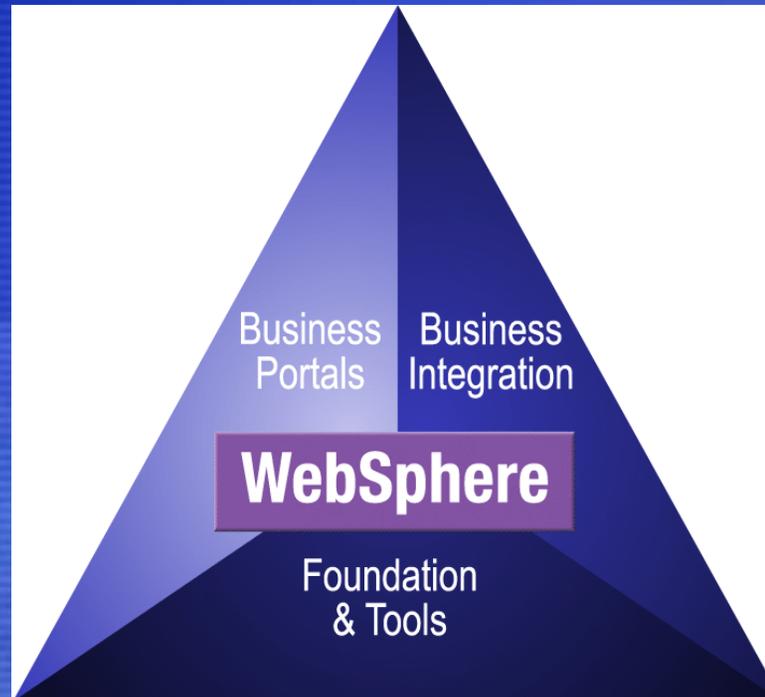


The WebSphere Brand

The leading software platform for e-business on demand

Strengthen Relationships

Enhance customer, partner, employee and supplier user experiences for optimal satisfaction



Optimize Operations

Integrate applications & automate business processes for operational efficiency and business flexibility

Reduce Business Risk

Rely upon a high-quality foundation to rapidly build & deploy applications for high-performance e-business on demand

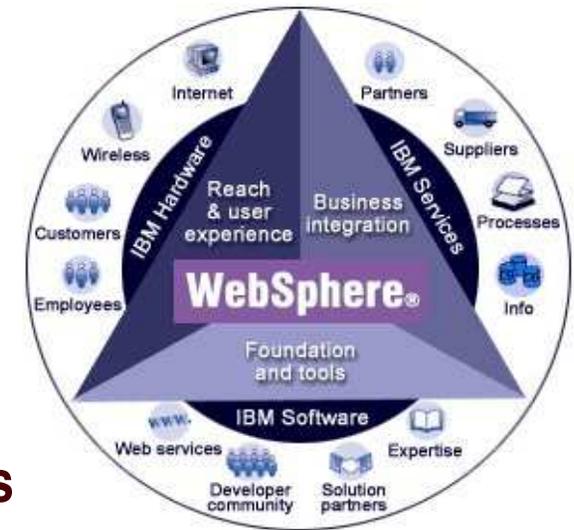
Go the Distance



The WebSphere Platform

A J2EE Platform Architecture

- Provides access to information across a spectrum of users, devices, and customization options
- Integrates and automates business processes
- Builds, connects, and manages applications



WebSphere Application Server
 WebSphere MQ Series
 WebSphere Portal Server
 WebSphere Transcoding Publisher
 WebSphere Edge Server
 WebSphere Everyplace Access

WebSphere Translation Server
 WebSphere Business Integrator
 WebSphere Voice Server
 WebSphere Studio
 WebSphere Host-on-Demand
 WebSphere Commerce Suite...



Top Java Products Honored Java Pro JavaOne, June 11, 2003

JAVAPRO

2003 Java Pro Readers Choice Awards Winners

★ Best Java Enterprise Portal Technology

IBM: WebSphere Portal

"WebSphere Portal helps improve employee productivity and strengthen relationships with customers and trading partners by allowing users to interact in a personalized way with dynamic information, applications, processes, and people."

★ Best Java Messaging Tool

IBM: MQSeries

"WebSphere MQ business integration software connects business software to form one enterprise by providing an open, scalable messaging backbone, integrating resources and applications and enabling companies to the changing demands of e-business."

★ Best Enterprise Application Integration Technology

IBM: WebSphere Studio Application Developer, Integration Edition

"WebSphere Studio Integration Edition provides J2EE developers and application integration specialists with an integrated development environment for building and deploying J2EE applications."

★ Best Team Development Tool

IBM: WebSphere Studio Application Developer

"IBM WebSphere Studio Application Developer helps optimize and simplify development by offering best practices, templates, code generation, and a comprehensive development environment."

★ Best Web Services Management Tool

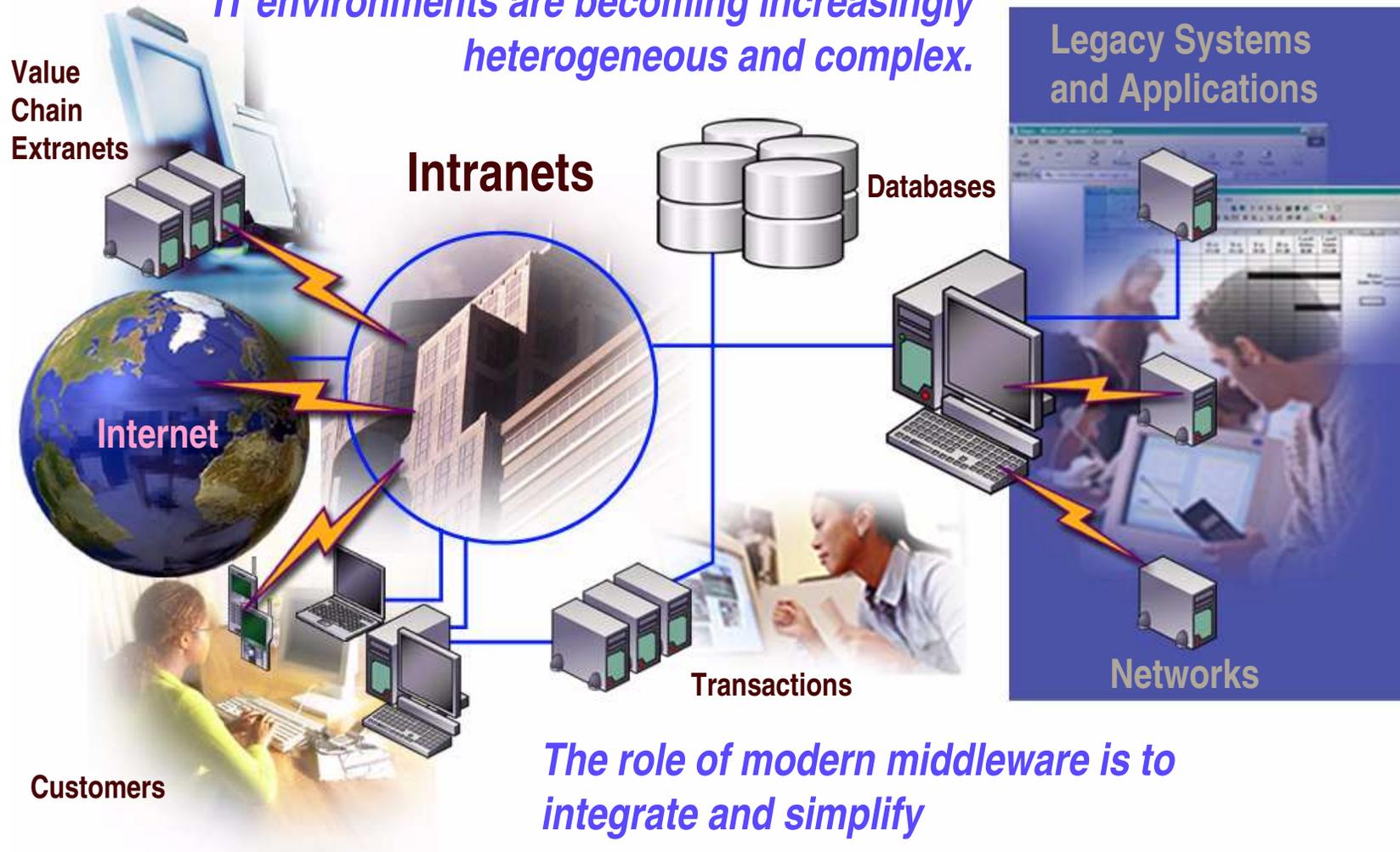
IBM: WebSphere Studio Site Developer

"Based on Eclipse technology, this development environment allows developers to build, test, and maintain dynamic Web sites, applications, and Web services on both Windows and Linux."



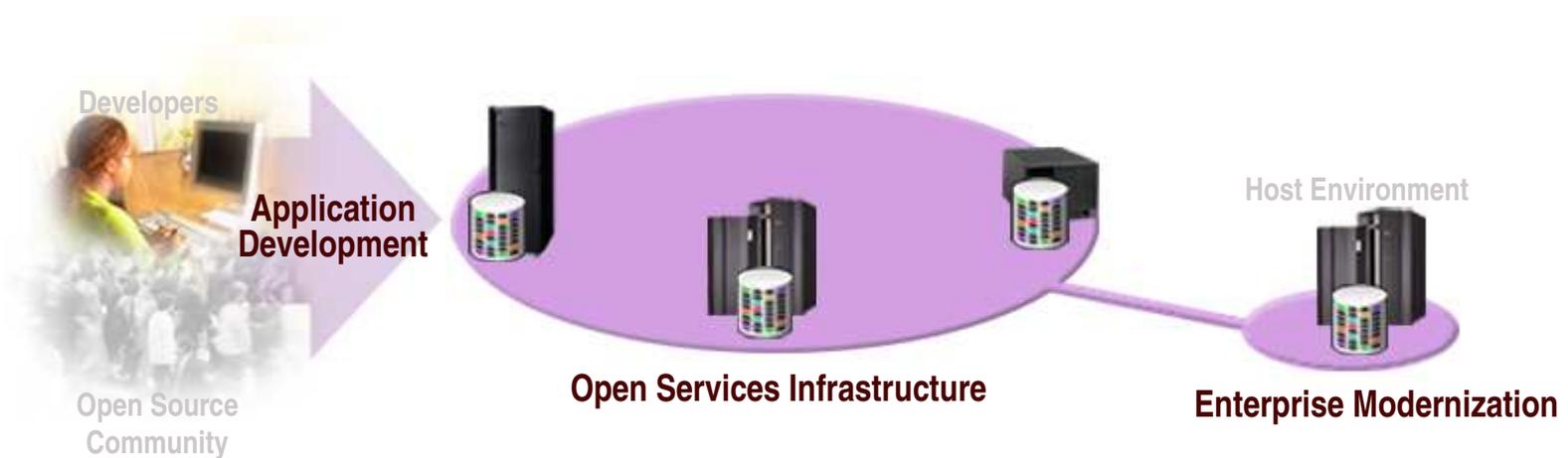
Today's IT Environment

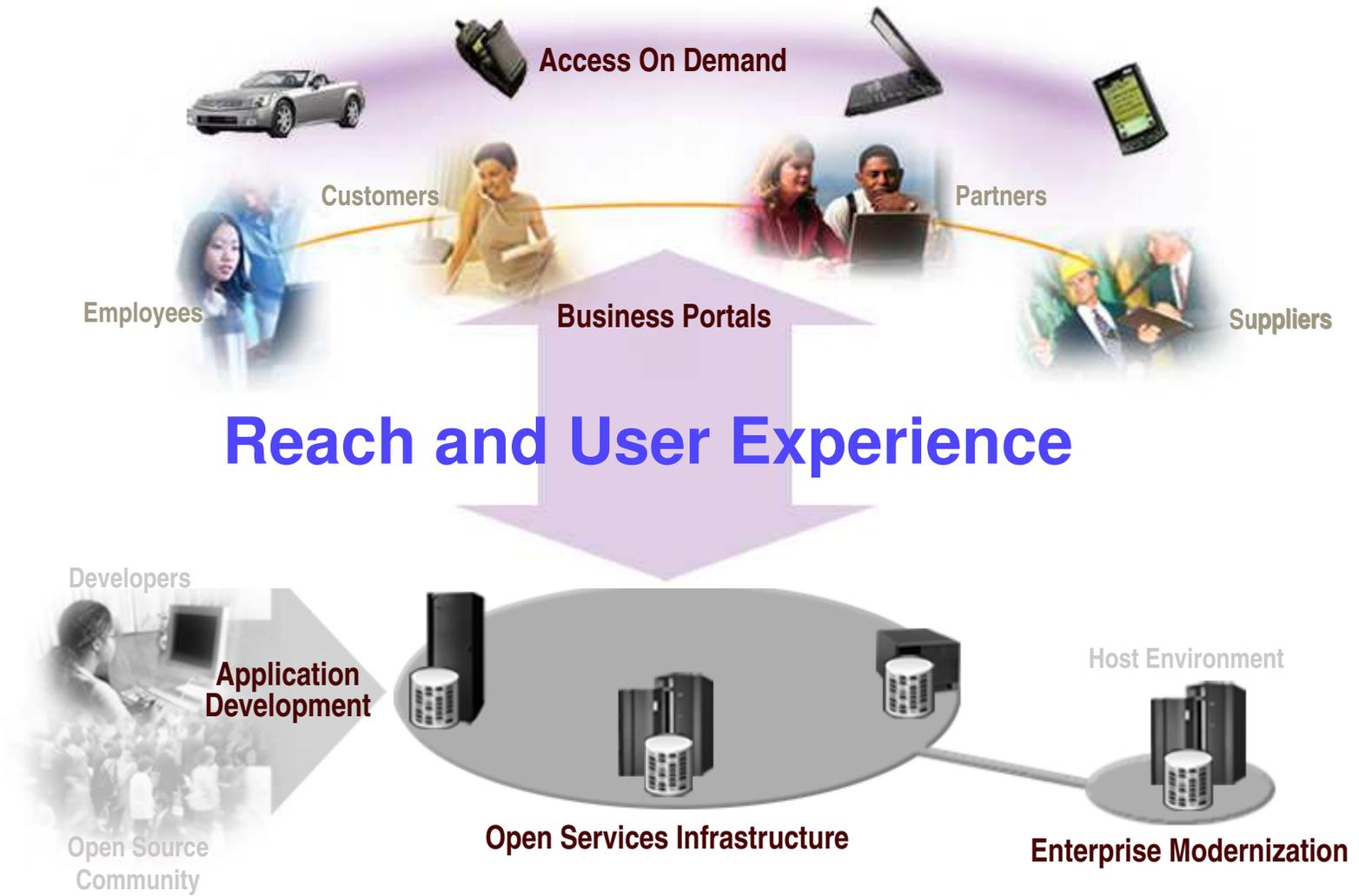
IT environments are becoming increasingly heterogeneous and complex.



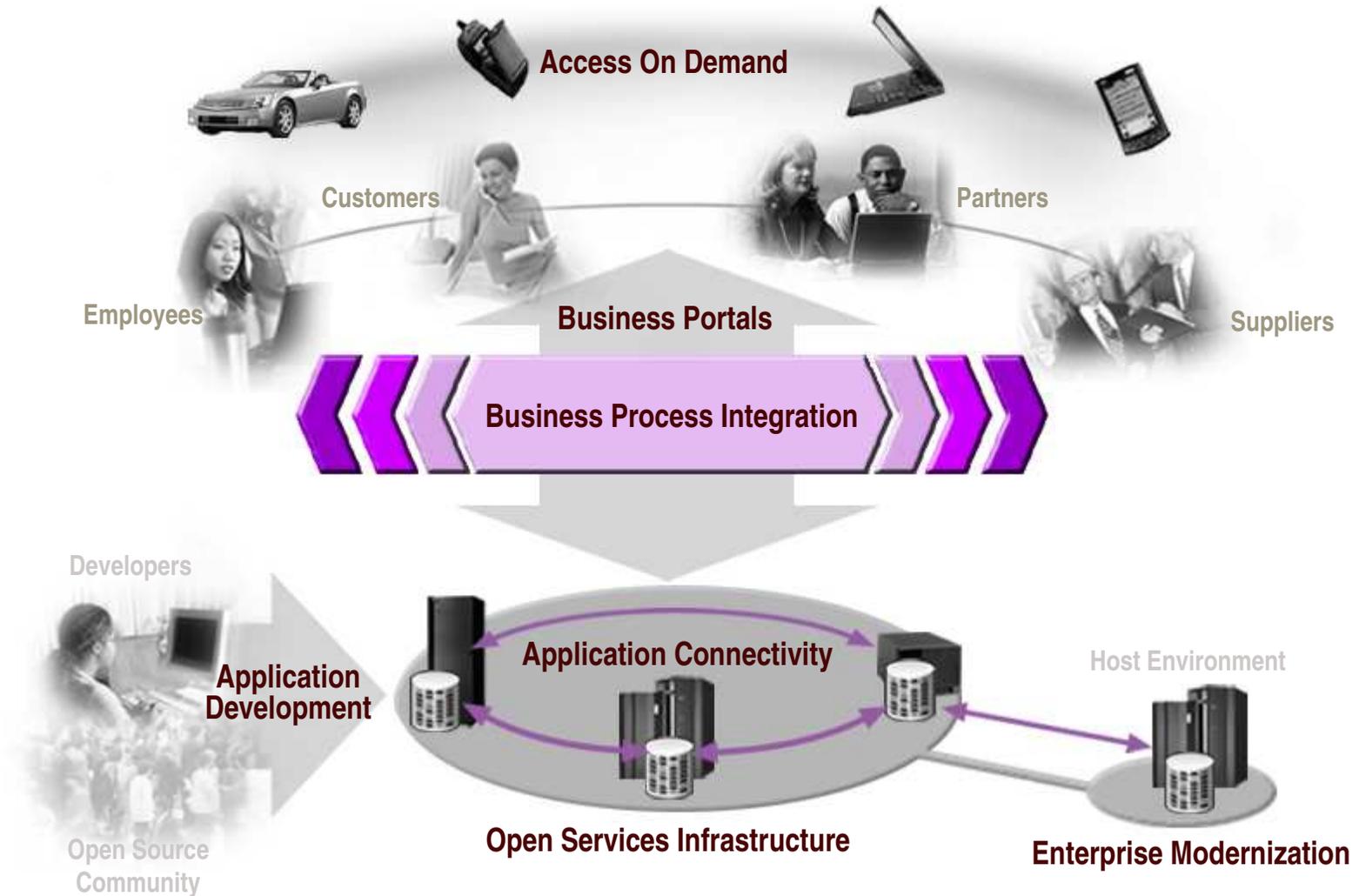
The role of modern middleware is to integrate and simplify

Foundation & Tools

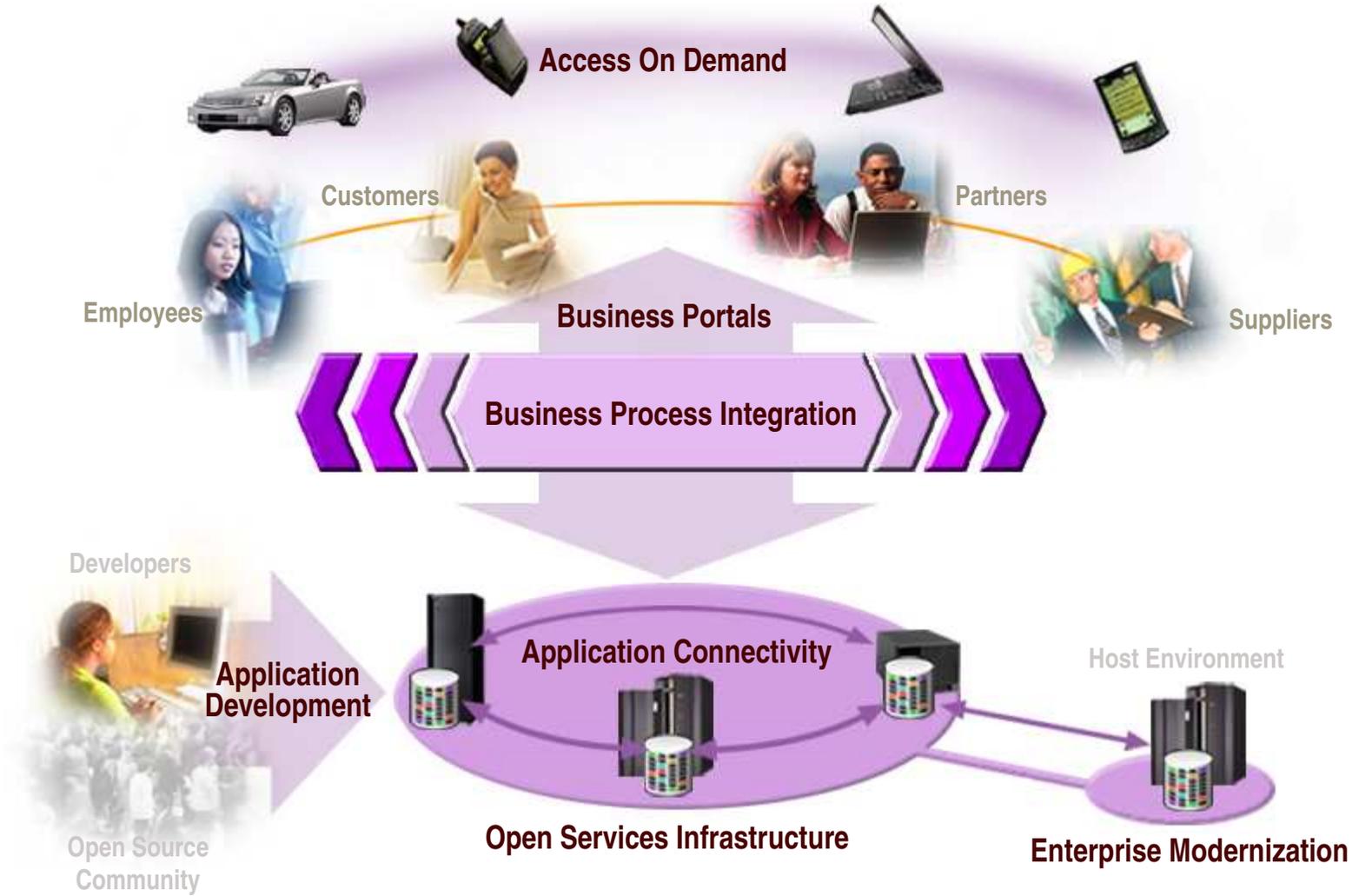




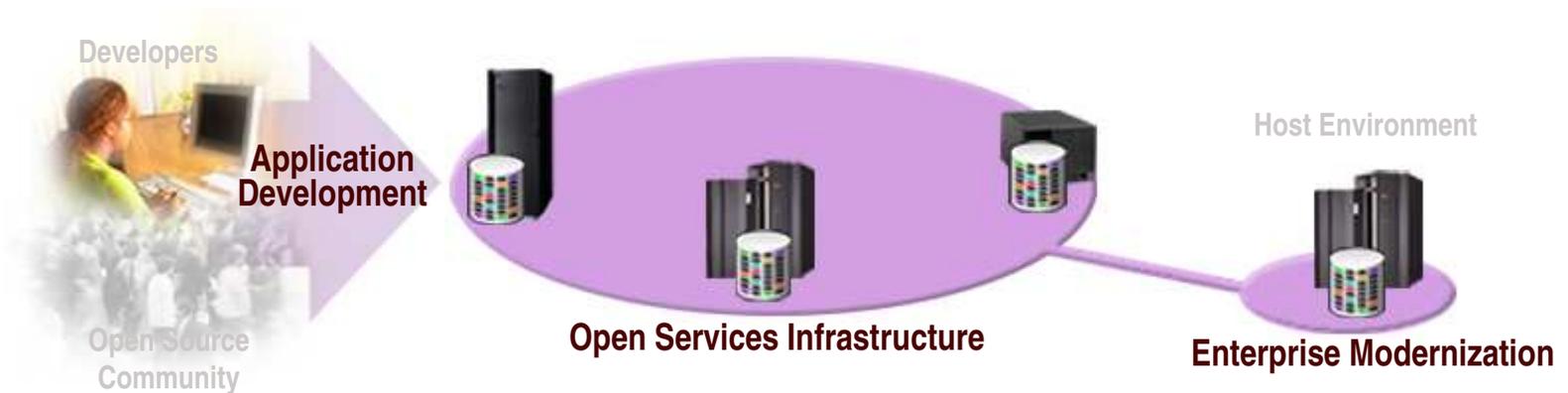
Providing e-business on demand Business Integration



Providing e-business on demand



Foundation & Tools



The core operating environment is a reliable foundation capable of high-volume, secure transactions and Web services

Requirements:

- Providing an operating environment for disparate platforms
- Integrating application development roles
- Simply deploying & administering applications
- Optimizing applications

Benefits:

- Lowers labor costs with superior developer productivity
- Minimizes cost with management services
- Maximizes customer choice with one comprehensive platform
- Provides superior price/performance via intelligent application optimization



**IBM WebSphere
Application Server**
*A high-performance and
extremely scalable
transaction engine for
dynamic e-business
applications*



IBM WebSphere Application Server Family



A high-performance and extremely scalable transaction engine for dynamic e-business applications

A next generation application server that simplifies build-to-integrate tasks, accelerates application development and enables real-time adaptable capabilities

AJ2EE certified configuration optimized to the unique qualities of service provided by z/OS

The mainstream Web services J2EE certified application server enabling industry leading qualities of service and flexible deployment options

Application Server Enterprise

WebSphere Application Server

z/OS

Application Server Express

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



Delivering a rapid and efficient response to business needs through new e-business applications

Requirements:

- Reducing development time to market
- Delivering business results by increased developer ROI
- Building and integrating quality applications
- Extending life of existing assets

Benefits:

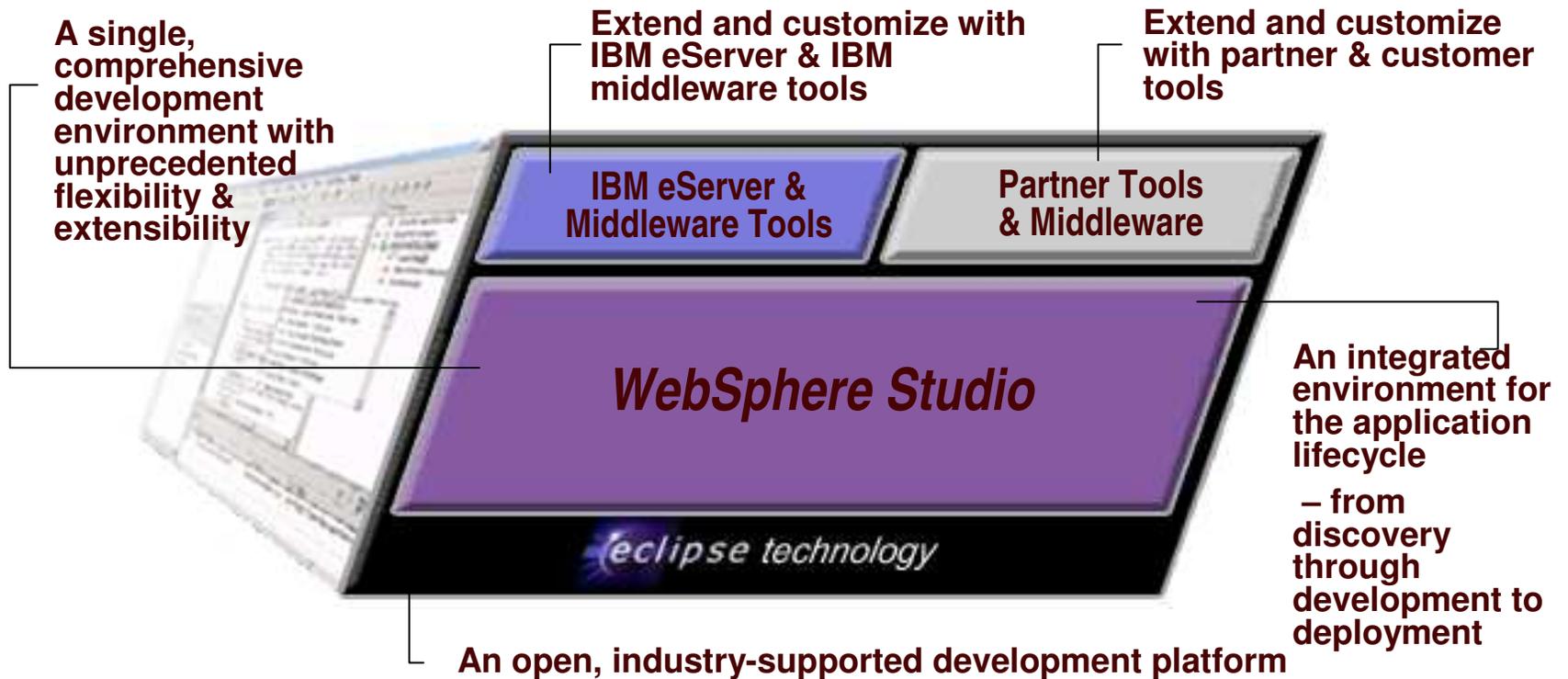
- Increases developer productivity with an integrated development and deployment environment
- Provides a scalable, flexible and reliable platform
- Leverages open standards-based technology innovations
- Facilitates the reuse & integration of existing assets



**IBM WebSphere
Studio**

*An open, comprehensive
development
environment for building
dynamic e-business
applications*

An open, comprehensive development environment for building dynamic e-business applications



Leverage existing business assets and skills to satisfy new e-business requirements

Requirements:

- Accessing legacy assets via the web
- Building & deploying applications quickly
- Extending legacy assets to new users and other applications
- Utilizing a comprehensive application development approach
- Responding to business initiatives on demand

Benefits:

- Reduces time to market with ability to rapidly discover, develop, & deploy enterprise assets
- Deploys reliable, scalable applications
- Significantly extends developer skills and flexibility
- Achieves significant cost savings through componentization and reuse

IBM WebSphere Studio

An open, comprehensive development environment for building dynamic e-business applications

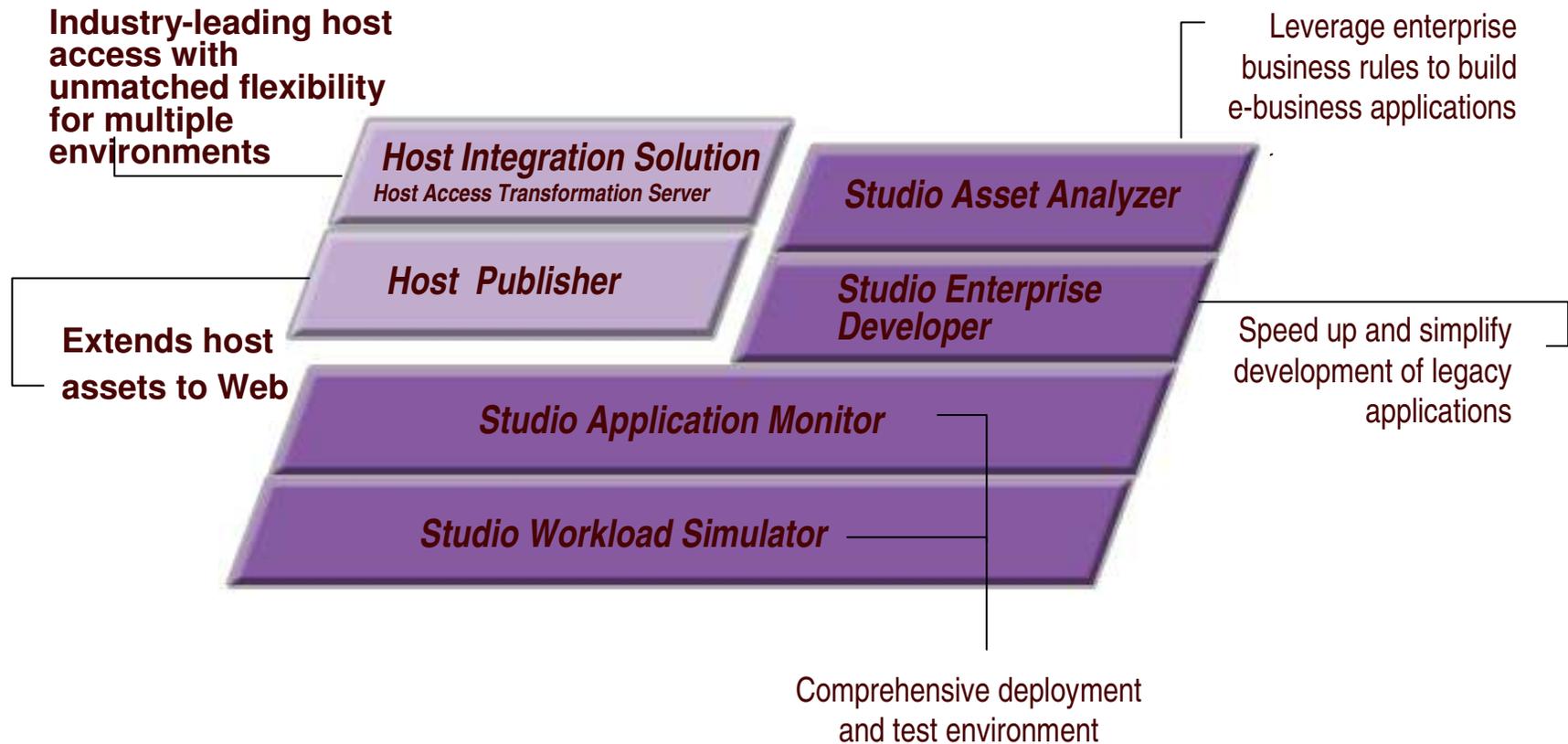
IBM WebSphere Host Integration Software
to leverage and extend legacy assets for new e-business solutions



IBM WebSphere Studio and Host Integration Families



Leverage existing business assets and skills to satisfy new e-business requirements





IBM WebSphere Software Platform:

Foundation & Tools Product Families



WebSphere Studio

An open, comprehensive development environment for building dynamic e-business applications

WebSphere Application Server

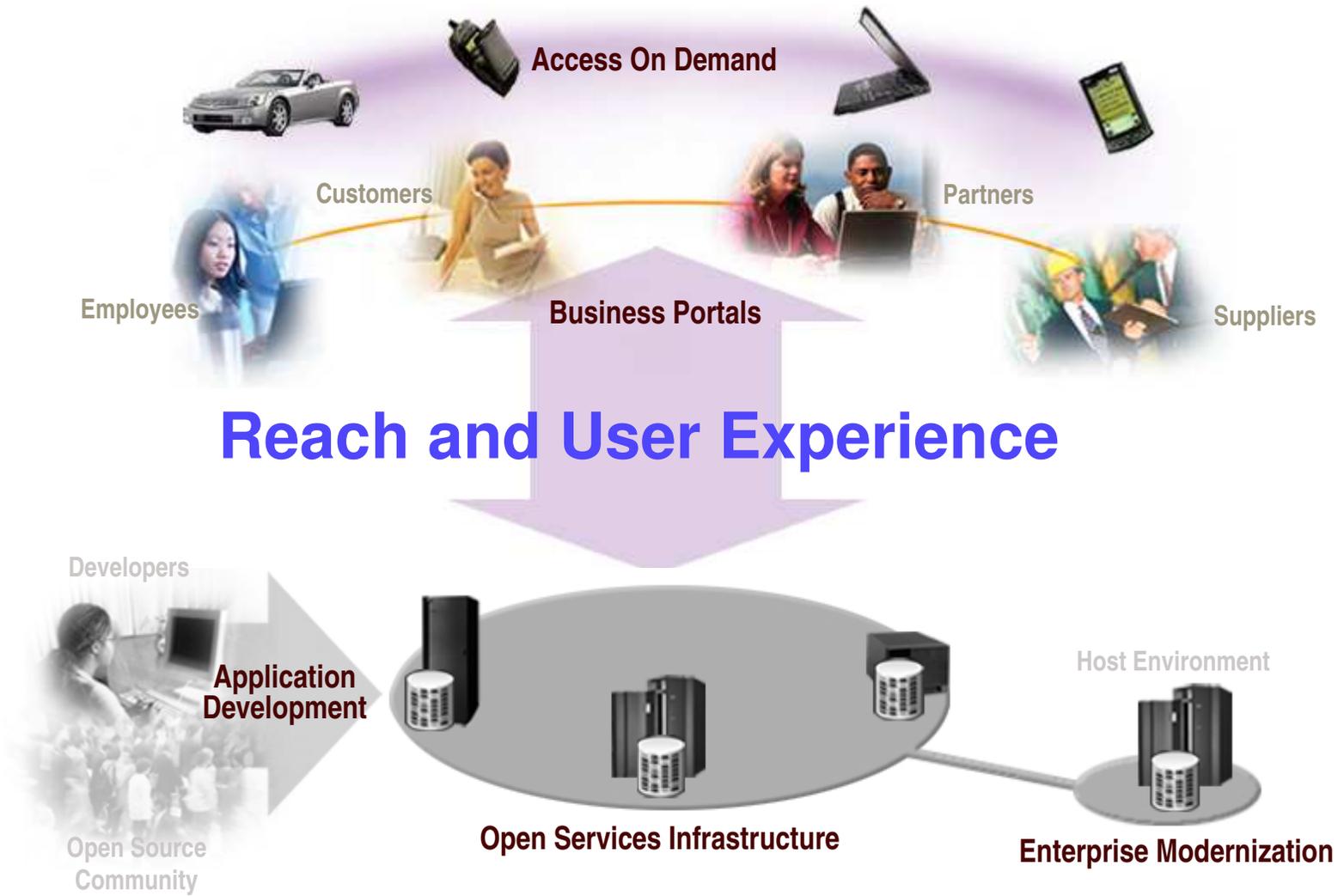
A high-performance and extremely scalable transaction engine for dynamic e-business applications

WebSphere Host Integration

Software to leverage and extend legacy assets for new e-business solutions

Providing e-business On Demand

Reach & User Experience



People can interact and transact in a personalized way with diverse business resources

Requirements:

- Providing a simple, single point of access to resources
- Integrating disparate environments and data formats in real time
- Enabling users to interact & take action
- Supporting automation of the entire order process

Benefits

- Increases user productivity
- Expands markets
- Increases relationship satisfaction
- Reduces costs (order processing, information gathering, etc.)

IBM WebSphere Portal

A single point of personalized interaction with applications, content, processes and people

IBM WebSphere Commerce

Powerful sell-side solutions to handle the challenges encountered in customer and trading partner environments

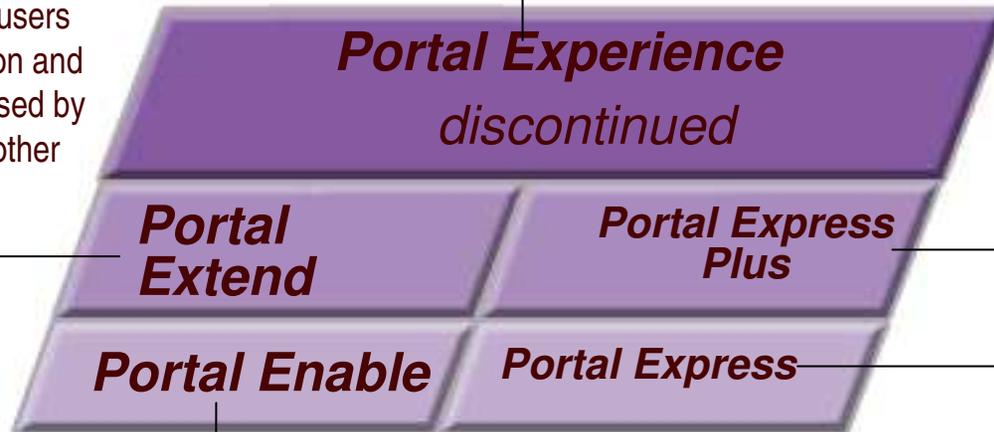
A single point of personalized interaction with applications, content, processes and people

Portal Extend

Allows your portal users to act on information and applications accessed by collaborating with other portal users.

Portal Experience

Provides the capability for developing, deploying and maintaining advanced enterprise portals



Portal Enable

Enables you to build scalable portals that simplify and speed a user's access to personalized information and applications

Portal - Express

Designed for Small Medium size businesses, with simple installation, affordable pricing, and function

Powerful sell-side solutions to handle the challenges encountered in customer and trading partner environments.

Commerce Business Edition

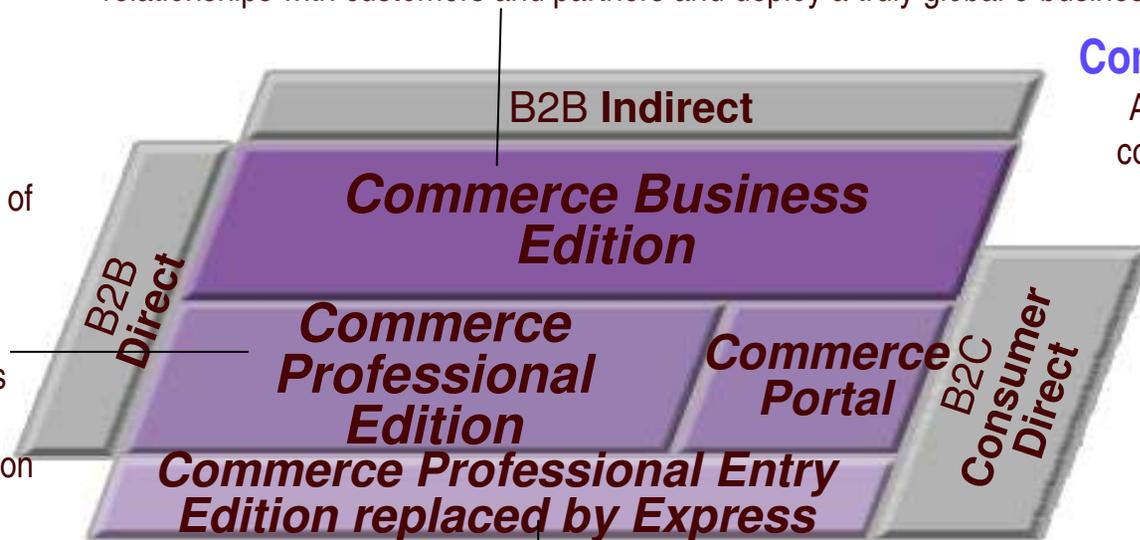
Optimize business processes. Integrate with core applications. Strengthen business relationships with customers and partners and deploy a truly global e-business.

Commerce Professional Edition

Move to the forefront of online selling to consumers. Create a site that attracts customers and keeps them coming back, achieving fast return on your investment.

Commerce Portal

A seamless blend of commerce and portal modular functionality into a single integrated package



Commerce Professional Entry Edition

Provides comprehensive, end-to-end functionality to help growing companies do business on the Web--quickly and affordably.

People can easily access information and take action anywhere, anytime, using their choice of devices

Requirements:

- Handling different applications, device formats, roaming and data types
- Providing data security across networks and systems
- Accepting new wireless standards as necessary
- Providing voice interactions

Benefits

- Improves e-business data access from any contact point
- Expands services offerings in a mobile environment
- Shortens sales-cycle times through real-time information access
- Enhances access capabilities through voice interaction

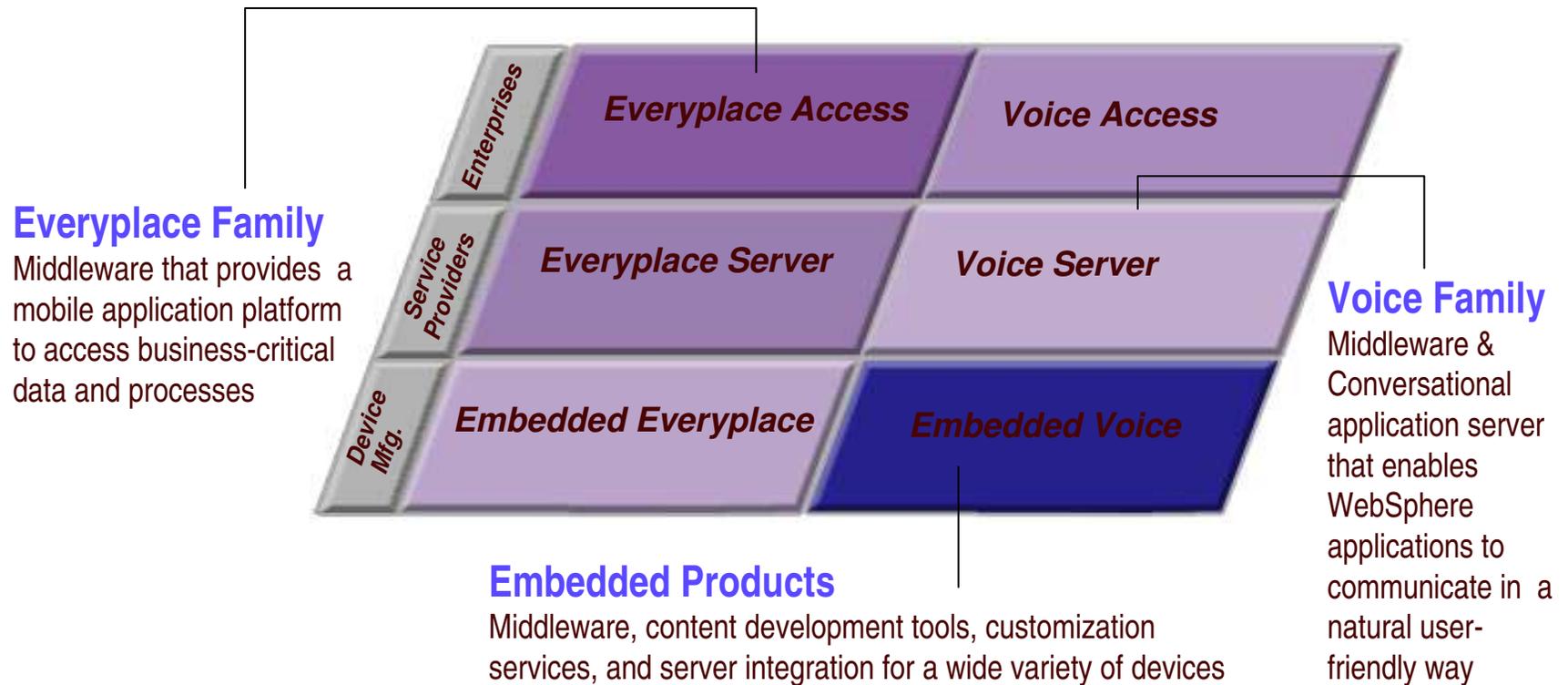


**IBM WebSphere
Everyplace**
Software for extending
e-business applications to
mobile devices



**IBM WebSphere
Voice**
Software for enabling
natural voice interactions
with applications and
data

Software for extending e-business applications to mobile devices and enabling natural voice interactions with applications and data





IBM WebSphere Software Platform:

Reach & User Experience Product Families

WebSphere Portal

A single point of personalized interaction with applications, content, processes and people

WebSphere Commerce

Powerful sell-side solutions to handle the challenges encountered in customer and trading partner environments.

WebSphere Everyplace

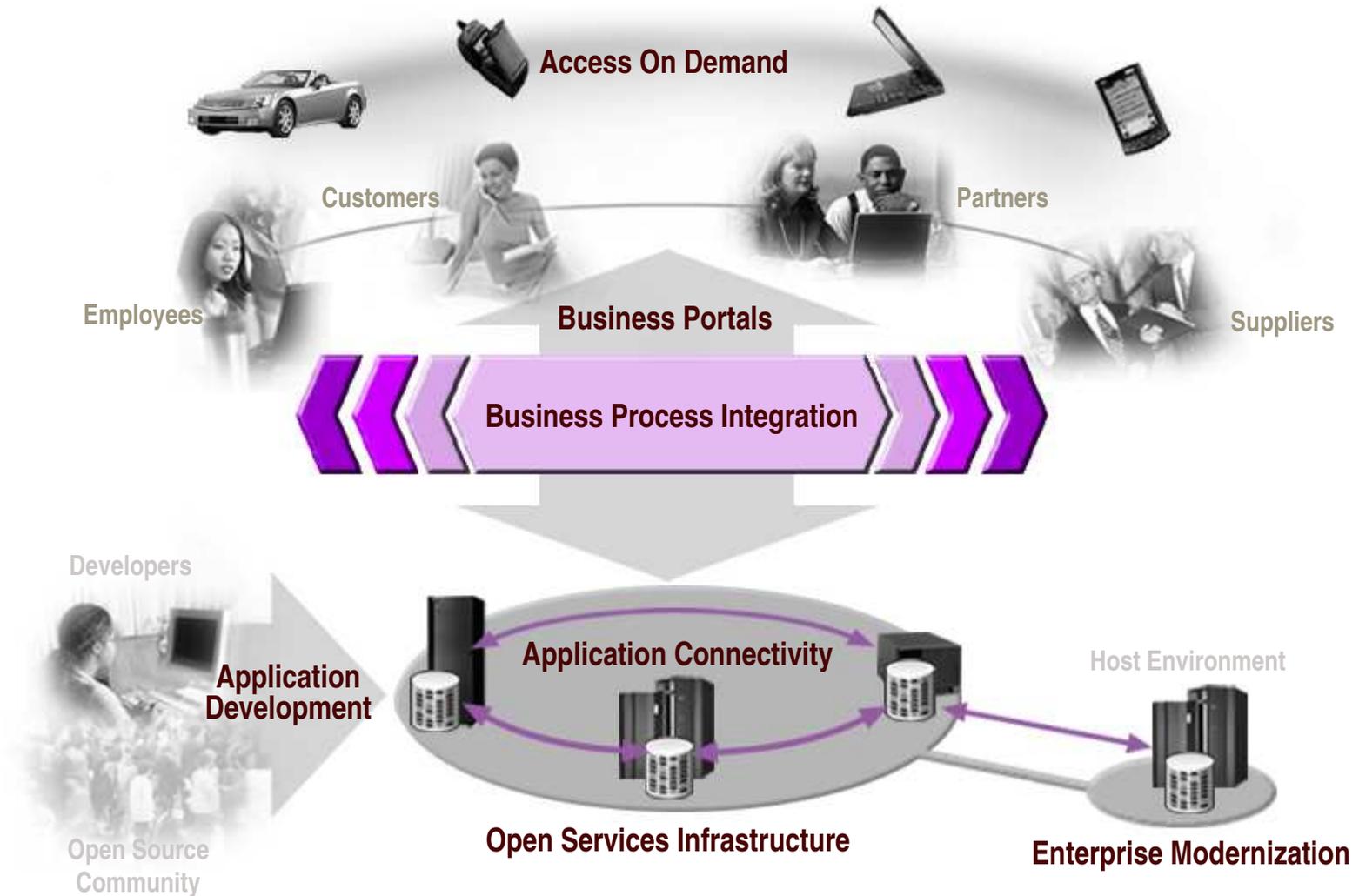
Software for extending e-business applications to mobile devices

WebSphere Voice

Software for enabling natural voice interactions with applications and data



Providing e-business On Demand Business Integration



Information from different business applications can be shared and used across and beyond the enterprise

Requirements:

- **Connecting disparate systems**
- **Reducing development time**
- **Preventing information loss**
- **Supporting open standards**

Benefits:

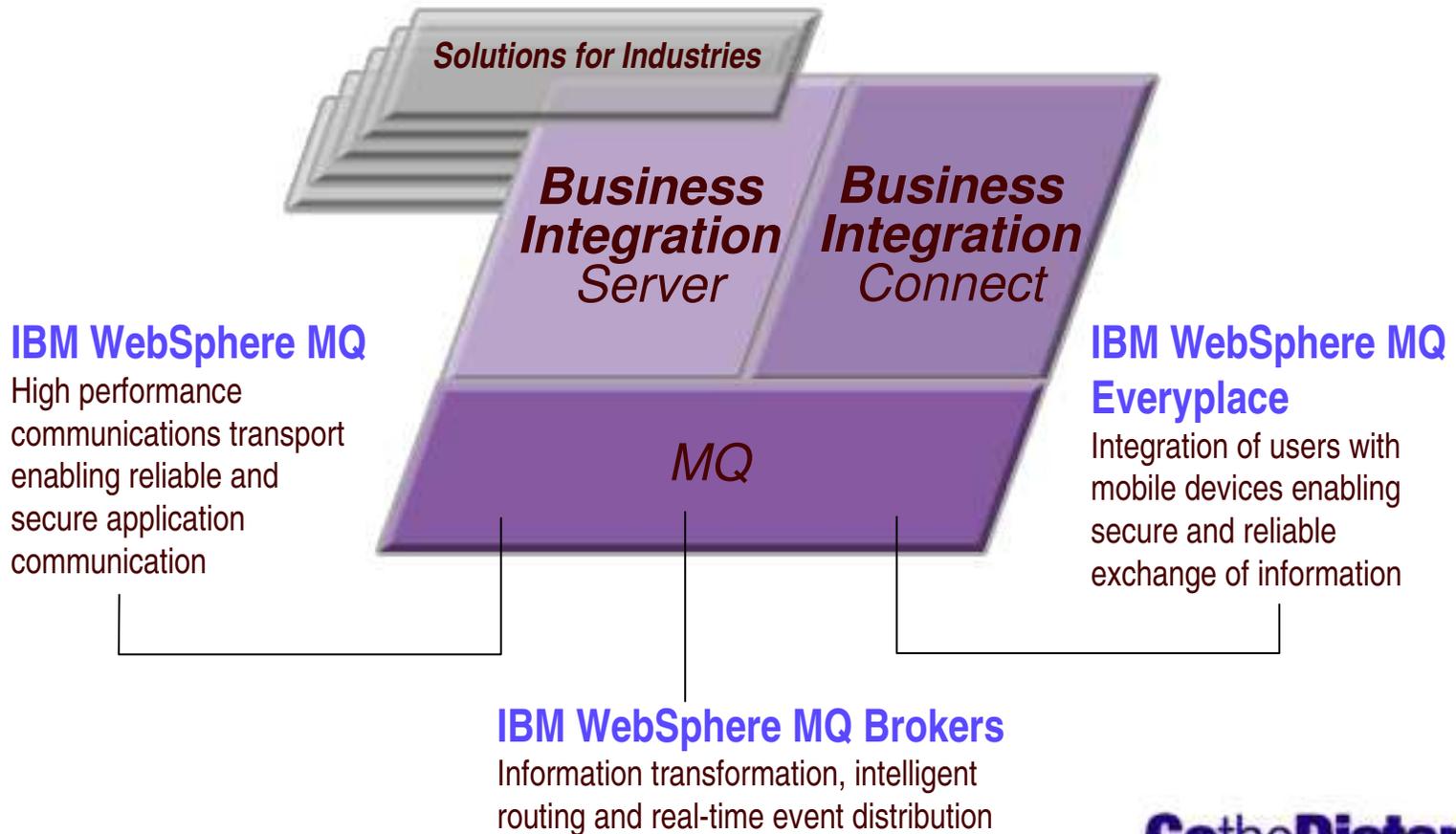
- Reduces resource costs
- Reaches new markets through open standards
- Increases productivity with enhanced information availability



IBM WebSphere MQ

*Software to connect
internal and external
applications to
exchange information
reliably and securely*

Software to connect internal and external applications to exchange information reliably and securely



Businesses can operate efficiently across functional and business boundaries, adapting quickly to changing needs

Requirements:

- **Modeling the business**
- **Integrating multiple systems into a single process**
- **Reducing development time**
- **Managing business activities**

Benefits:

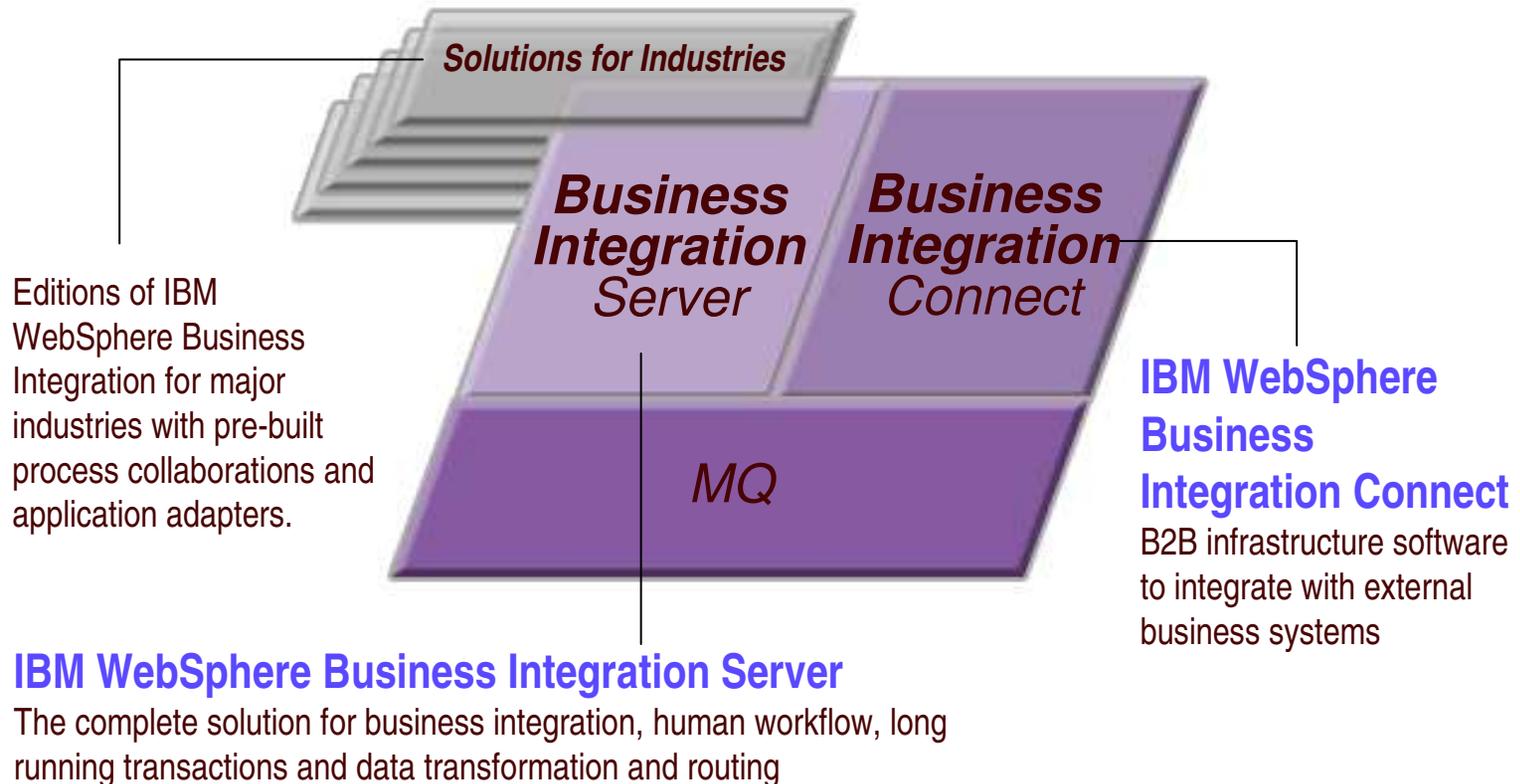
- Accelerates e-business initiatives
- Reduces operational and resource costs
- Increases collaboration across functional and business boundaries



**IBM WebSphere
Business
Integration**

*Software needed to
model, integrate,
automate, and manage
efficient and flexible
business processes*

Software needed to model, integrate, automate, and manage efficient and flexible business processes





IBM WebSphere Software Platform:

WebSphere Voice and Everyplace

Enabling natural voice interaction & infrastructure extending e-business applications to mobile devices

WebSphere Business Integration

The nimble infrastructure needed to support the business imperatives of your dynamic enterprise

WebSphere Commerce

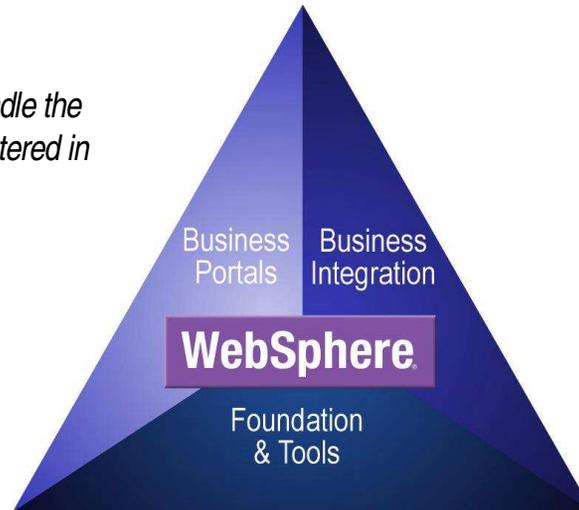
Powerful sell-side solutions to handle the broad range of challenges encountered in B2B and B2C environments

WebSphere MQ

Flexibly connect assets within and beyond the enterprise and exchange information among more than 35 platforms with assured delivery

WebSphere Portal

Framework enabling a single point of User Interaction providing Content Aggregation, People Collaboration and Applications Integration



WebSphere Studio

Professional development tools based on a common workbench technology

WebSphere Application Server

High performance and extremely scalable transaction engine for dynamic e-business applications

Leverage and extend legacy assets for new e-business solutions

Why WebSphere?

IBM WebSphere is the leading software platform for e-business on demand



IBM WebSphere Software Advantages

- Product Leadership in All Categories
- Most Comprehensive Integration Platform
- Reliability, Security & Scalability
- Modular, Incremental & Adaptable
- Open Standards Leadership

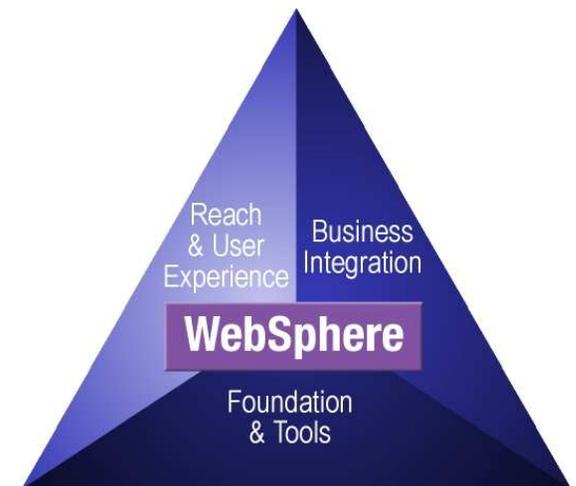
An integrated part of the leading middleware software and support offerings from IBM Software Group



IBM WebSphere Software Platform Directions

IBM intends to evolve the platform to meet the dynamic requirements of e-business on demand by continuing to:

- **Extend leadership product capabilities**
- **Invest in next generation open standards**
- **Increase commonality of components across the platform**
- **Develop and test products as part of an integrated platform**
- **Support utilization of existing business assets for e-business on demand**



Go the Distance

WebSphere on iSeries

Product Availability

IBM Software on iSeries

<http://www-1.ibm.com/servers/eserver/series/software/>

WebSphere Software on iSeries

<http://www-1.ibm.com/servers/eserver/series/software/webSphere/index2.html>

WebSphere Brand – OS/400 Portfolio

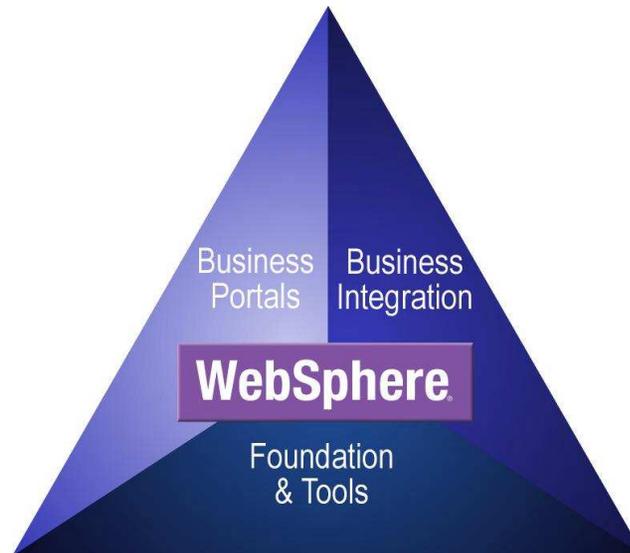
- WebSphere Commerce (V5.4)
 - Payment Manager
 - Pro Entry
 - Professional Edition
 - Business Edition
- WebSphere Commerce Studio V5.4
 - Professional Edition
 - Business Edition
- WebSphere Portal Server (v4 & v5)
 - Personalization
 - Transcoding Publisher
 - × Translation Server
 - Express
 - Express Plus
 - Enable
 - × Extend
- ◆ WebSphere Catalog Manager
- × WebSphere Everyplace Access

■ Available & Current

● In Plan but late

◆ Endpoint Only

× Not In Plan



- WebSphere MQ (v5.3)
 - × WebSphere MQ Workflow
 - × WebSphere MQ Event Broker
 - ◆ WebSphere MQ Everyplace
 - × WebSphere Business Integration
 - × Item Synchronization for Suppliers (CrossWorlds)
 - × WBI Connect (WebSphere-based)
 - × WBI Connect Express

- WebSphere Application Server V4 Advanced
 - Single Server
 - Multi Server
- WebSphere Application Server V5
 - Express
 - Base
 - Network Deployment
 - × Enterprise
- WebSphere Host Publisher
- WebSphere Host Access Transformation Server
 - HATS LE for iSeries

- WebSphere Development Studio
 - WDS & WDSc
 - WDS & WDSc Advanced
- ◆ WebSphere Studio
 - ◆ Homepage Builder
 - ◆ Site Developer
 - ◆ Application Developer
 - ◆ Integration Edition
- ◆ WebSphere Host On-Demand



WebSphere MQ for iSeries V5.3

- WebSphere MQ – Core of MQ Family, integrates over 35 platforms
 - Provides base messaging functions for Servers and Clients
 - Ensures once-only message delivery
- Program Number 5724-B41
- Requires OS/400 V5R1 or later
 - Only the Java and JMS MQ clients, and not the C client, are available for iSeries.
- Per-processor license
 - Changed from “capacity units” to processor Q103



IBM WebSphere Commerce V5.5 Product Family

Powering the Value Chain for Selling, Buying and Channel Management

Commerce Business Edition

Optimize business processes. Integrate with core applications. Strengthen business relationships with customers, suppliers, and partners and deploy a truly global e-business.

Commerce Portal

A seamless blend of commerce and portal modular functionality into a single integrated package.

Commerce Professional Edition

Move to the forefront of online selling to consumers. Create a site that attracts customers and keeps them coming back, achieving fast return on your investment.



Commerce-Express

Easy to install, affordable, yet complete solution designed to help growing mid-market companies do business on the Web

Digital Media Enabler

On-line management, sale and distribution of digital assets as well as rich on-line collaboration features that allow teams to select, discuss, and review content over the web.



WebSphere Commerce for iSeries

- WebSphere Commerce Business
 - V5.5 Available now – OS/400 V5R2
 - 950+ CPW & 1GB Memory minimum for development*
- WebSphere Commerce Professional
 - V5.5 Available now – OS/400 V5R2
 - 950+ CPW & 1GB Memory minimum for development*
- WebSphere Commerce Professional Entry
 - V5.4 Still Available but going away – OS/400 V5R1
 - Maximum 1-processor, 1-store & 1-production server
 - 950+ CPW & 1GB Memory minimum
- WebSphere Commerce Express
 - V5.5 for iSeries due Q403



WebSphere Commerce Studio

IBM WebSphere® Commerce Studio provides everything required to create, develop, and test a store in a single, consolidated environment

Features WebSphere Studio Application Developer, a configuration of WebSphere Studio enhanced for the WebSphere Commerce environment, which provides an open, comprehensive development environment for building dynamic e-business applications

In addition to the development tools, WebSphere Commerce Studio includes a development license for WebSphere Commerce

Includes the Commerce Toolkit for WebSphere Studio for integration into the WebSphere Commerce offerings

Fully integrated, comprehensive online help applicable to application developers, such as API and command reference information

WebSphere Commerce Features

WebSphere Commerce

Professional Edition V5.4

- Business Manager Interface for merchandising, marketing, **member groups, coupons, catalog editing, collaborative filtering initiative**
- Customer Service Tools
- Globalization Infrastructure
- WAS, HTTP Server, Secureway, DB2
- Store Model, Shopping Cart Functionality
- Rules-based personalization
- Auctions
- **Live Help**
- Entry Reporting
- Payment Management
- **Advanced Order Management: ATP, Backorders, Inventory Management, Returns Processing**
- **Catalog Manager Bundled**
- B2C Store Models

Business Edition V5.4 (Pro V5.4 plus)

- Business Policy "Contracts" Infrastructure and Business Manager Interfaces for:
 - Accounts
 - Contract Pricing
 - Custom Catalog Views
 - Purchase Order
 - Credit Line
 - Invoices
 - Other terms & conditions
- Advanced User Mgmt
- Granular Access Control
- Single-Seller RFQ
- Requisition Lists
- Online Buyer/Seller Collaboration (QP)
- B2B Store Model
- + all from Pro Edition



Commerce Express – need to know

- Two processor restriction limits scalability – drawing a clear line vs. high-traffic Enterprise offerings
- Functional distinctions - no ST/QP, Likeminds, DB2 Text Extender, Intelligent Miner (so no ability to do closed loop analytics/marketing)
- No support for Oracle database
- Platform support does not include p Series, z Series
- Clustering not as easily supported since no WAS ND, WAS Edge included
- Developer license is included
- Staging server license included



WebSphere Commerce Express Pricing vs. MSCS

Scenario

WebSphere software

Microsoft

Basic Commerce Site:

Deliver a basic B2B or B2C e-commerce site, one processor license plus pre-production staging environment

WebSphere Commerce - Express

\$20,000

- Production and staging server
- Database (DB2 Express)
- Developer license
- Maint&upgrade protection
- Technical support

Microsoft Commerce Server Standard

\$26,196

- Production and staging server
- Database (SQL)
- Developer license
- Maint&upgrade protection
- × No technical support

Scenario

WebSphere software

Microsoft

Growing Customer

Base: Basic B2B/B2C site but scaled to higher customer needs with two processor licenses plus pre-production staging environment

WebSphere Commerce - Express

\$40,000

- Production and staging servers
- Database (DB2 Express)
- Two developer license seats
- Maint&upgrade protection
- Technical support

Microsoft Commerce Server Standard Edition

\$52,392

- Production and staging servers
- Database (SQL)
- Two developer license seats
- Maint&upgrade protection
- × No technical support



WebSphere Commerce Quickstart

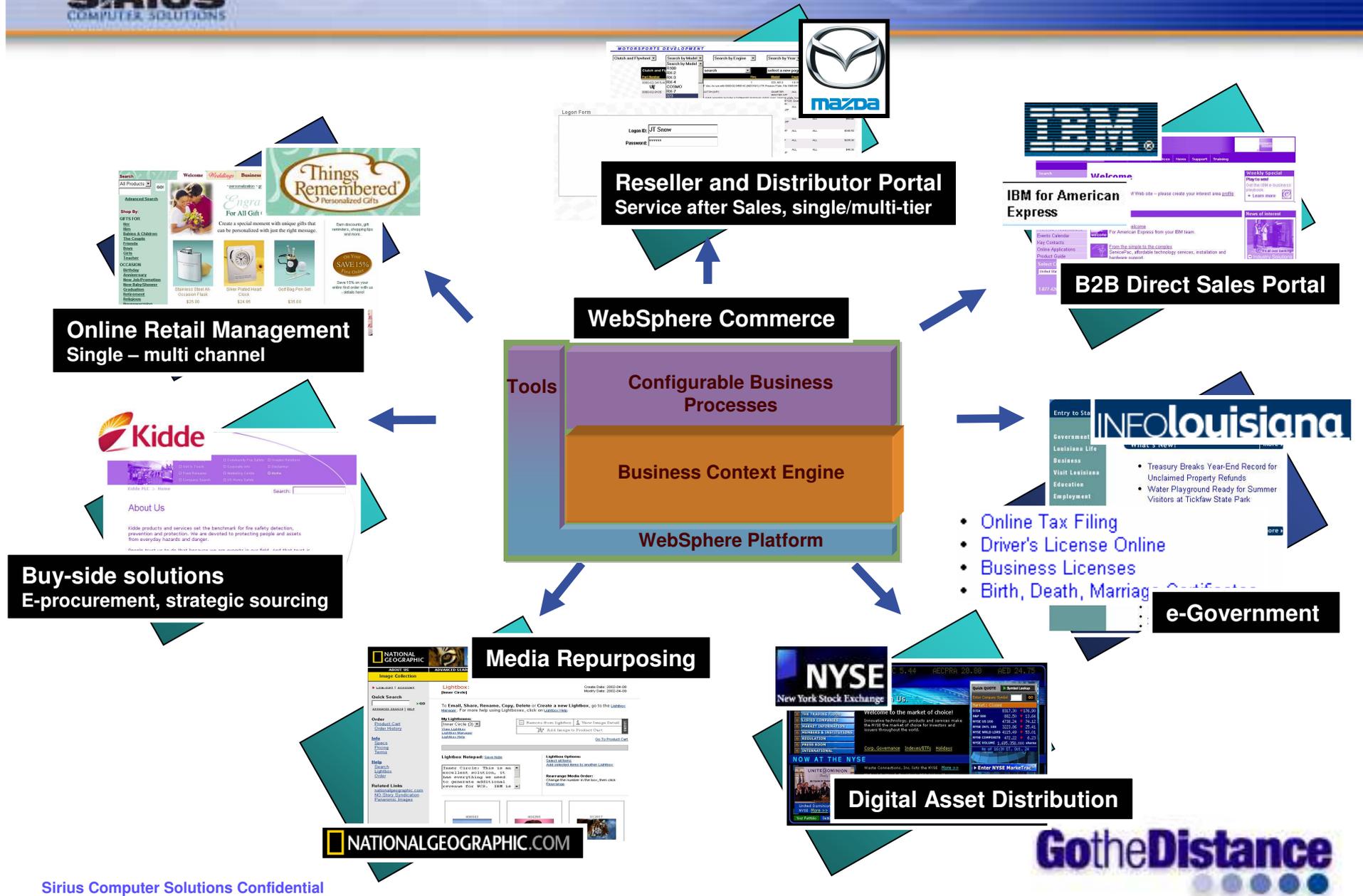
For a limited time only, as a means to create mid-market excitement prior to the September availability of WebSphere Commerce-Express Version 5.5, IBM is pleased to offer the "WebSphere Commerce Quickstart". This outstanding offer is a bundle of two processor licenses of WebSphere Commerce Professional Edition, each of which can be installed in both the customer's production as well as pre-production staging environment, for only \$40,000. This offer represents a substantial discount off the per license list price of \$80,000 but also includes the added staging server value. In order to qualify, customers must

- have total 2002 annual revenues of less than \$200 million USD, and
- agree to be a published IBM customer reference

This offer can not be combined with any other purchase of additional WebSphere Commerce licenses and is available from July 1 until September 30, 2003.



WCS Powers These Solutions



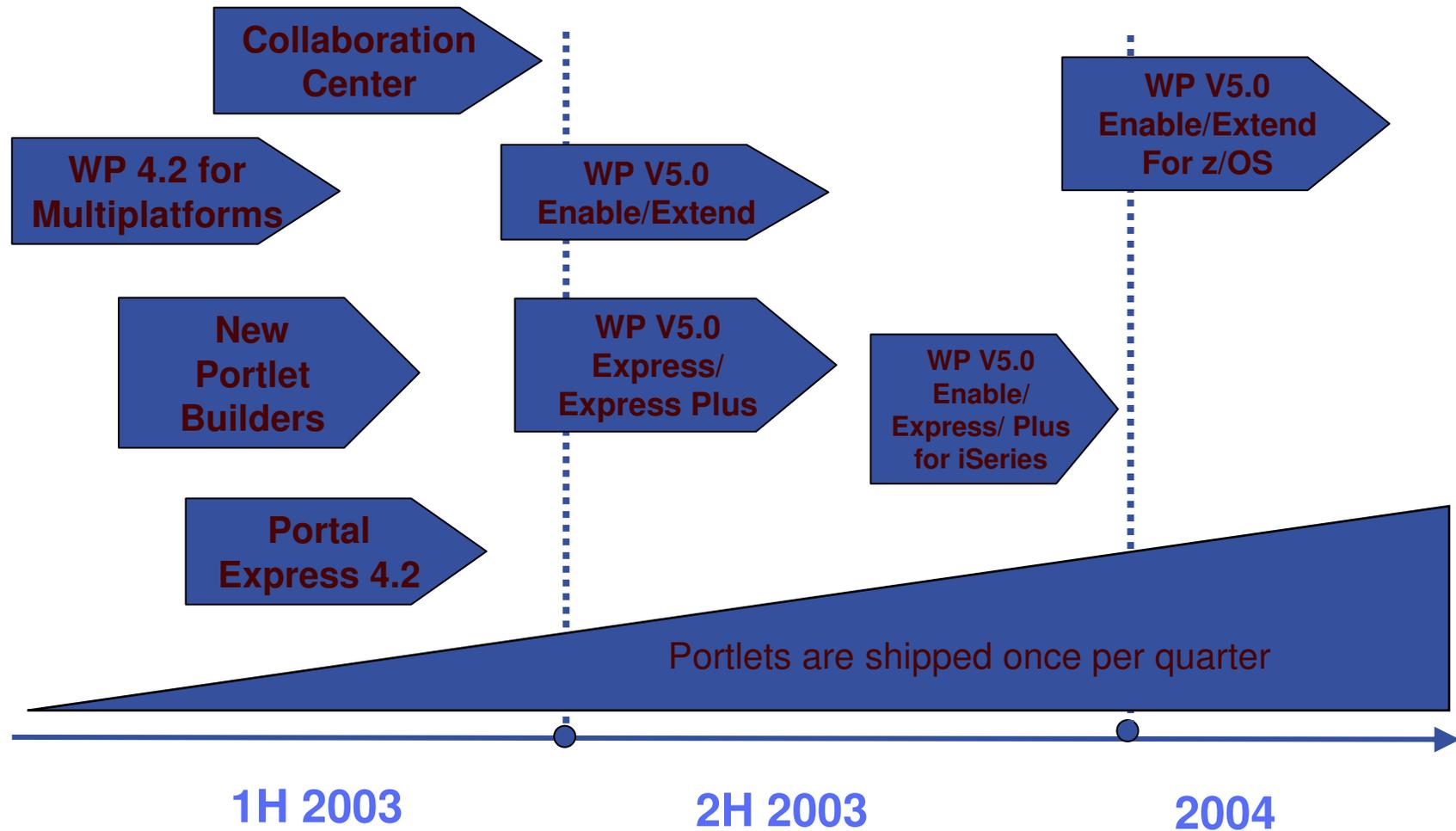


WebSphere Portal Server

- WS Portal for Multi-platform Current Version 5.0
- WebSphere Portal Express for iSeries V5.0 – Due Q403
- WebSphere Portal Enable for iSeries V4.1 5733-A80
 - OS/400 V5R1 or later
 - Processor based licensing
 - Systems hosting applications using enterprise beans, servlets, and JavaServer pages (JSP) files require the following hardware configuration:
 - Any of the following servers (recommended minimums)
 - AS/400e server 170 with processor feature 2385
 - AS/400e server 720 with processor feature 2062
 - iSeries model 270 with processor feature 2252
 - iSeries model 820 with processor feature 2396
 - 1 GB of memory (recommended minimum)
 - Disk requirements: 2 GB



Portal Server Product Rollout



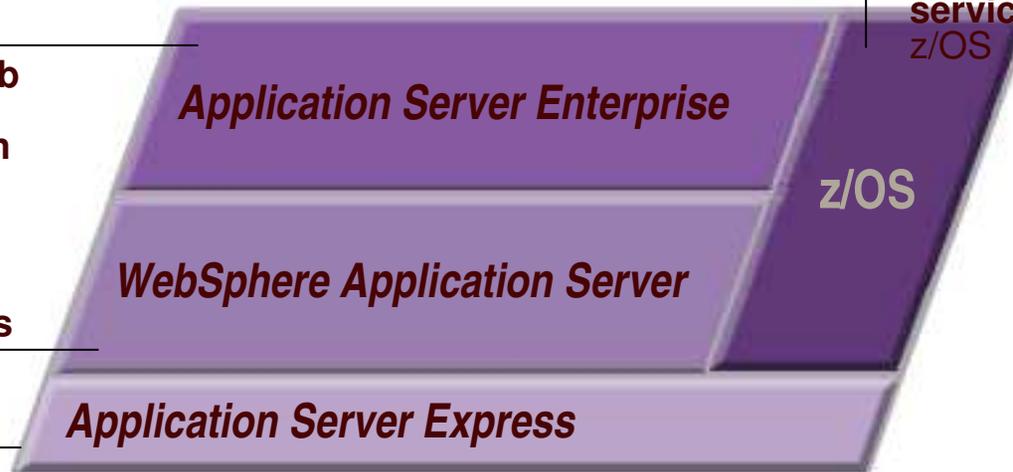


WebSphere Application Server V5

A next generation application server that simplifies build-to-integrate tasks, accelerates application development and enables real-time adaptable capabilities

AJ2EE certified configuration optimized to the unique qualities of service provided by z/OS

The mainstream Web services J2EE certified application server enabling industry leading qualities of service and flexible deployment options



An easily approachable “on-ramp” to e-business, providing fast and productive development, deployment of dynamic web applications

http://www.1.ibm.com/servers/eserver/iserier/software/websphere/wsappserver/product/was_comparison_table.html



WebSphere Application Server (base)

- 5733-WS5 feature code 4421

- If your applications consist only of servlets and JavaServer(TM) Pages (JSP) files, your server should meet these requirements:

- Recommended minimum server models:
 - iSeries Model 270 with processor feature 2250
 - iSeries Model 820 with processor feature 2395
 - 750 MB of memory (recommended minimum)
 - 600+ MB HDD minimum

- If your applications contain enterprise beans, your server should meet these requirements:

- Recommended minimum server models:
 - AS/400e server 170 with processor feature 2385
 - AS/400e server 720 with processor feature 2062
 - iSeries Model 270 with processor feature 2252
 - iSeries Model 820 with processor feature 2396
- 1 GB of memory (recommended minimum)
- 600+ MB HDD minimum

- iSeries and AS/400 required software

- OS/400 Version 5 Release 1 (V5R1) or Version 5 Release 2 (V5R2)**

The iSeries server must be in an unrestricted state, and your user profile should be user type (user class) *SECOFR and have a value of *USRCLS for special authority.

- IBM Developer Kit for Java(TM) (5722-JV1), Version 1.3 (option 5)**

- OS/400 Qshell (5722-SS1 option 30)** Required for local installation and to use scripts in Network Deployment.

- OS/400 Host Servers (5722-SS1 option 12)** Required for remote installation.

- All necessary fixes. For a current list of fixes, see

<http://www.ibm.com/servers/eserver/iseries/software/websphere/wsappserver/services/service.htm> and click **PTFs**.

- HTTP server**

Not needed for installation, but required to support requests for servlets and JSP resources that you want to be handled by an HTTP server residing natively on iSeries. If you plan to deploy only enterprise beans, it is not needed. WebSphere Application Server supports these HTTP server products:

- IBM HTTP Server (powered by Apache) (5722-DG1)**

- Lotus Domino for AS/400 R5 (5769-LNT)**

Sirius Computer Solutions Confidential • Lotus Domino for iSeries 6.0 (5733-LD6)





WebSphere Application Server Network Deployment

- 5733-WS5 feature code 4422

- If your applications consist only of servlets and JavaServer(TM) Pages (JSP) files, your server should meet these requirements:

- Recommended minimum server models:
 - iSeries Model 270 with processor feature 2250
 - iSeries Model 820 with processor feature 2395
 - 750 MB of memory (recommended minimum)
 - 600+ MB HDD minimum

- If your applications contain enterprise beans, your server should meet these requirements:

- Recommended minimum server models:
 - AS/400e server 170 with processor feature 2385
 - AS/400e server 720 with processor feature 2062
 - iSeries Model 270 with processor feature 2252
 - iSeries Model 820 with processor feature 2396
- 1 GB of memory (recommended minimum)
- 600+ MB HDD minimum

- iSeries and AS/400 required software

- OS/400 Version 5 Release 1 (V5R1) or Version 5 Release 2 (V5R2)**

The iSeries server must be in an unrestricted state, and your user profile should be user type (user class) *SECOFR and have a value of *USRCLS for special authority.

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<http://www.ibm.com/servers/eserver/iseries/software/websphere/wsappserver/services/service.htm> and click **PTFs**.

- HTTP server**

Not needed for installation, but required to support requests for servlets and JSP resources that you want to be handled by an HTTP server residing natively on iSeries. If you plan to deploy only enterprise beans, it is not needed. WebSphere Application Server supports these HTTP server products:

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- Lotus Domino for AS/400 R5 (5769-LNT)**

- Lotus Domino for iSeries 6.0 (5733-LD6)**



WebSphere Application Server Express for iSeries - 5724-IWE



WebSphere Application Server - Express for iSeries

The Most Important WebSphere Announcement
Ever for iSeries!

Minimum iSeries = 300 cpw &
500 MB memory!

- **WAS-Express V5 for iSeries includes:**
 1. Web application server - WAS-Express V5
 2. Application development tool - WebSphere Development Studio Client (WDSClient)
 3. IBM Telephone Directory
- **WebSphere Application Server - Express V5**
 - OS/400 Support - V5R2 & V5R1 (GA - 2/21/2003)
 - Intel support (Windows 2000 & Linux)
- **Ability to upgrade to WAS V5 & WAS Network Deployment V5**
 - EJB support and multi-server support

For iSeries Customers Only

IBM Telephone Directory

- WebSphere Application Server is web plumbing
 - IBM Telephone Directory provides "out-of-the-box" functionality
 - iSeries-only offering for WAS V5 and WebSphere-Express V5 for iSeries

- 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
 - \$25 media charge in PPA & ShopIBM
 - \$0 e-download charge
 - IGS special bid for 1,000+ entries



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



WebSphere Application Server Version History

| Version 3.5 | Version 4.0 | Version 5.0 |
|--------------------|------------------------|-----------------------|
| Per Server License | Per Processor License | Per Processor License |
| | | |
| Standard | N/A | Express |
| N/A | Advanced Single Server | WAS (Base) |
| Advanced | Advanced | Network Deployment |
| N/A | Enterprise | Enterprise |

- iSeries customers received V3.5 Standard free
- Upgrade one Processor license of Express V5.0 for each Server license of V3.5 Standard at no charge
 - additional licenses purchased through Passport Advantage

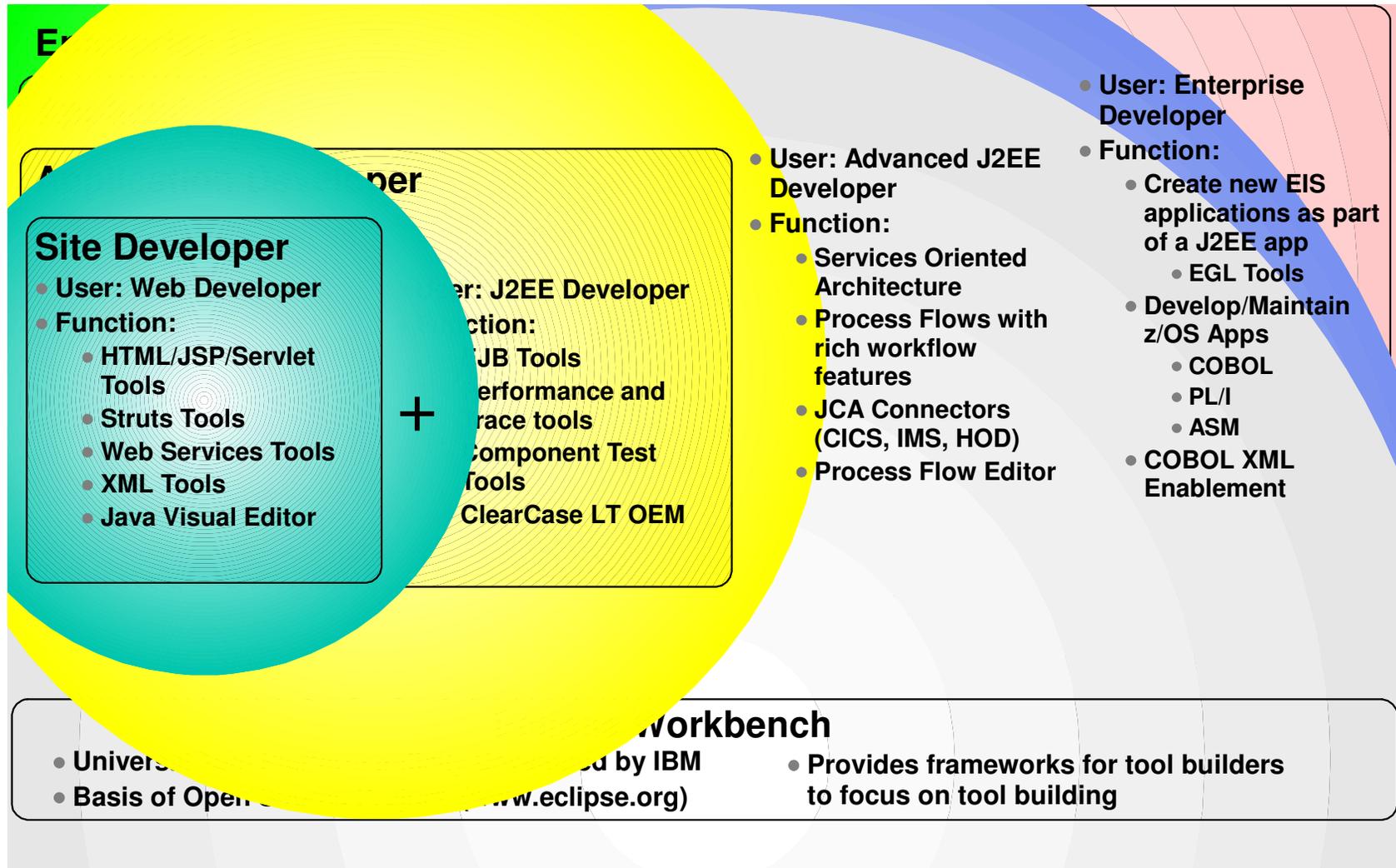


iSeries Workload Estimator

<http://www-912.ibm.com/wle/EstimatorServlet>

The screenshot shows a web browser window displaying the IBM Workload Estimator application. The browser's address bar shows the URL <http://www-912.ibm.com/wle/EstimatorServlet>. The page features the IBM logo and a search bar at the top. Below the logo, there are navigation links: Home, Products & services, Support & downloads, and My account. The main content area is titled "Basic Workload Selection" and includes a section for "Add Workloads to This Solution: (help)" with an "Expert View" button. The current solution is "MySolution" and there is an "Add Workload" button. A list of workload types is provided, including Domino Workload, Existing Workload, File Serving (Linux) Workload, Generic Workload, Java Workload, Network Infrastructure (Linux) Workload, Linux DB2 UDB Workload, Traditional Workload, Web Serving Workload, Web Serving (Linux) Workload, WebFacing Workload, WebSphere Workload, WebSphere Commerce Workload, and WebSphere Portal Server Workload. A "Next" button is located at the bottom of the list.

WebSphere Studio Versions





WebSphere Development Studio for iSeries – 57XX-WDS

WebSphere Development Studio for iSeries

- Combines Legacy and web development in one offering
 - Host & client tools
 - RPG, Cobol, C & C++
 - Java, HTML, XML, & Web Services
- WebSphere Development Studio Client (WDS*c*) is Windows tool bundle
 - 1 copy of WDS*c* is shipped with WebSphere-Express for iSeries



80,000 copies shipped since May 23, 2001!

WDS*c* Advanced Edition (now available)

- Support for EJBs
- Struts extensions to the Eclipse IDE
- Enhanced DDS keyword support



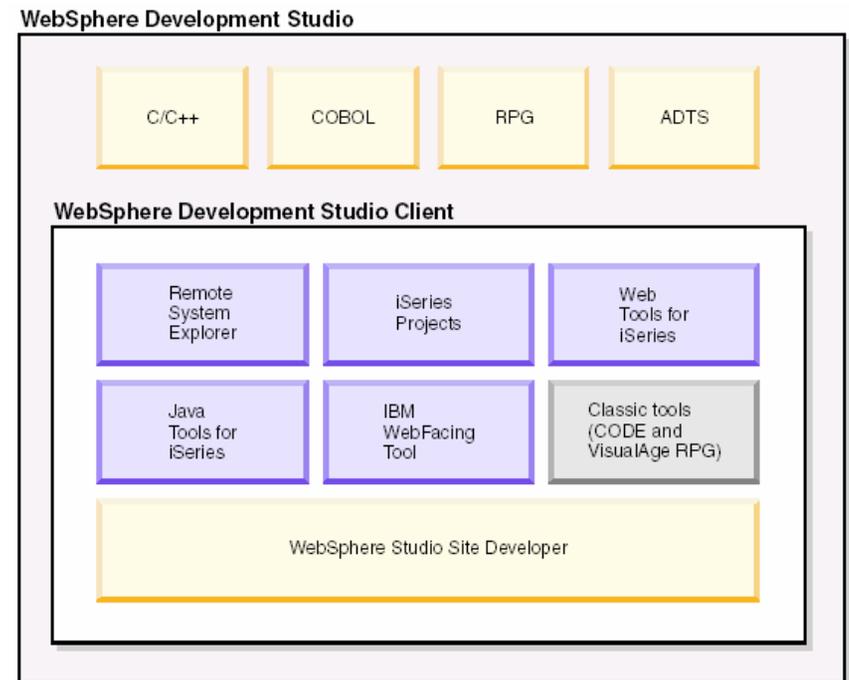
WebSphere
Development Studio
for iSeries

Go the **Distance**



WebSphere Development Studio Client for iSeries

- Included with 57XX-WDS
 - Client also available through Passport Advantage – per user charge
- Unlimited Client Licenses
- Runs on Windows Workstation
- PIII 500Mhz or higher
 - 512M RAM min. - 768M RAM for debugger
 - 2.5G HDD min.
 - Windows 2000 Professional, SP2 or higher
 - Windows XP Professional, SP1 or higher
- IDE Tools Include
 - Remote System Explorer
 - WebSphere Studio Site Developer V5.1
 - Code 400
 - VisualAge RPG
 - Distributed Developer
 - WebFacing Tool

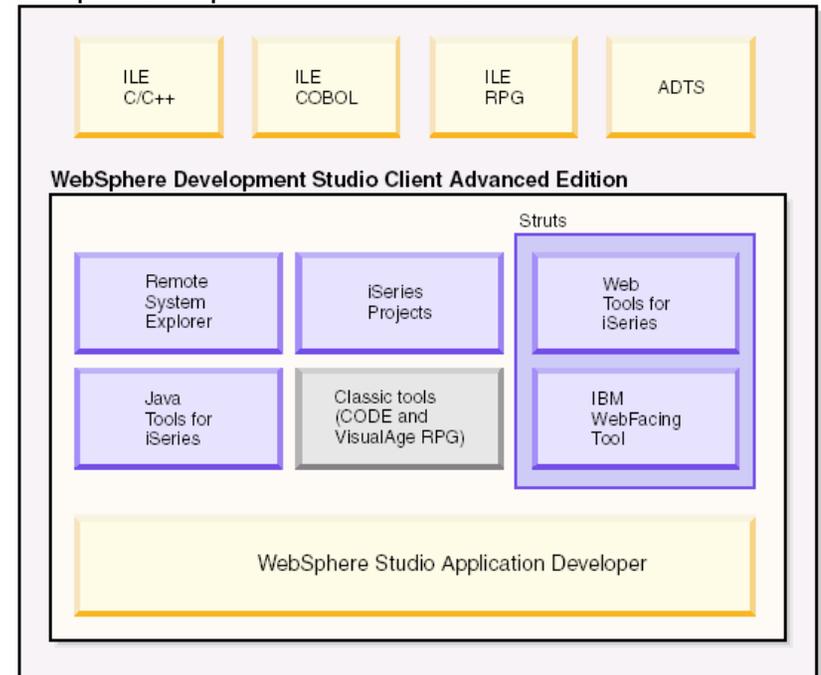




WebSphere Development Studio Client for iSeries - Advanced

- Adds WebSphere Studio Application Developer for EJB's
- Upgrade to 57XX-WDS
 - Feature Code 5904
 - Also available through Passport Advantage – per user charge
- iSeries upgrade pricing based on Software Tier Group
- Unlimited client licenses

WebSphere Development Studio Advanced Edition





Host Integration Solution for iSeries

Announcement Date - May 27, 2003 **General Availability- June 6, 2003**
Order through Passport Advantage Only



Personal Communications
3270/5250/VT Emulation
Comm Server: Communication Services



Host On-Demand
Improved Deployment, Management, Accessibility, Portal



HATS
Improved Presentation & Navigation, HTML, JSPs, Portal, Extensible w/J2EE

WebSphere Host Publisher
Application-to-Application Integration, Web Services, Composite Applications, Integration Objects, XML, Portal

Emulation

Presentation Integration

3rd Quarter Promo (20% discount) - America's Only

Host Integration Solution for iSeries

- Supports 5250 host access only (multi-platform option available for 3270 & VT access)
- User based licensing – Trade-in pricing available
 - Registered Users (Intranet)
 - Concurrent Users (Internet)

| | Tomcat | Express | Base | Network |
|--------------------------------|---|---|---|---|
| <i>iSeries Access for Web</i> |  |  |  |  |
| <i>HATS / HATS LE</i> |  |  |  |  |
| <i>Host on Demand</i> | Not Required | Not Required | Not Required | Not Required |
| <i>Host Publisher</i> |  |  |  |  |
| <i>IBM Telephone Directory</i> |  |  |  |  |
| <i>WebSphere Commerce</i> |  |  |  |  |
| <i>WebSphere MQ</i> | Not Required | Not Required | Not Required | Not Required |
| <i>WebSphere Portal Server</i> |  |  |  |  |

The iSeries Way to “Start Simple”

