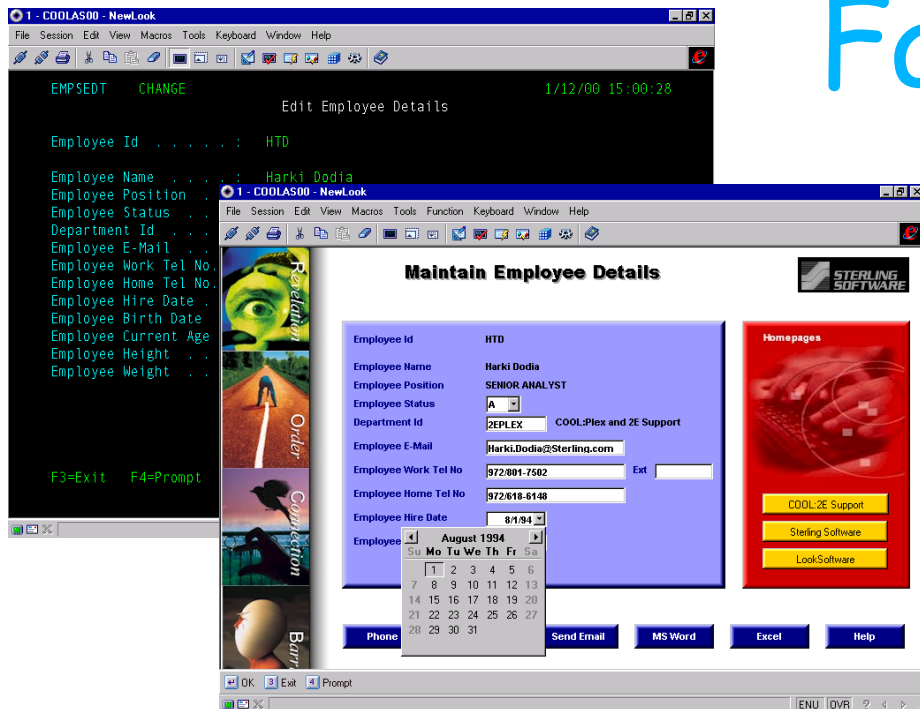


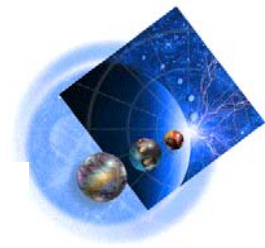
Start Simple Grow Fast: Give That 5250 Screen a New Face



Hosted by Mike Martin & Robin Clark -
America iSeries e-business segment manager
(mpmartin@us.ibm.com) (rjclark@us.ibm.com)

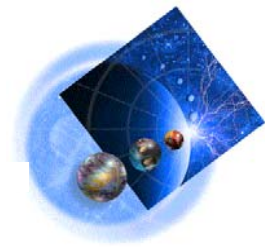
- ▶ Kevin Larsen - eBusiness Center Team Leader
(kevlars@us.ibm.com)
- ▶ Carole Miner - iSeries Client Integration
(cminer@us.ibm.com)
- ▶ Linda Cole - Consulting Sales Specialist
(lcole@ca.ibm.com)

Agenda



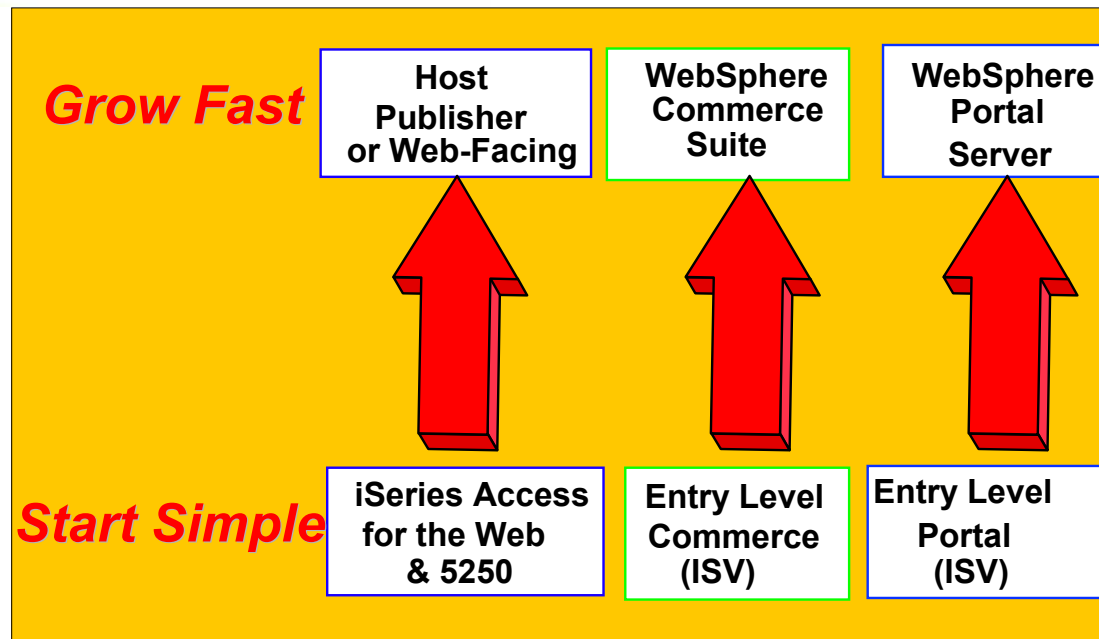
- What is Start Simple Grow Fast???
- Moving to eBusiness
- Getting Ready for the Web
 - WebSphere Application Server
- Faster Ways to the Web
 - Refacing roadmap
 - iSeries Access for Web
 - Host Publisher
 - WebFacing
- Education, Services, Support

Start Simple Grow Fast...



- What is *Start Simple Grow Fast?*

GreenStreak Promotion



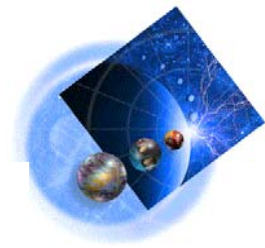
Start Simple...

- With a low cost solution
- With all the basic function
- With a path to "Grow Fast"

...Grow Fast

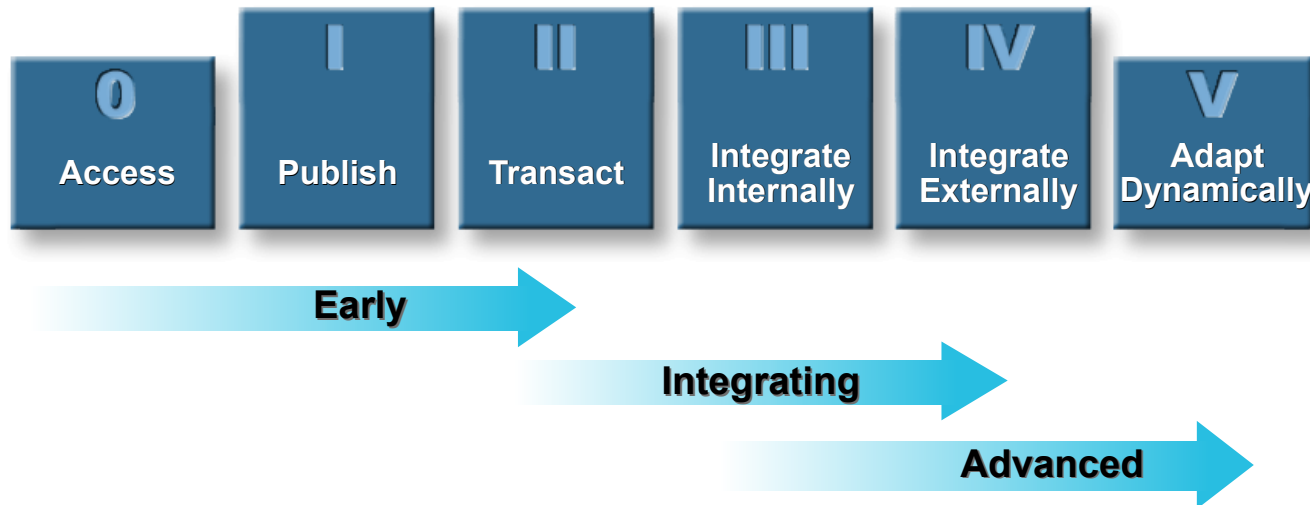
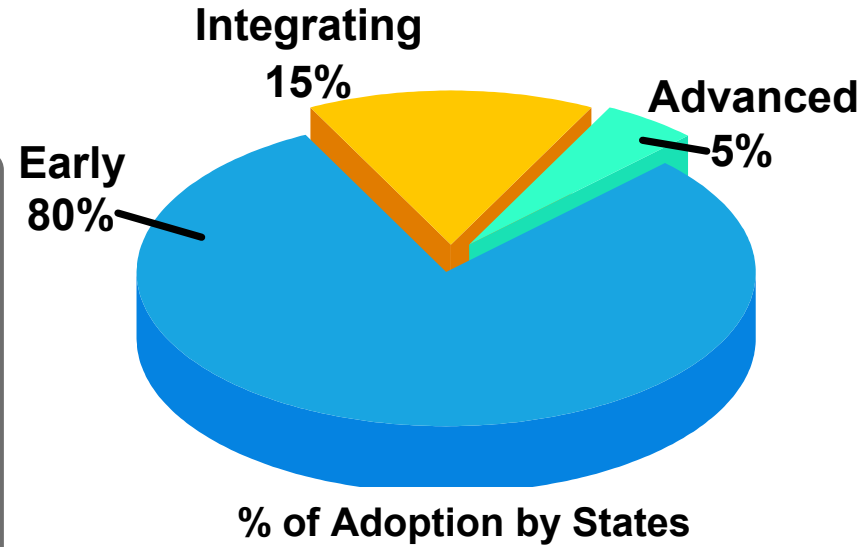
- With a robust solution
- With best of breed functionality
- With a close tie to IBM Strategy

States of e-business Adoption

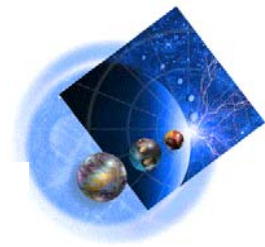


iSeries Focus:

1. Extend existing applications to the web
2. Buy new e-business solutions from ISV's
3. Build new e-business applications

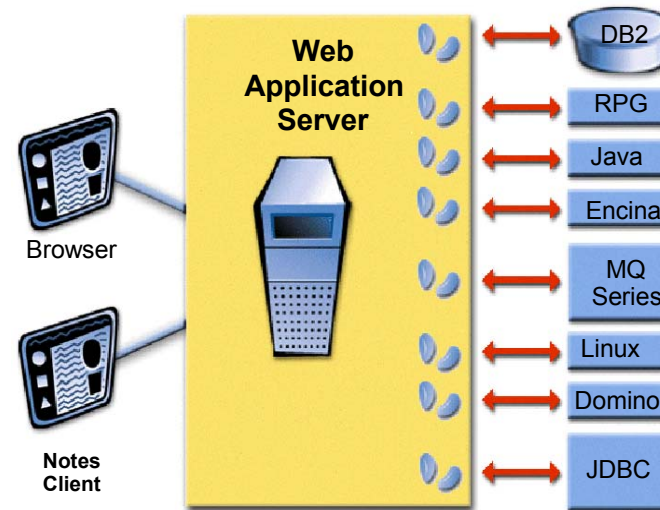


How to Move iSeries Apps to the Web



1. Extend Core Business Processes and Applications to the Web

- ▶ Browser based User Interface
- ▶ Minimal change to underlying applications
- ▶ Minimal initial investment in skills

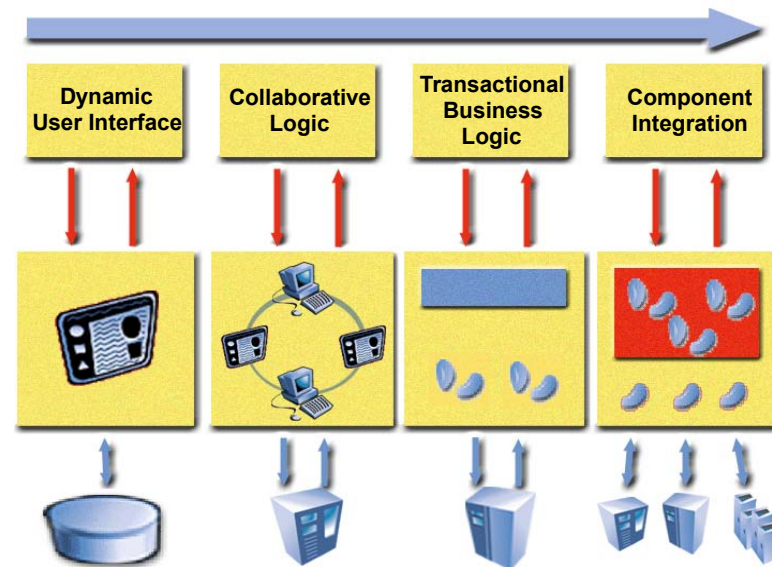


2. Add New Logic to Existing Applications

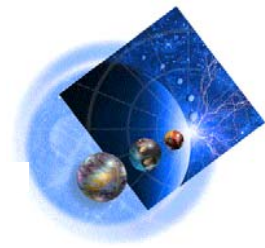
- ▶ Interoperability between Java and RPG, COBOL, etc.
- ▶ Full application integration

3. Build New eBusiness Applications

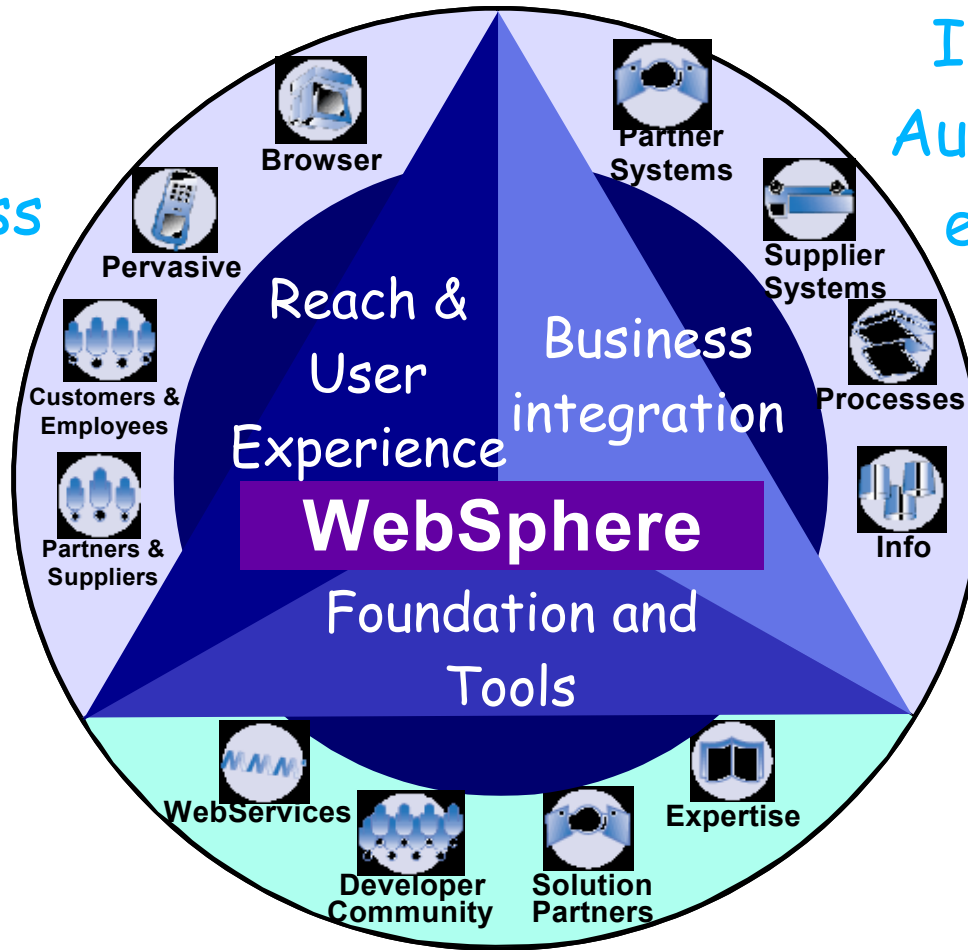
- ▶ eBusiness applications written in Java, RPG, COBOL with XML, etc.
- ▶ JSPs, Servlets



WebSphere building blocks for dynamic e-business



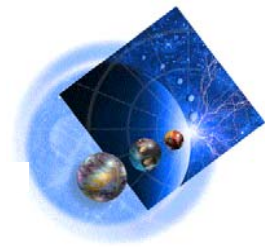
Extend &
Personalize
your e-business



Integrate &
Automate your
e-business

Build, Deploy, & Grow your
e-business

WebSphere building blocks for dynamic e-business



Foundation & Tools Definition

The core of any e-business is getting your business processes and transactions on the Web — so your customers and colleagues can buy and sell. Talk and share -anytime, anywhere. The WebSphere e-business foundation is all about Web-enabling your business as fast and as flexibly as possible.

Foundation & Tools Story

Start to Build: WS Studio Tools to Workbench Collaboration to eclipse Open Source innovations (e-AD)
...then Deploy: Integrated App Server, from legacy apps to new Web Services
...then Grow: scalability, optimization, continuity, new business models (ie. UDDI)

Foundation & Tools

WebSphere Application Server

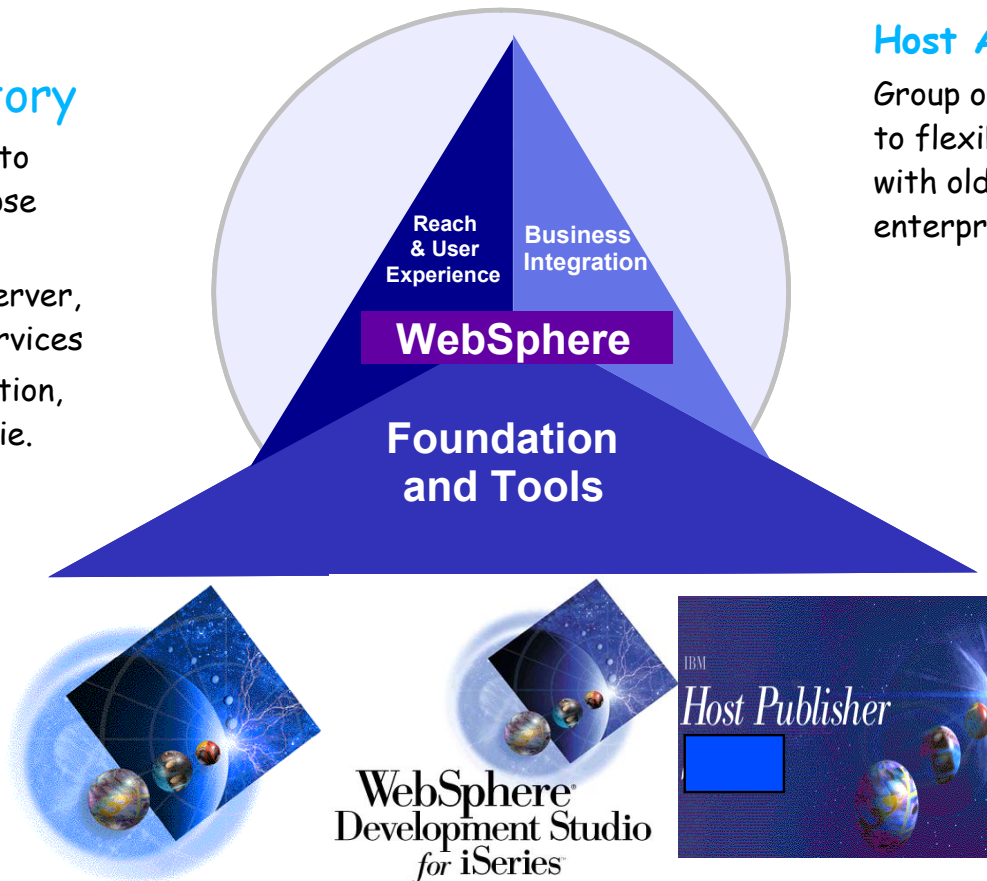
provides the essential e-business functions of handling transactions and extending back-end business data and applications to the Web.

Studio

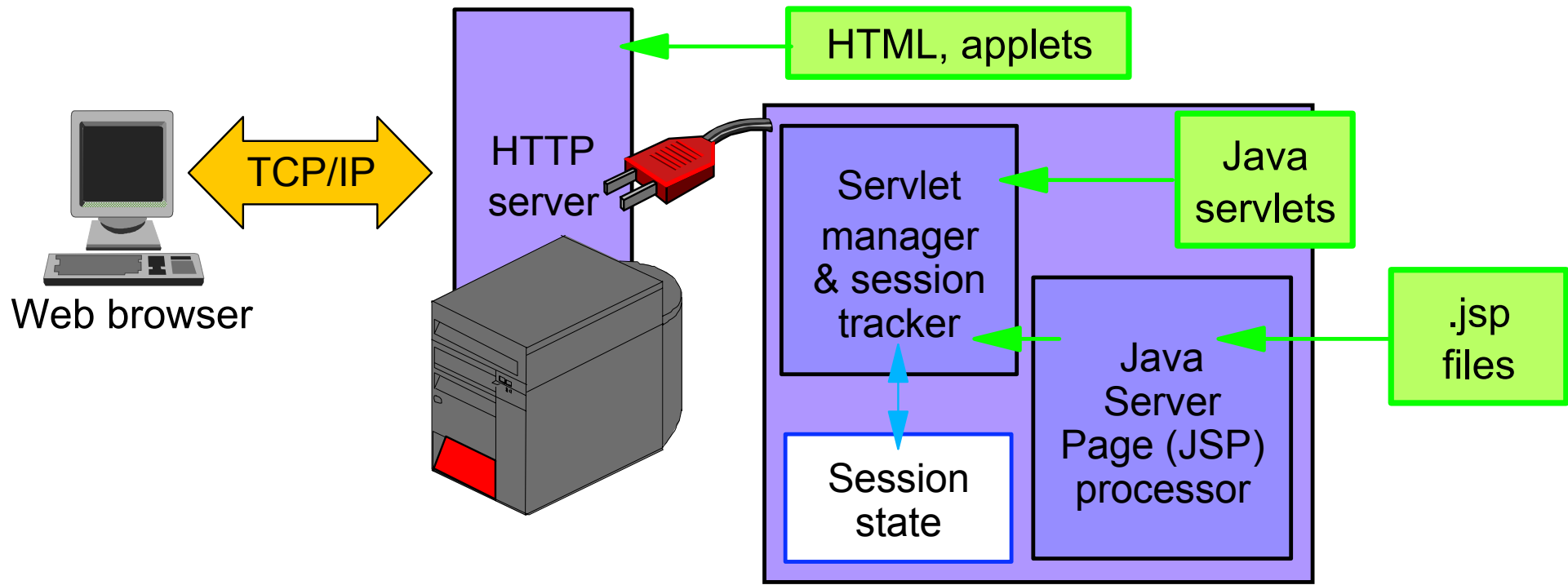
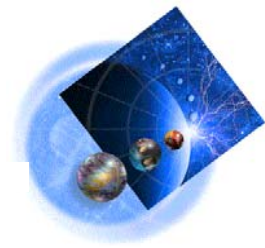
E-business development tools for professional developers offered on a common workbench technology

Host Access

Group of products which enable customers to flexibly connect hosting capabilities with older technology within the enterprise.



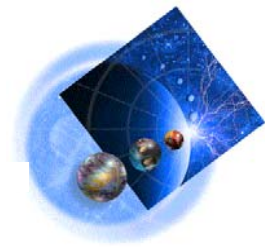
WebSphere Application Server



■ WebSphere Application Server is:

- A plug-in to the HTTP server for running Java servlets
- Available on many platforms - OS/400, OS/390, NT, AIX, ...

Servlets and JSPs



■ Servlets

- A Java class plug-in to the application server
- Acts as the Web application controller
 - Processes and routes browser requests to Java helper objects

■ JavaServer Pages (JSPs)

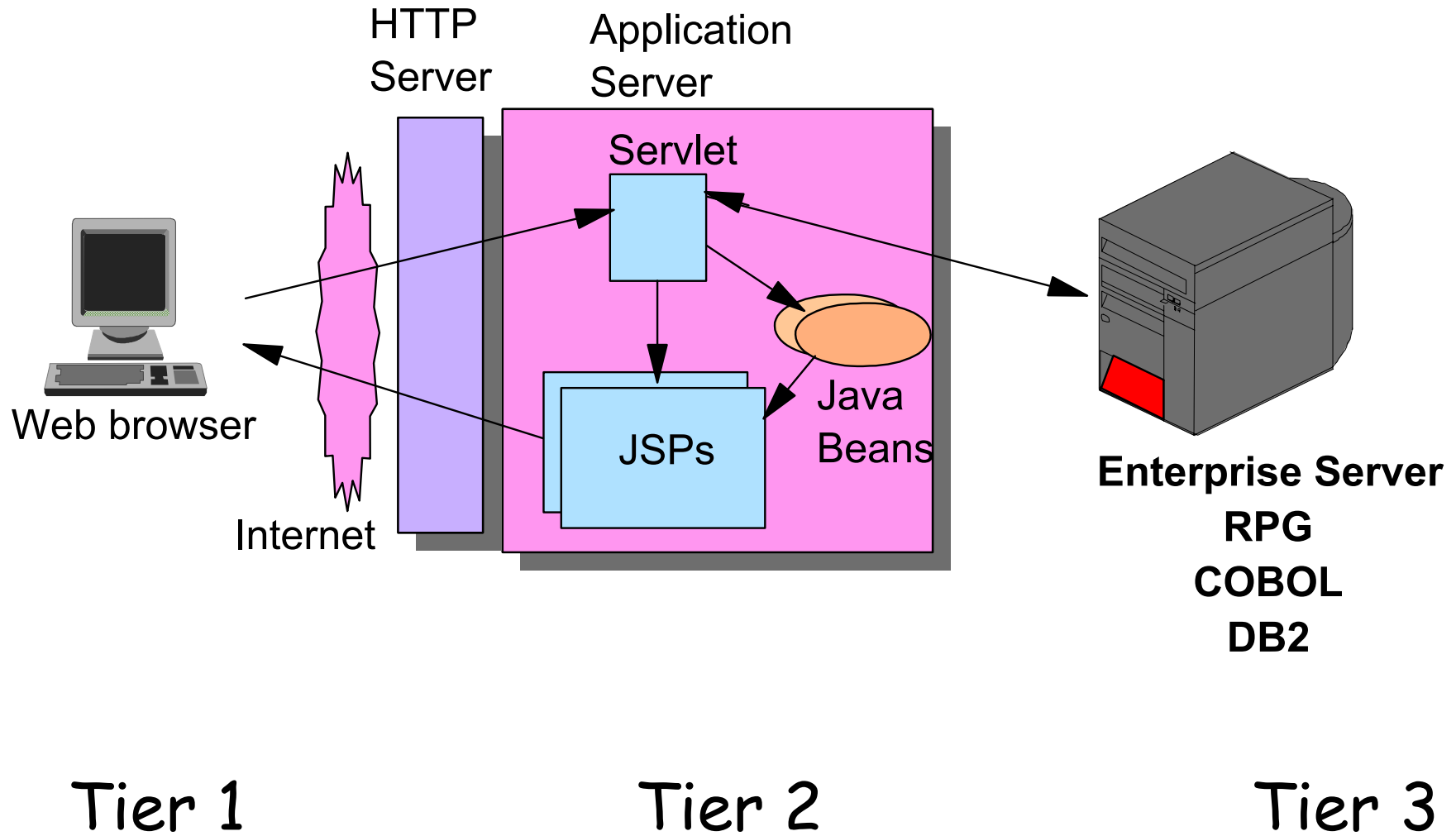
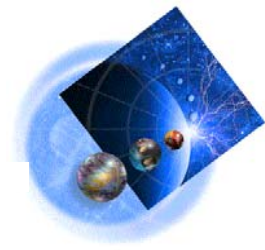
- Encapsulate the presentation (view) of the application
- Allows a clean separation between presentation and dynamic content
- Use Java scriptlets to reference Java beans for dynamic application data

■ Java Beans

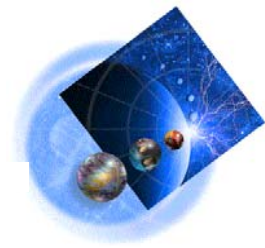
- Encapsulate dynamic application data
- Populated by the servlet

- **Servlets , JSPs, and Beans are the resources of Web applications. They allow the generation of dynamic web pages.**

Web App Architecture



WebSphere Application Server



WebSphere Application Server Standard Edition v3.5 5798-WS3 (EOS June 2003)

- WebSphere Standard+ is not J2EE certified and does not include advanced function in WAS Advanced
- Lack of EJB support and no multi-server capabilities for most robust, reliable web sites
- **NO CHARGE FEATURE!!!! (Great Place to start!!)**

WebSphere Application Server Advanced Edition v3.5 5798-WA3 (\$12K per CPU) (EOS June 2003)

- J2EE Certified (JDK 1.2)
- For departments or small/medium business only requiring support for Servlets & JSPs
- For standalone department or small/medium business

WebSphere Advanced V4 (Single Server Edition) - (\$8K per CPU plus SW maint.)

- Mission Critical Features: J2EE Certified (JDK 1.3), Web Services, (SOAP, UDDI, WSDL), New single server configuration option, Improved Manageability, Increased Performance
- For standalone department or small/medium business

WebSphere Advanced V4 (\$12K per CPU plus SW maintenance)

- Supports Single Server Edition functions plus
- Plus multi-server capabilities such as clustering, enhanced administration, distributed security, workload management, and much more

WebSphere Application Server - V5



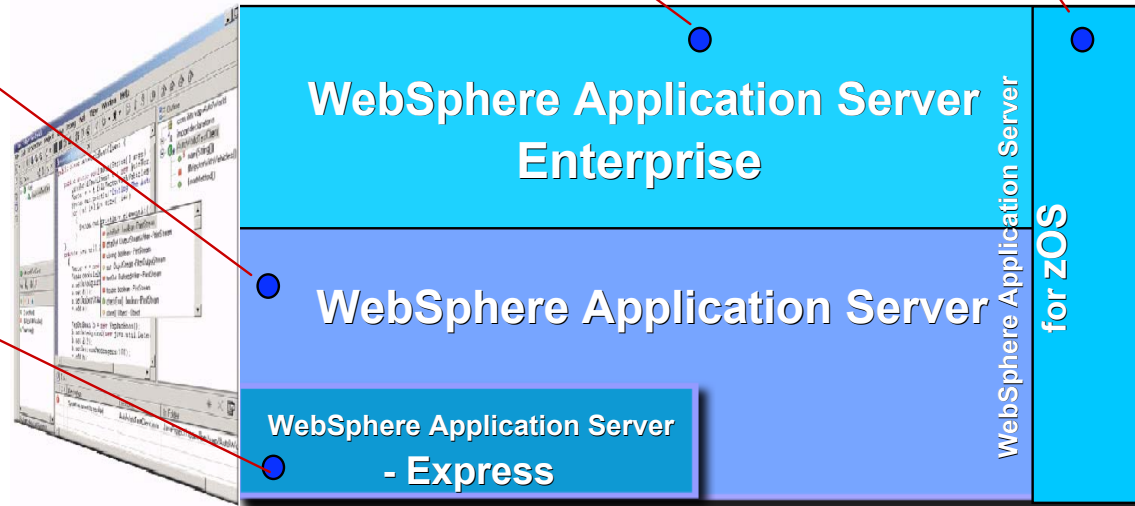
Coming 1Q03

**An extended J2EE & Web services
'build-to-integrate' platform for creating,
composing & choreographing dynamically
adaptable networked application flows and
behaviors**

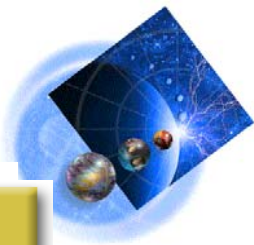
**A J2EE web services
application server
specifically optimized to
the unique QoS of z/OS**

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

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



WebSphere Application Server Options on iSeries



Coming 1Q03

**WebSphere
Application
Server Network
Deployment
Server v5.0**

**WebSphere
Application
Server Base
Server v5.0**

**WebSphere
Application
Server Express
Server v5.0**

**WebSphere
Application Server
Advanced Edition
v4.0
5733-WA4
\$12K per processor**

**WebSphere
Application Server
Single Server v4.0
5733-WS4
\$8K per processor**

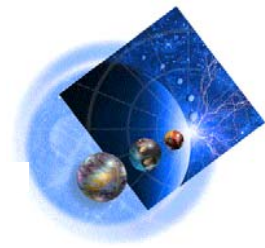
**WebSphere
Application Server
Advanced Edition
v3.5
5798-WA3 (EOS
June 2003)
\$12K per processor**

**WebSphere
Application Server
Standard Edition
v3.5
(EOS June 2003)
no charge feature**

**Application re-facing...Start
with WAS 3.5 and move to
WAS Express when available.**



WebSphere --> sub-capacity pricing



Sub-Capacity pricing is the pricing of SWG products at less than the full machine capacity, subject to the current terms

Purpose of Sub-Capacity pricing

- Better address Server Consolidation on servers with partitioning capabilities
- Provide attractive pricing model for customers with multiple workloads
- Offer flexibility and changeability to meet individual customer requirements
- Incorporate the use of new technology such as LPAR to better support customers

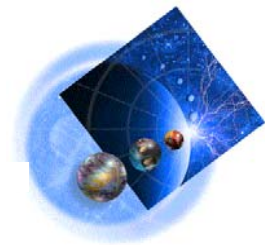
How is this monitored for compliance?

- IBM license management programs will be required on certain servers to accurately manage Sub-Capacity pricing
- In the future, sub-capacity licensed customers will be required to send license manager software inventory logs to IBM

How does Sub-Capacity pricing apply to iSeries & WebSphere?

- WebSphere Application Server
- WebSphere Commerce Suite

Sub Capacity Examples



2-Way iSeries

Partition #1	Partition #2
WAS 0.5 cpu	Other Workload 1.5 cpu's

2-Way iSeries

- WAS processor units = 0.5
- WAS licenses required = 1



4-Way iSeries

Part #1	Part #2	Partition #3
WAS 0.6 cpu	WAS .7 cpu	Other Workload 2.7cpu's

4-Way iSeries

- WAS processor units = 1.3
- WAS licenses required = 2



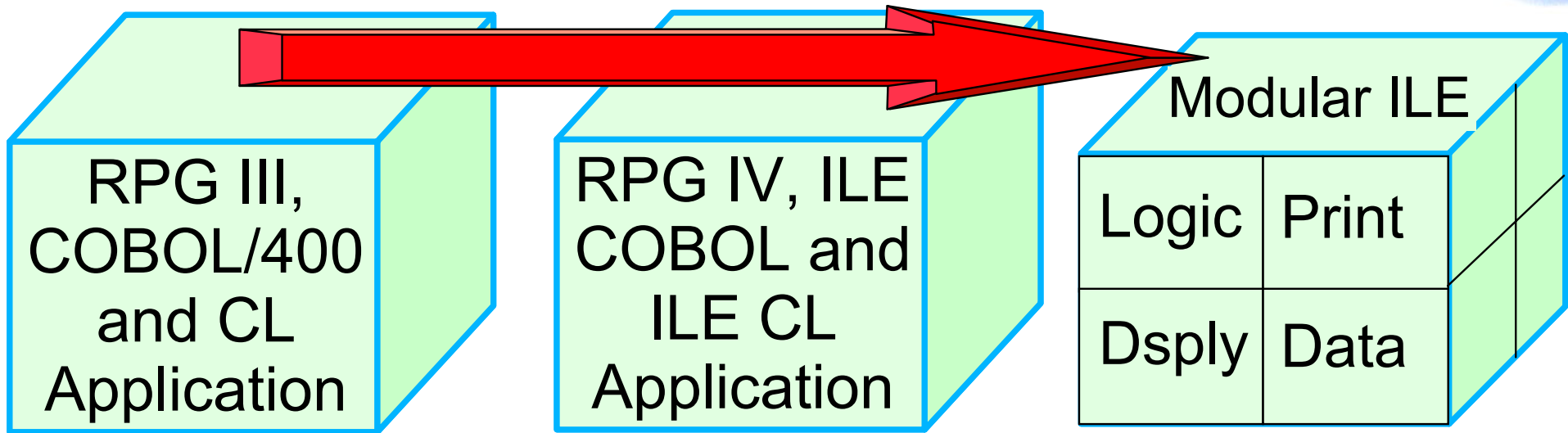
8-Way iSeries

Part #1	Part #2	Part #3	Part #4
WAS 1.5 cpu	WCS 0.4 cpu	WCS 0.5 cpu	Other Workload 5.6 cpu

8-Way iSeries

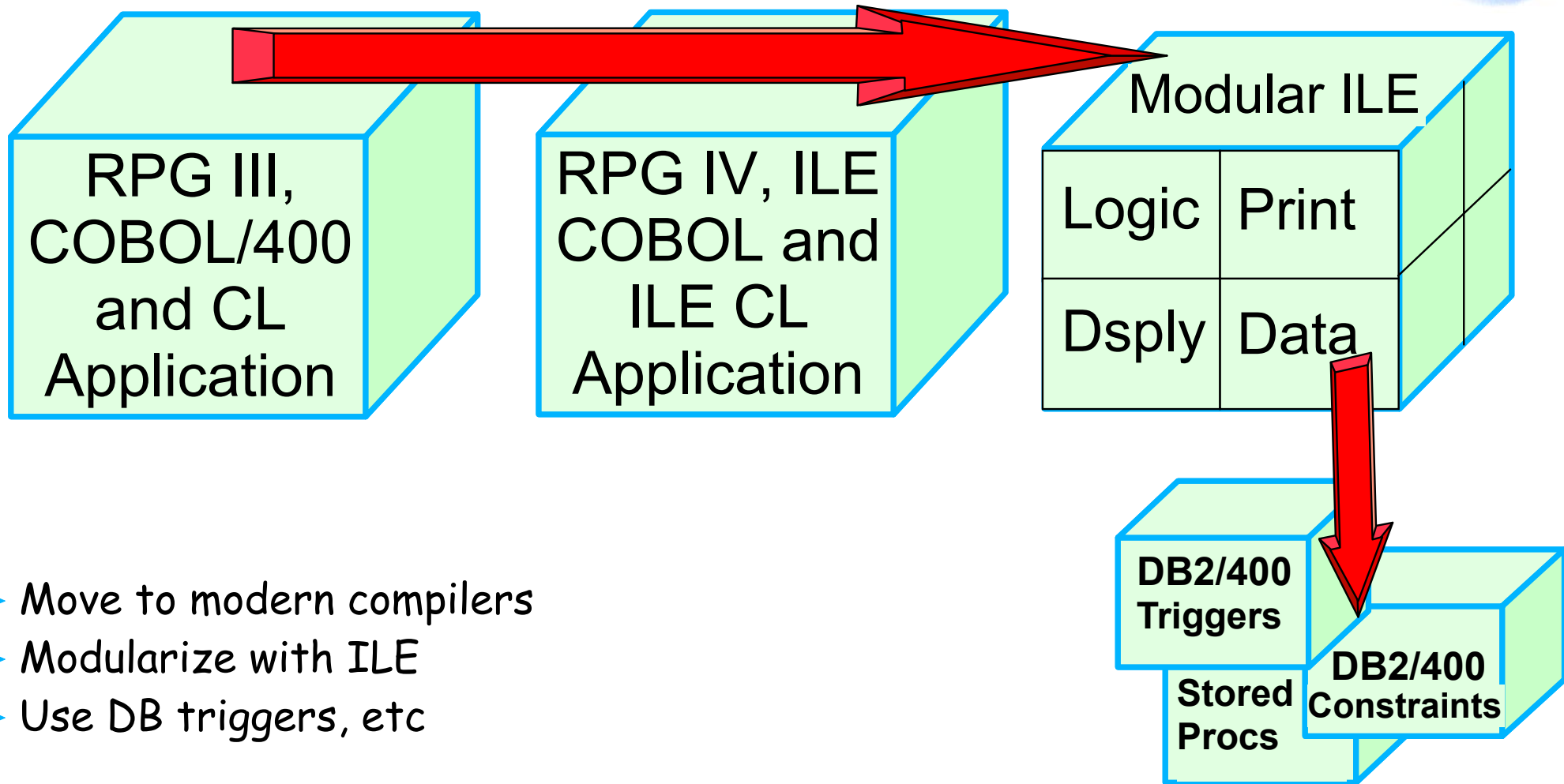
- WAS processor units = 1.5
- WAS licenses required = 2
- WCS processor units = 0.9
- WCS licenses required = 1

Phasing In ...



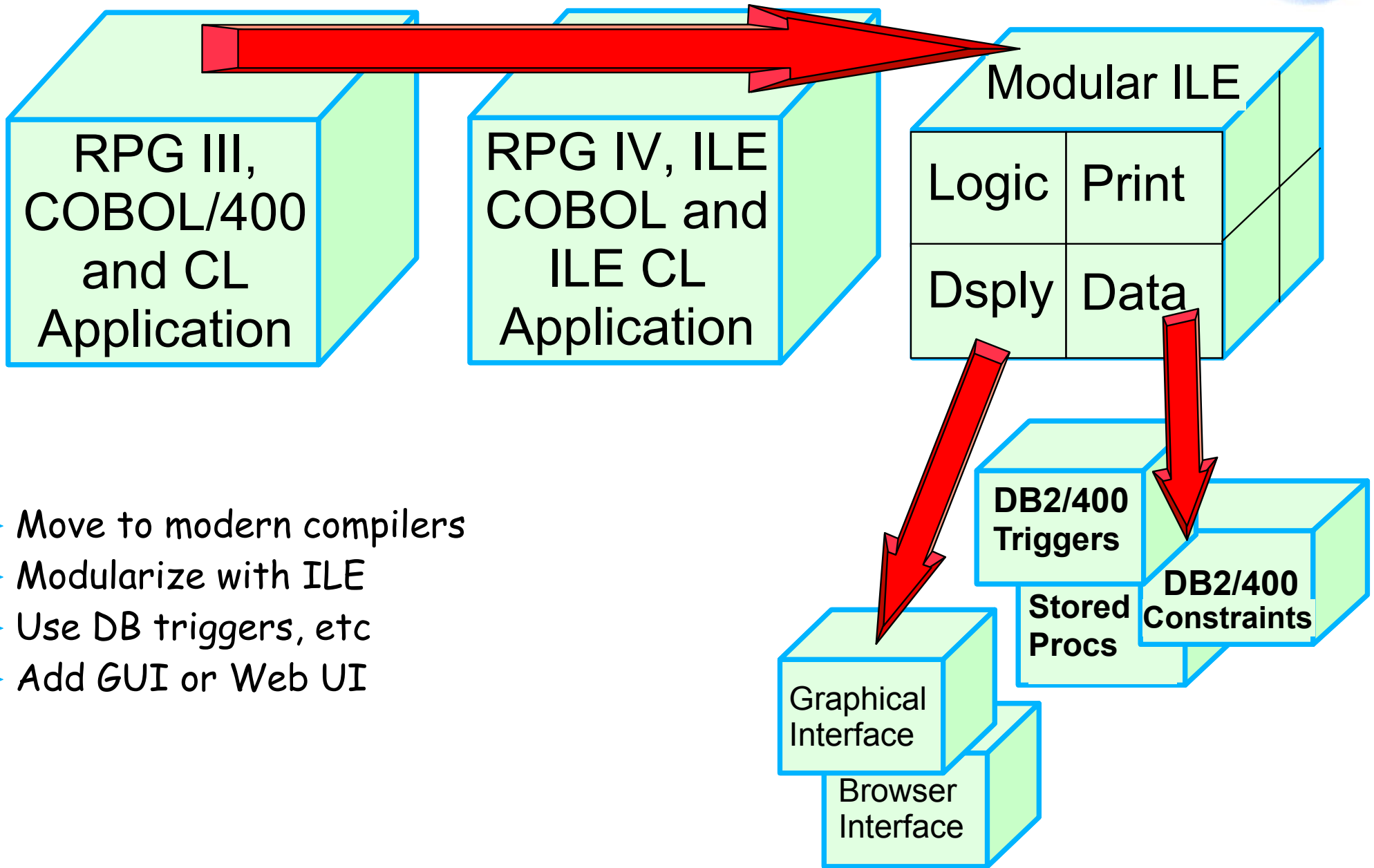
- ▶ Move to modern compilers
- ▶ Modularize with ILE

DB2 Functions Added ...



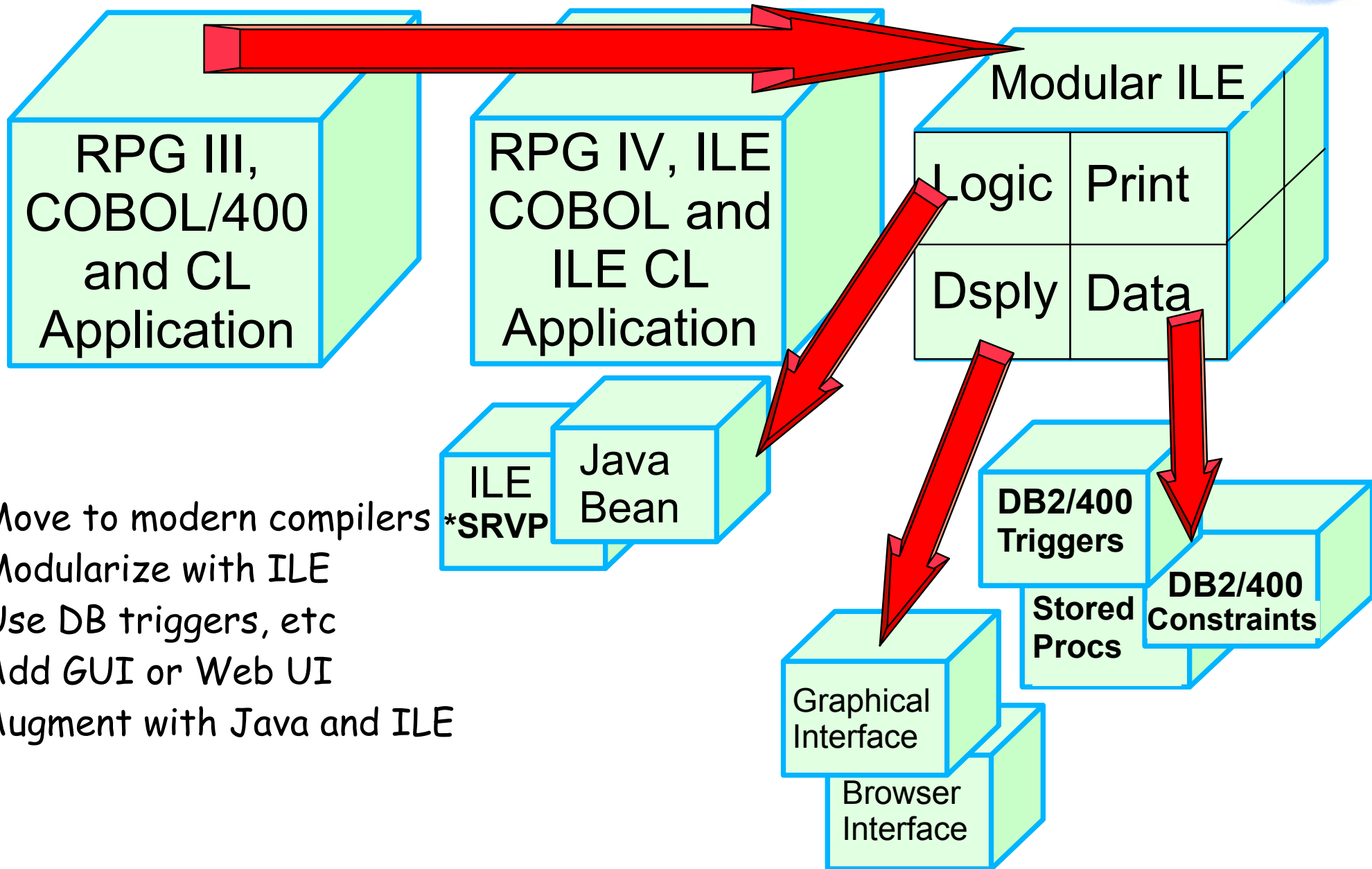
- ▶ Move to modern compilers
- ▶ Modularize with ILE
- ▶ Use DB triggers, etc

Change the Look of the Application ...



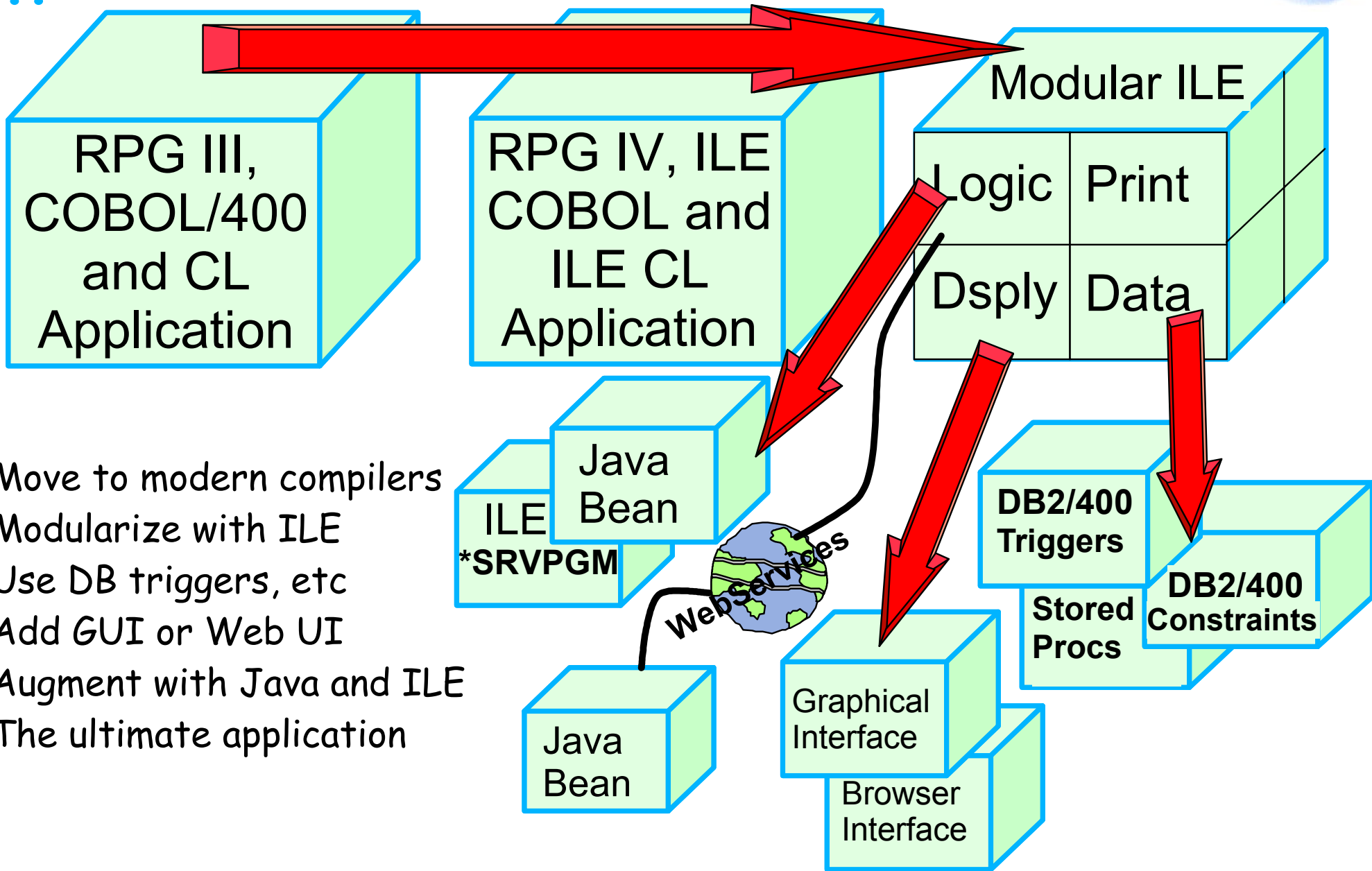
- ▶ Move to modern compilers
- ▶ Modularize with ILE
- ▶ Use DB triggers, etc
- ▶ Add GUI or Web UI

Extend Application with New Function ...



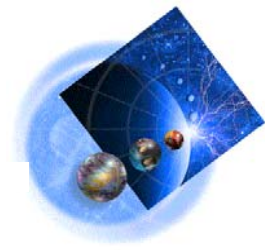
- ▶ Move to modern compilers
- ▶ Modularize with ILE
- ▶ Use DB triggers, etc
- ▶ Add GUI or Web UI
- ▶ Augment with Java and ILE

Ready to Try the Ultimate?? WebServices



- ▶ Move to modern compilers
- ▶ Modularize with ILE
- ▶ Use DB triggers, etc
- ▶ Add GUI or Web UI
- ▶ Augment with Java and ILE
- ▶ The ultimate application

Getting Started with WebSphere with iSeries



<http://www-1.ibm.com/servers/eserver/iseries/software/websphere/wsappserver/docs/doc.htm>

Access this URL for one-stop shopping to find out about:

- Getting Started
- Checklists
- Migration
- Documentation
- Release Notes
- PTFs
- Performance
- Samples

The screenshot shows the IBM WebSphere Application Server documentation page for iSeries. The page features the IBM logo at the top left, a navigation menu with links for Home, Products & services, Support & downloads, and My account. Below the navigation menu is a breadcrumb trail: Products > Servers > Integrated application servers > Software > WebSphere Application Server. The main heading is "WebSphere Application Server". Below the heading, it states "This page lists all the documentation for the WebSphere Application Server." and "Updated: October 19, 2001". A "Documentation" section follows, listing three editions: Advanced Edition (with links for Version 4.0, Version 3.5, and Version 3.0.2), Advanced Single Server Edition (with link for Version 4.0), and Standard Edition (with links for Version 3.5, Version 3.0.2, Version 2.0.3.1 and 2.0.2, and Version 1.1). A left sidebar contains a "WebSphere Home" section with links for What's New, About WebSphere, Ordering, Documentation, FAQs, Samples, PTFs, Performance, Migration, Forum, Newsletter, and Related Resources. The footer contains links for About IBM, Privacy, Legal, and Contact.



Getting Started with WAS 3.5



<http://www-1.ibm.com/servers/eserver/series/software/websphere/wsappserver/docs/as400v35/docs/indexiic.html>

IBM WebSphere Application Server for AS/400
Advanced Edition [site map](#) [search](#)

Home
-- Administratio
-- Programming

[Home](#) [Introduction](#) [Installation](#)

[WebSphere
Application Server
for iSeries](#)

[Installation and Initial
Configuration](#)

- [Introduction](#)
- [Additional Resources](#)
- [Checklist](#)
- [Planning the installation](#)
- [Installing WebSphere](#)
- [Configuring WebSphere](#)
- [Starting WebSphere](#)
- [Verifying the Installation](#)
- [Troubleshooting](#)

[Search](#)

Installation and initial configuration of WebSphere Application Server for iSeries

This topic describes what is required to install and start WebSphere Application Server for iSeries. It also provides instructions on how to configure your iSeries server, the WebSphere administrative domain, and IBM HTTP Server for AS/400; and how to verify that the WebSphere Application Server was started successfully.

You can print the information in this topic by using the [Installation and initial configuration PDF](#).

Note: This information is also available as a [checklist](#) that you can print out.

[Introduction](#)

This section provides a brief description of WebSphere Application Server for iSeries.

[Additional resources](#)

This section provides links to additional resources regarding the use of WebSphere Application Server for iSeries.

The installation and initial configuration of WebSphere Application Server for iSeries includes the following steps:

1. PLANNING

[Step 1: Planning the installation and initial configuration](#)

This step describes a series of tasks that you should complete before you install WebSphere Application Server for iSeries to ensure that all the prerequisites are met.

2. INSTALLATION

[Step 2: Installing WebSphere Application Server](#)

This step describes how to install the WebSphere Application Server product on your iSeries system and the Administrative Console on your workstation.

3. INITIAL CONFIGURATION

[Step 3: Creating an initial configuration](#)

This step describes how to configure your iSeries system, the WebSphere administrative domain, and your HTTP Server so that WebSphere Application Server will run correctly.

Checklist: WAS 3.5 installation & configuration



<http://www-1.ibm.com/servers/eserver/series/software/websphere/wsappserver/docs/as400v35/docs/indexiic.html>

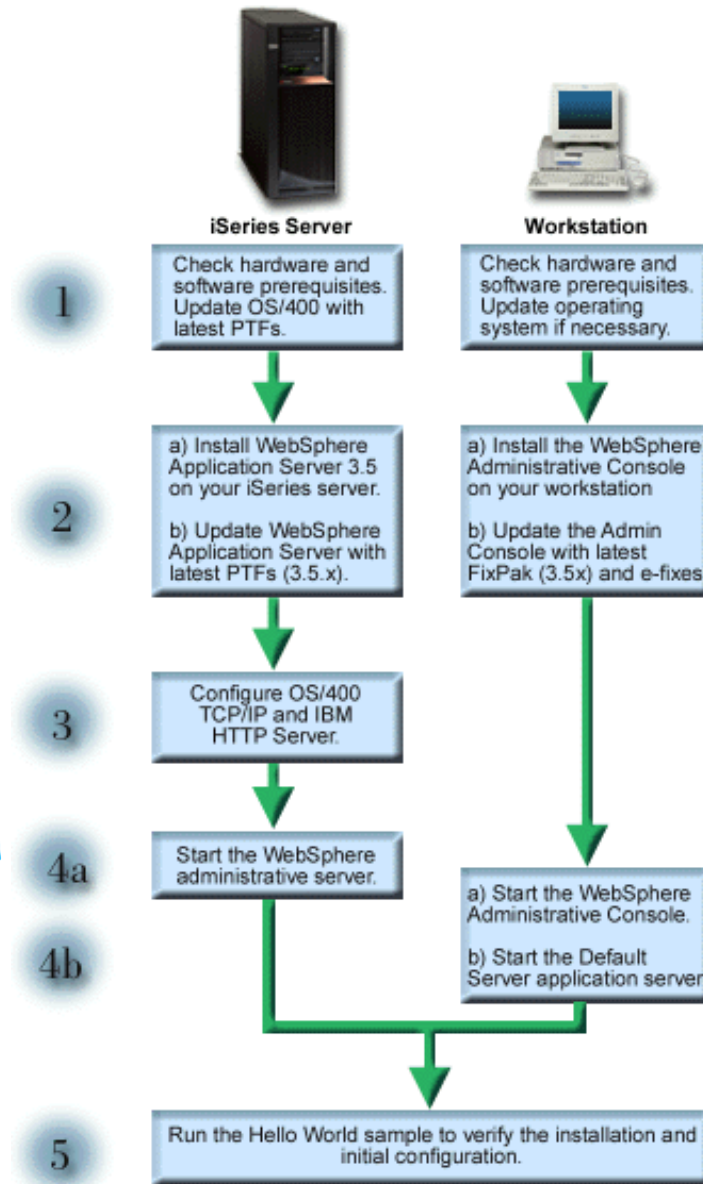
Step 1: Planning the installation and initial configuration

Step 2: Installing WebSphere Application Server

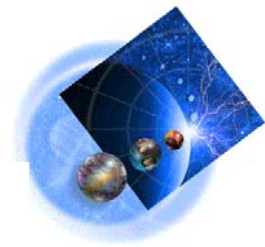
Step 3: Creating an initial configuration

Step 4: Starting the WebSphere Application Server environment

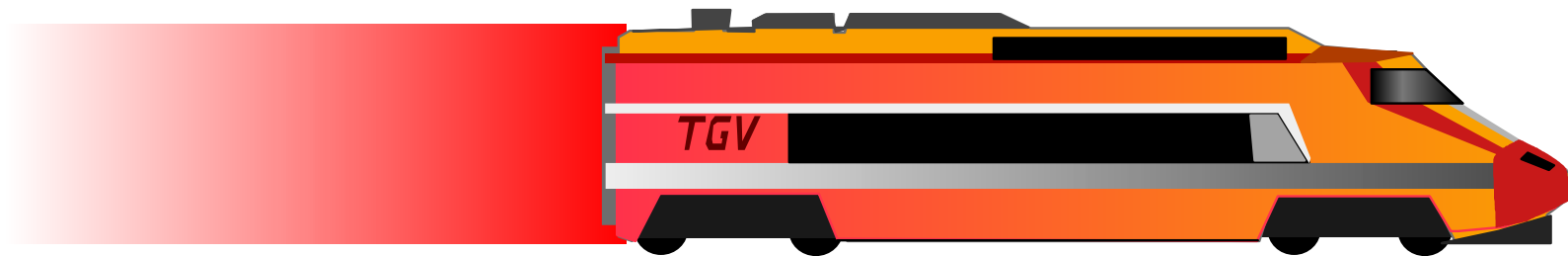
Step 5: Verifying the installation



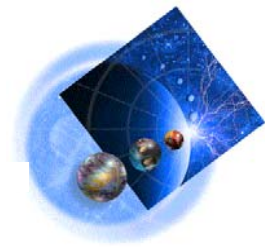
YES!!!



Are There "Faster" Ways to WebSphere & e-Business??



Your Options



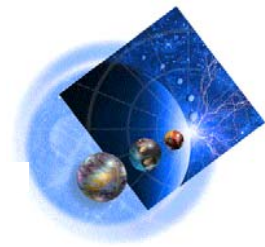
Buy a Web-Enabled Application

- ▶ many vendors have already converted their code

Build a Web-Enabled Application

- ▶ iSeries Access for the Web
- ▶ Host Publisher
- ▶ WebFacing
- ▶ Domino
- ▶ WebSphere Commerce Suite
- ▶ WebSphere Portal Server

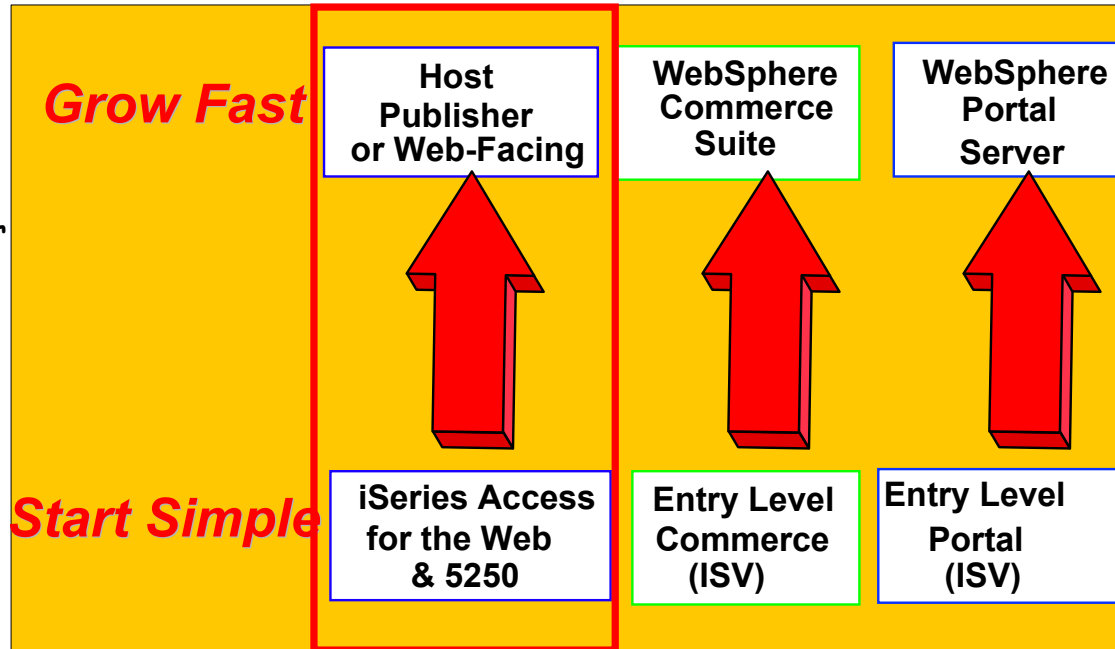
Start Simple Grow Fast Application ReFacing



Questions to ask...

#1 - Do you want to have your end-users be able to access your iSeries with just a browser? (*Start Simple*)

#2 - Do you want to modernize the look/feel of your existing 5250 applications? (*Grow Fast*)



Start Simple...

- **iSeries Access for Web**
- Bundled with Client Access
- No additional charge!

...Grow Fast

- **Host Publisher -or-**
- **WebFacing**
- No additional charge!

iSeries Access for Web



iSeries Access for Web

(Product Number 5722-XH2, V5R2)

- **Fully translated, including DBCS NLVs**
- **Available on:**
 - OS/400 V5R1 and V5R2
- **Requires a web application server:**
 - WebSphere Application (Advanced and Single) Server 4.0
 - IBM HTTP Server with the "Tomcat" plug-in from the Apache Software Foundation (ASF)
- **Can be configured to run with more than one web application server and can run concurrently.**
 - WAS Advanced 4.0, WAS Single Server 4.0, and ASF Tomcat can all be installed, configured, and running on an iSeries server concurrently, and V5R2 (5722-XH2) can be configured to run in more than one WebSphere administrative instance concurrently.
 - iSeries Access for Web V5R1 (5722-XH1) and V5R2 (5722-XH2) can be installed and run on the same iSeries server concurrently

What is iSeries Access for Web?



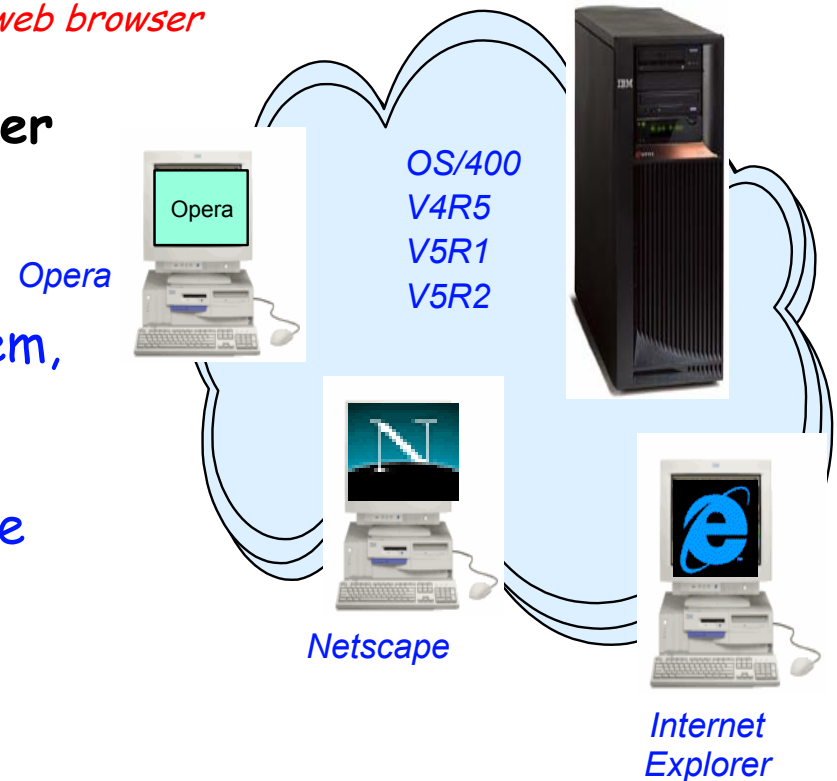
End users can leverage business information, applications, and resources across an enterprise by extending the iSeries resources to the client desktop through a web browser

Provides access to iSeries through a browser

- 5250 access
- Access to database, integrated file system, printers, output queues, jobs
- Can run batch commands and send/receive messages

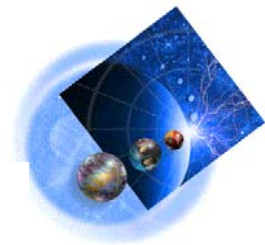
It has the following advantages:

- Is server based
- Requires only a browser on the client, no configuration required at desktop, no applets installed on desktop
- Uses industry standard protocols - HTTP, HTTPS and HTML



Windows, Linux, Macintosh, UNIX/AIX, OS/2, ...

Functions You Can Perform



My Personal Folder

Print

- Printer output
- Printers
- Internet Printers
- Printer shares
- Output Queues

Database

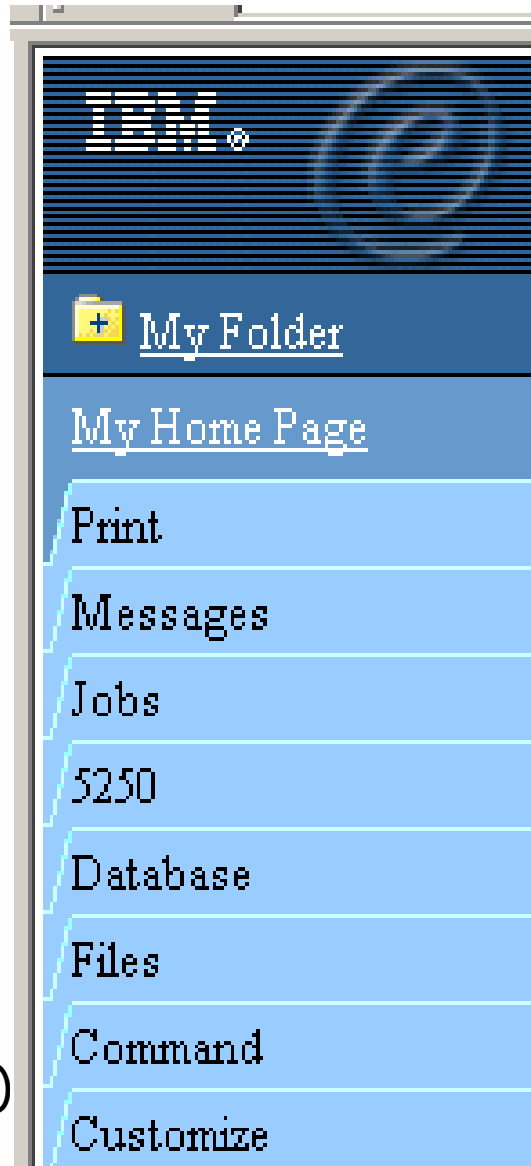
- Tables
- My Requests
- Run SQL
- Copy Data to Table
- Import Requests

5250

- Start 5250 Session

Commands

- Run commands (Batch)



Files

- Browse Files (in IFS)
- File Shares (in NetServer)

Messages

- Display Messages
- Send Messages
- Operator Messages
- Message Queue

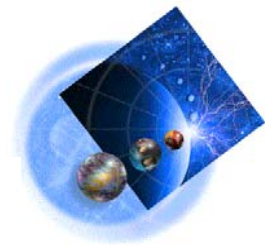
Jobs

- User Jobs
- Server Jobs

Customize

- Administrator controls access to functionsu by user or group of users:
 - Can customize front page
 - Can limit what tasks can be performed

New Integrated 5250 Interface



USER USER TASKS SYSTEM: R

SELECT ONE OF THE FOLLOWING:

- 1. DISPLAY OR CHANGE YOUR JOB
- 2. DISPLAY MESSAGES
- 3. SEND A MESSAGE
- 4. SUBMIT A JOB
- 5. WORK WITH YOUR SPOOLED OUTPUT FILES
- 6. WORK WITH YOUR BATCH JOBS
- 7. DISPLAY OR CHANGE YOUR LIBRARY LIST
- 8. CHANGE YOUR PASSWORD
- 9. CHANGE YOUR USER PROFILE

- 60. MORE USER TASK OPTIONS

- 90. SIGN OFF

SELECTION OR COMMAND

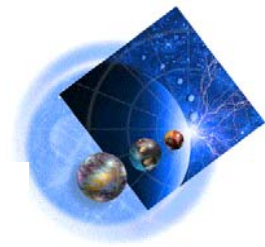
===>

F3=EXIT F4=PROMPT F9=RETRIEVE F12=CANCEL F13=INFORMATION ASSIST
F16=AS/400 MAIN MENU

- Full use of keyboard
 - Mouse not required to work with keyboard keys
- Can specify workstation (device) ID
- Keypads
- Macros
 - Contains a series of cursor position commands and user input
- 132-column support
 - Screen will auto-switch as needed
- Configurable 'Web' or 'Traditional' view



V5R2 - e-mail output and PDF conversion



'e-mail' results as attachment

- Can send results to a recipient with status sent to sender for:

- A database (SQL) action
- CL command
- File command
- PDF view of print information

- A one-step way to distribute information across the network, and particularly useful when recipient is not an iSeries user.

Convert output to .pdf

iSeries Access for Web
webaccess

Printer Output for webaccess

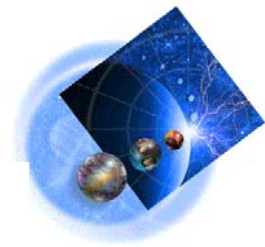
« « « [1] » » » ↻


File Name	User Data	Creation Date/Time	Pages Per Copy	Copies	Status
QPRINT		3/28/02 1:09 PM	1	1	Ready
QPJOBLOG	QPADEV000C	4/11/02 10:30 PM	2	1	Ready

QPJOB1

Action	Preview
Hold Print Next Delete PDF	GIF TIFF PCL AFP Viewer
Hold Print Next Delete PDF	GIF TIFF PCL AFP Viewer
Hold Print Next Delete PDF	GIF TIFF PCL AFP Viewer
Hold Print Next Delete PDF	GIF TIFF PCL AFP Viewer
Hold Print Next Delete PDF	GIF TIFF PCL AFP Viewer
Hold Print Next Delete PDF	GIF TIFF PCL AFP Viewer

V5R2 - My Folder



IBM  iSeries Access for Web
cruiner

My Folder

- My Home Page
- Print
- Messages
- Jobs
- 5250
- Database
- Files
- Command
- Customize
- Other

Related Links:
iSeries Access for We

- **Container resides on the web server and can only be accessed by owner**
 - An easy way to avoid large attachments (for example a large query result)
- **Can place information in other users' My Folders**
 - Mechanism for workflow.
- **Combine new 'Mail' function with 'My Folder' function**
 - Send email to others when I place information in their folder
 - Be notified when new items are placed in my folder.

'Mail' or 'Personal Folder' is good for:

- Long-running requests (actions performed asynchronously so the browser is not tied up)
- Perform requests for someone else or distribute results to a group of users

Main Web Page - traditional users familiar with iSeries



IBM **iSeries Access for Web**
cminer RCHAS1DD.RCHLAND.IBM.COM

My Information
[iSeries Access for Web Main Page](#)
[Printer Output](#)
[Messages](#)
[Send Message](#)
[Start 5250 Session](#)
[Database Requests](#)
[Preferences](#)

My Applications
You can have links to your web applications and iSeries Access for Web on your own home page! For more information about customization, see [Customizing iSeries Access for Web](#) below.

Related Products
[WebSphere Application Server for iSeries](#)
[WebSphere Development Tools for iSeries](#)
[WebSphere Development Studio for iSeries](#)

IBM @server
iSeries Access for Web

Welcome to iSeries Access for Web!

The iSeries Client Access team has a history of providing easy-to-use and highly functional PC-to-iSeries server connectivity solutions -- and now we are excited to provide a new generation of software that enables you to access your iSeries server information and resources through a web browser! For more information about iSeries Access for Web, see [What is iSeries Access for Web](#) below.

This web page is an example of integrating parts of iSeries Access for Web into your own homepage. In this example, the left navigation bar has Access for Web links. The right navigation bar, of course, has links to information about Rochester, MN, where

Rochester Information
[City information](#)
[Movies](#)
[Mayo Clinic](#)

Rochester Weather
Rochester, MN
12:00 PM CDT
Partly Sunny
73°F
E 12 MPH
[theweathercenter.com](#)
[SkyCam](#)

Rochester News
[PostBulletin](#)
[KTTC](#)

Telephone Directory
[Find a person](#)
[Find a business](#)

<http://www.ibm.com/software/webservers/hostpublisher/>

url address is: www.<iseries>.com/webaccess/iWA



Sample Web Page - users not familiar with iSeries



Links Search t >> Address http://p116ab:2026/webaccess/IWAHome



Services

- [View available boats](#)
- [See boat details](#)
- [Order a boat](#)

- [Work with invoices](#)
- [Check messages](#)
- [Check system messages](#)
- [Administrator tasks](#)
- [Manage incoming items](#)
- [Monitor jobs](#)

This Week's Special



Beautifully maintained 28 foot 1978...
for only \$23,900. Head and galley re...
Only 31 hours on completely rebuilt...
see this boat cruising the seas.

Great Deals

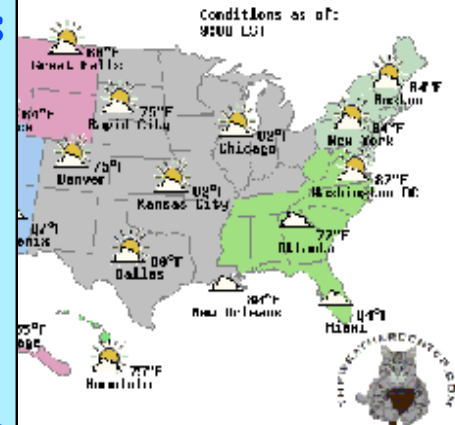
For those bargain conscious among y...
selection of new and slightly used bo...
\$75,000. Whether you are planning...
backyard pond or navigating the migh...
can meet your wants, needs, or desir...
[View our selection of moderate price...](#)

Site Support

Your comments are important to us. Please let us know if you have any questions or if we can help you in any way. Address your message to user...
[Send us a message](#)

Conditions

ay for boating? Check out today's

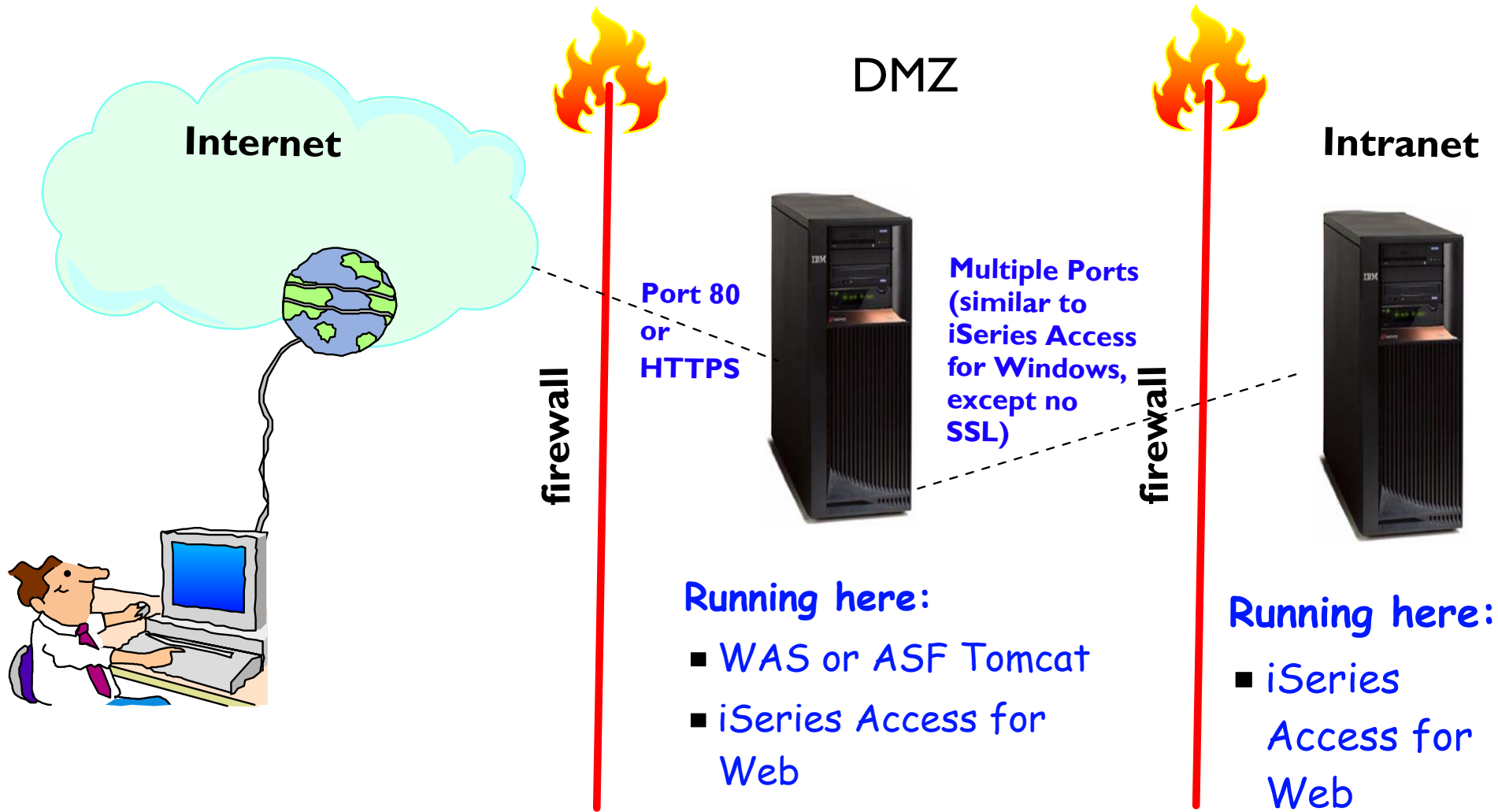
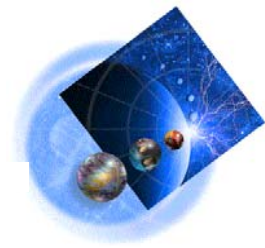


Access for Web provides customization capabilities

- Could be used as 'entry' point to iSeries
- Run your Host Publisher or WebFacing applications from here

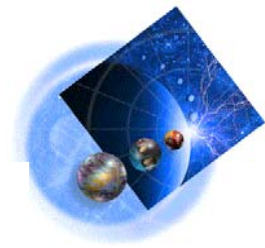


Using a DMZ*



*Dmz = Demilitarized Zone

Application Re-facing Solutions



WebSphere Products Available!

- WebSphere Host Publisher
- WebSphere Development Studio (Web Facing)

EMPS EDT CHANGE

Employee Id

Employee Name

Employee Position

Employee Status

Department Id

Employee E-Mail

Employee Work Tel No.

Employee Home Tel No.

Employee Hire Date

Employee Birth Date

Employee Current Age

Employee Height

Employee Weight

F3=Exit F4=Prompt

1 - COOLAS00 - NewLook

File Session Edit View Macros Tools Function Keyboard Window Help

1/12/00 15:00:28

Maintain Employee Details

STERLING SOFTWARE

Employee Id HTD

Employee Name Harki Dodia

Employee Position SENIOR ANALYST

Employee Status A

Department Id 2EPLEX COOL:Plex and 2E Support

Employee E-Mail Harki.Dodia@Sterling.com

Employee Work Tel No 972/801-7502 Ext

Employee Home Tel No 972/618-6148

Employee Hire Date 8/1/94

Employee

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Phone Send Email MS Word Excel Help

Homepages

COOL:2E Support

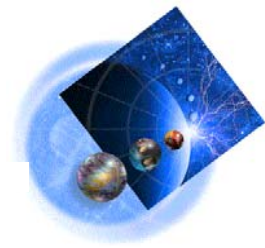
Sterling Software

Look-Software

OK Exit Prompt

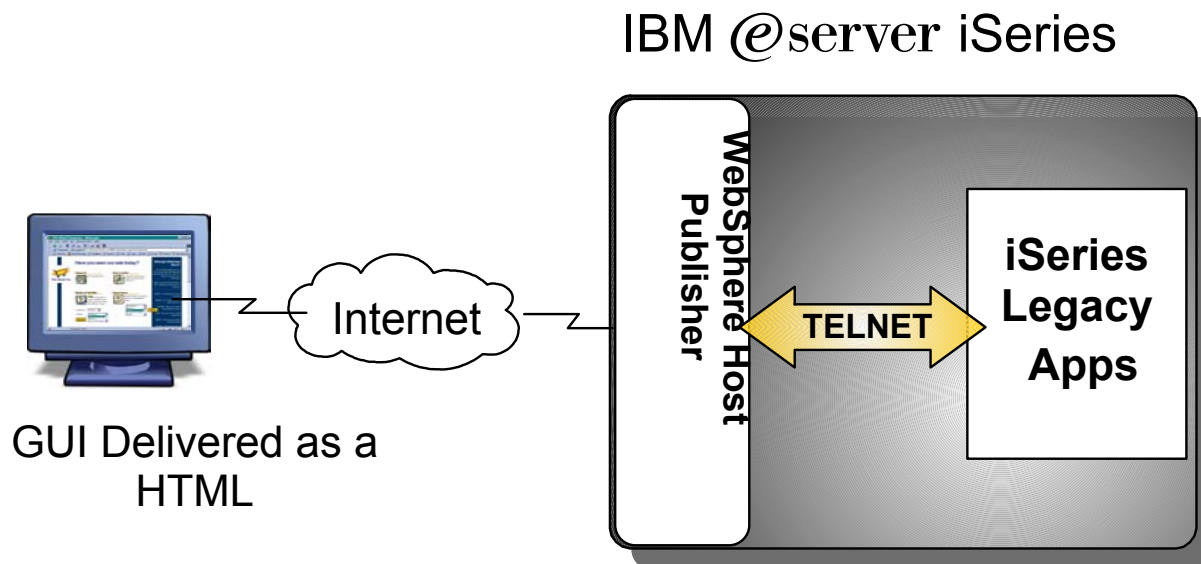
ENU OVR ? < >

WebSphere Host Publisher - benefits

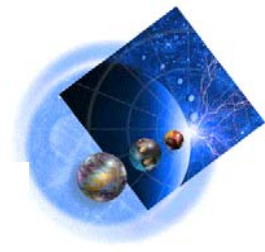


Benefits

- Enable programmers to:
 - Replace traditional green screens with a Web look and feel
 - Streamline navigation through an application so end user productivity of an existing application is improved --making it easier to learn and use
- Enable end users to:
 - Run applications from any desktop operating system through any browser supported by WAS



WebSphere Host Publisher - capabilities



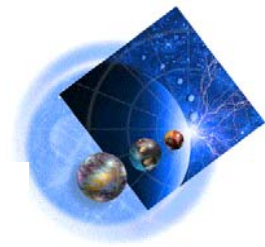
Capabilities

■ Enable programmers to:

- Modernize iSeries (5250), zSeries (3270), and DEC/UNIX (VT) applications without changing the host applications -- in fact you don't even need the source code!
- You don't need to modernize entire application -- simply select the paths you want to publish to the Web
- Turn system screens into Web pages
- Consolidate multiple applications into a single composite Web page

- Easily customize and add business logic to your existing host application where needed
 - ▶ Can create a database application using Host Publisher
 - ▶ Can combine another IBM connector solution (like MQ Series) or industry-standard Java pages (JSPs)
- Extend to Pervasive devices
 - ▶ Further leverage your host application investments by extending legacy access to users of cell phones or Palm Pilots by combining use of other WebSphere technologies

Key Components of Host Publisher



Development environment is a task-oriented, graphical user interface that runs on a PC with Microsoft Windows

**WebSphere
Host
Publisher**

Run time environment runs on WAS on iSeries

**Host
Publisher
Studio**

**Host
Publisher
Server**

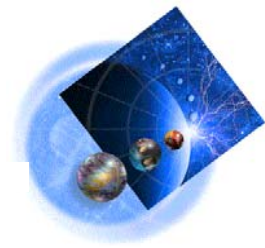
Development Environment

- ▶ Generates Integration Objects
- ▶ Contains Java bean factories
- ▶ Generates Java Server Pages and J2EE files

Run Time Environment

- ▶ Contains session management
- ▶ Provides a run-time administration servlet
- ▶ Has Iog and trace management
- ▶ Contains Java classes for connection management
- ▶ Provides Servlet API support

What are the steps?

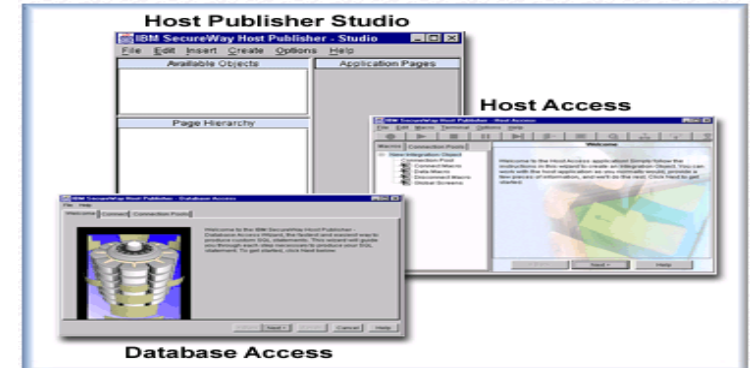


- 1. Install/configure Host Publisher Server in WAS**
 - get it ready for use
- 2. Start the WebSphere Host Publisher Studio**
 - Host Access (5250, 3270, VT) or Database Access (JDBC) paths
- 3. Step through the application or host screens -- capturing the information you wish to publish**
 - generates Java beans called Integration Objects
- 4. Import the Integration Objects into the Host Publisher Application Integrator (studio)**
 - generates JSPs and J2EE.ear files
- 5. Perhaps polish your application further**
 - Could use a product in the WebSphere Studio family or other products to enhance the graphical look of the pages
- 6. Install the J2EE files on the application server using WAS Administrator**
- 7. Ready for Web users to enter url to access the application**

WebSphere Host Publisher Studio - Host Access



The 'Host Access' component works with existing 5250, 3270, and VT applications or host screens to provide data and functions in a web page



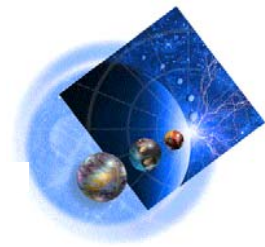
Host Access interacts with host tasks

- Host 'green screen' applications or system screens (ie, OS/400 screens such as working with spool file)
- Entering input, extracting output
- Represents them as reusable Java bean components
- Data from multiple host applications or system screens can be combined in a single web page

Benefits

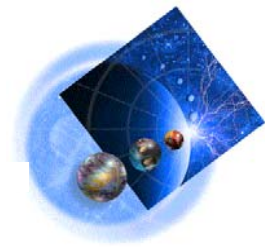
- Host Publisher hides the complexity of obtaining the data
- No changes to host applications needed!
- Mission critical data can be presented to new users in new ways

Capturing Your Screens



- Step through your application
- Picking the input/output fields you want to display
- Watch on the left as Host Publisher is building the JSPs

Working through the Studio



Object Configurations

Macros | Connection Pools

- Ws_simple_boats
 - iseriesd
 - iseriesd.dfw.ibm.com
 - Connect Macro
 - SignOn.1
 - _userid
 - _password
 - [enter]
 - os400mm.1
 - os400mm.1
 - boats[enter]
 - as400wbd.1
 - as400wbd.1
 - Data Macro
 - as400wbd.2
 - type
 - [enter]
 - as400wbd.3
 - as400wbd.3
 - m1
 - m2
 - m3
 - m4
 - [pf1 2]
 - as400wbd.5
 - as400wbd.5
 - Disconnect Macro

Host Access

You can now work with this Integration Object. You can:

- Replay the entire macro, or just parts of it
- Modify the session and connection definitions
- Add conditional paths and loops within the interactions

Refer to the online User's Guide for more information on how to use the Host Access application to customize your Integration Objects. Select New from the File menu to create a new Integration Object.

```
AS/400 MSG Boat Demo 4/26/02 11:55:39

Your search parameters:
Type          A      P=Powered, S=Sailing, T=Tug, C=Commercial, A=All
Length (feet)      feet to start from
Year built         year to start from

                24 boats match your search

l=Detail:
Type and Model      Feet   Year   US$
- - - - -
A Hangar            20    1940   100,000,000
A Spandaul          72    2000   100,000,000
A MOLSLINIEN       300    1999   100,000,000
A Spandau           720    1999   100,000,000
C Poole Boat Co Aluminum  80    1979   1,000,000
P Mako Sportfisher  19    1989   19,000
P Carver Santa Cruz  28    1978   23,900
P Monk Flybridge/Sedan  34    1985
P Monk Bridgedeck Cruiser  36    1956   19,900
P Monterey Marine Custom  80    1996   2,275,000
More ...

F)=End F12=New search

MS*  a 11/003
```

- Continuing through the 5250 application
- Identifying what you want to display...

Testing / Debugging your application



You can use the Host Publisher Display Terminal function for debugging

- You can run the 5250 application in its green-screen view right next to your modernized application
- Enables you to see the paths through your 5250 application that your modernized application is going to take.

Wholesale Sports: Order Application

Apparel - Men

quantity	UDI	description
0		Apparel - Men
0		Apparel - Golf
0		Running
0		Basketball
0		Apparel - Women
0		Apparel - Running
4		Golf
0		Footwear
0	20.00	0.00
0	20.00	0.00
0	20.00	0.00
0	20.00	0.00

Enter quantity to order Total cost: \$140.00

5250 Terminal View:

Date: 11/05/99 Time: 12:09:21

Dup No 02 000251303 SHINGLER RAY C & SUSAN L/H&W RIDGEWOOD CREEK
UNIT 1 LOT 16
DR467 P61 VLACD DITCH

Cls 510 Mtg 3604 CHIMNEY HILL CT
4/16/96 355 VALPARAISO IN46383

00 Consv 2 Bk/Pg 000 000 Inst # Tx Sale N BANKRUPT

Address --> NO ADDRESS FOUND Pre.Dupl. 278560
New.Dupl. 0

Land-Res	Impr-Res	Land N-R	Impr.N-R	Exempt	Net Value	C.of E.#
3430	20230	0	0	3000	20660	0
0	0	3430	20230	0	23660	0
0	0	3430	20230	0	23660	0
0	0	3430	20230	0	23660	0

Y N N N Hmstd Y N N N Age N N N N DisVet N N N N Solar N N N N
N N N N Ww1 N N N N Blnd/dsabl N N N N Tx Exmpt N N N N

Tax Due	Tax Paid	Date	Penalty	Pen.Paid	Date	Date Appld
793.42	793.42	5/12/97	.00	.00	0/00/00	5/03 0/00
793.42	793.42	11/10/97	.00	.00	0/00/00	11/13 0/00
965.59	965.59	5/11/98	.00	.00	0/00/00	5/12 0/00
965.59	965.59	11/10/98	.00	.00	0/00/00	11/18 0/00
909.92	909.92	5/10/99	.00	.00	0/00/00	5/24 0/00
909.92	.00	0/00/00	.00	.00	0/00/00	0/00 0/00

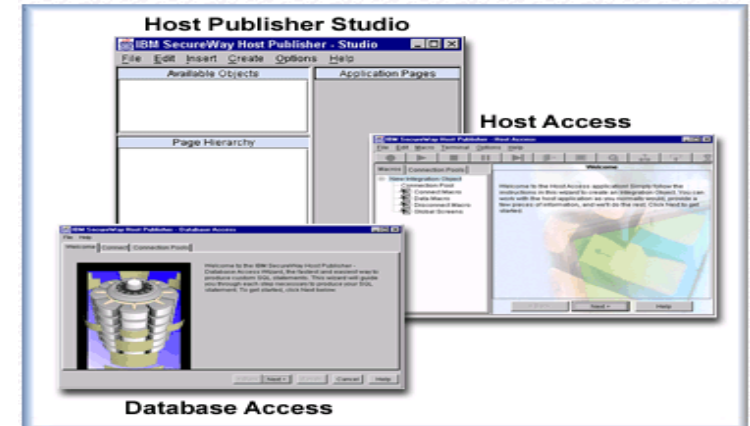
F14-C0 F16-D1 F20-SW

ENTER DUP NO F5-NAME F7-ADDR F9-NOTES F10-PADDR F11-BK/PG F12-RTRN

WebSphere Host Publisher Studio - Database Access



The 'Database Access' component is used to create SQL Integration Objects that can access relational databases



- Includes iSeries JDBC driver
- AS/400 Toolbox for Java

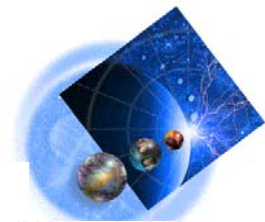
The 'Database Access' component is used to create Integration Objects that can access databases

- Supports **any relational database** that provides **JDBC drivers**
- Can access DBA data over the network using JDBC driver in DBA Connect

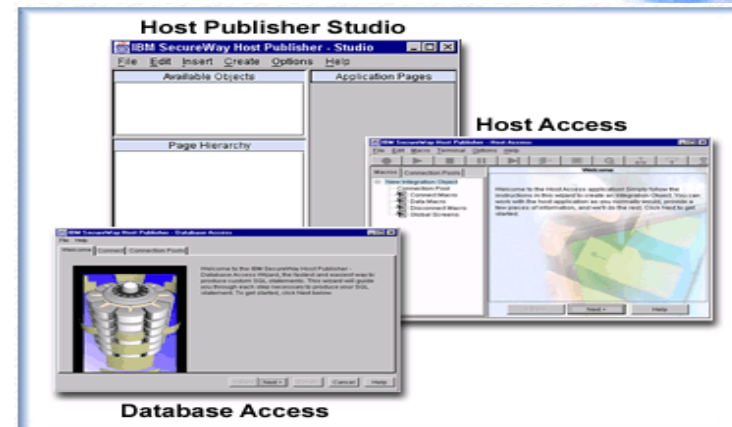
Database Access enables you to:

- Perform SQL inserts, updates and deletes in conjunction with DB2 UDB for iSeries, and
- Represent them as reusable Java bean components

WebSphere Host Publisher Studio - Application Integrator



The 'Application Integrator' component is used to Java Server Pages (JSPs) and J2EE.ear files

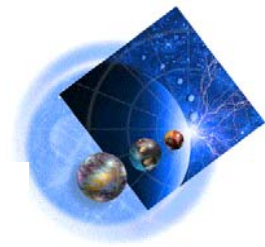


The 'Application Integrator' component is an interactive application builder for integrating Java components

- Host access beans
- Database access beans
- Other Java applications

Also used to build composite applications

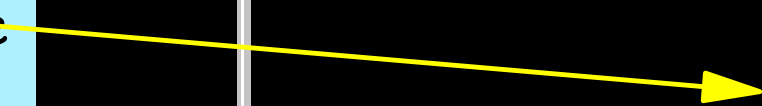
Example: Green Screen Application



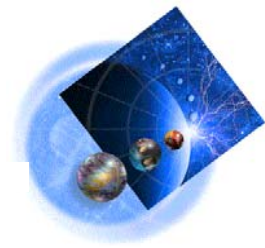
```
com.ibm.HostPublisher.Server
C          DMS/US SECURITY SYSTEM          DMSCT01
          KEY YOUR SECURITY CODE          VER96:19
          -
          HIT ENTER
```

- User must provide a valid Security Code in order to access this application
- This screen quite unnecessary

```
com.ibm.HostPublisher.Server
M          DMS/US SECURITY SYSTEM
          THANK YOU
          CASE MANAGEMENT
          SECURITY CLEARED
          HIT ENTER
```



Example: Case Management System



```
com.ibm.HostPublisher.Server.HodConn:Thread-29: #291
CASE MANAGEMENT SYSTEM
CIRCUIT MASTER MENU

L = LAW MENU
H = CHANCERY MENU
R = CRIMINAL MENU
J = JUVENILE APPEAL MENU
A = ADOPTION MENU
M = MISCELLANEOUS ACTIVITY MENU
S = SEALED INDICTMENTS
Z = FINANCIAL SYSTEM

M&T co er.server.hodconn:thread-29: #291 01/02
```

Multiple paths through this application

'Web-ized' 3 Paths Through Application



Virginia Courts Automated Information System - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Location: <http://www.piner.com/hostpub/va2.htm>

IBM

Virginia Courts Automated Information

Arlington Circuit

Select court division for search and then click "Continue".

Criminal
Law
Chancery

Continue

Logoff

Criminal
Criminal cases are controversies between the State and persons accused of a crime.

Law
Law cases are civil cases which involve disputes essentially private in nature between two or more parties. Law cases usually involve a monetary settlement. For example, contract disputes and suits resulting from automobile accidents are law cases.

Chancery
Chancery cases, like law cases, also are civil cases which involve disputes essentially private. Chancery cases usually involve questions of equity. For example, divorce and property suits are chancery cases.

Note

Order listed changed

- From: Law, Chancery, Criminal
- To: Criminal, Law, Chancery

Several paths through application not included in this view

Check out

<http://www.piner.com> to see this application and others that have been modernized using Host Publisher

iSeries Access Family Packaging



V5R2 5722-XW1 iSeries Access Family	V5R1 5722-XW1 iSeries Client Access Family	V4R5 5722-XW1 AS/400 Client Access Family for Windows
<ul style="list-style-type: none"> ● 5722-XE1, V5R2 iSeries Access for Windows 	<ul style="list-style-type: none"> ● 5722-XE1, V5R1 AS/400 Client Access Express for Windows 	<ul style="list-style-type: none"> ● 5769-XE1, V4R5 AS/400 Client Access Express for Windows
<ul style="list-style-type: none"> ● 5722-XH2, V5R2 ● iSeries Access for Web 	<ul style="list-style-type: none"> ● 5722-XH1, V5R1 ● iSeries Access for Web 	<ul style="list-style-type: none"> ● 5763-XD1, V3R2M0 AS/400 Client Access for Windows 95/NT
<ul style="list-style-type: none"> ● 5724-B81, V4.0 ● WebSphere Host Publisher 	<ul style="list-style-type: none"> ● 5648-E25, V3.5 WebSphere Host Publisher 	<ul style="list-style-type: none"> ● 5763-XK1, V3R1M0 AS/400 Client Access for Windows 3.1
	<p>Customers with Software Subscription can get V5R2 family products by ordering no-charge Feature No. 2645 of Product No. 5722-XW1</p>	<p>Customers with Software Subscription can get V5R1 family products by ordering no-charge Feature No. 2643 of Product No. 5755-AS5</p>

Recommended Usage



Options

	OS/400 V5R2	OS/400 V5R1	OS/400 V4R5
	<p>WAS 4.0</p> <ul style="list-style-type: none"> • WebSphere Host Publisher V4.0, 5724-B81 • iSeries Access for Web (V5R2), 5722-XH2 	<p>WAS 4.0</p> <ul style="list-style-type: none"> • WebSphere Host Publisher V4.0, 5724-B81 • iSeries Access for Web (V5R2), 5722-XH2 	<p>WAS 4.0</p>
	<p>ASF Tomcat</p> <ul style="list-style-type: none"> • iSeries Access for Web (V5R2), 5722-XH2 <p>Note: Host Publisher not supported on Tomcat</p>	<p>WAS 3.5</p> <ul style="list-style-type: none"> • WebSphere Host Publisher V3.5, 5648-E25 • Also install ASF Tomcat and run iSeries Access for Web (V5R2), 5722-XH2 under Tomcat <p>Note: Could run iSeries Access for Web (V5R1, 5722-XH1) but has significantly reduced function</p>	<p>WAS 3.5</p> <ul style="list-style-type: none"> • WebSphere Host Publisher V3.5, 5648-E25 • iSeries Access for Web (V5R1), 5722-XH1

WebSphere Development Studio Client



Announcing:

ONE PRODUCT: ALL TOOLS

All host compilers and tools

- ✓ RPG, COBOL, C, C++
- ✓ ADTS (PDM, SEU, SDA, RLU, DFU)
- ✓ "open" IDE workbench

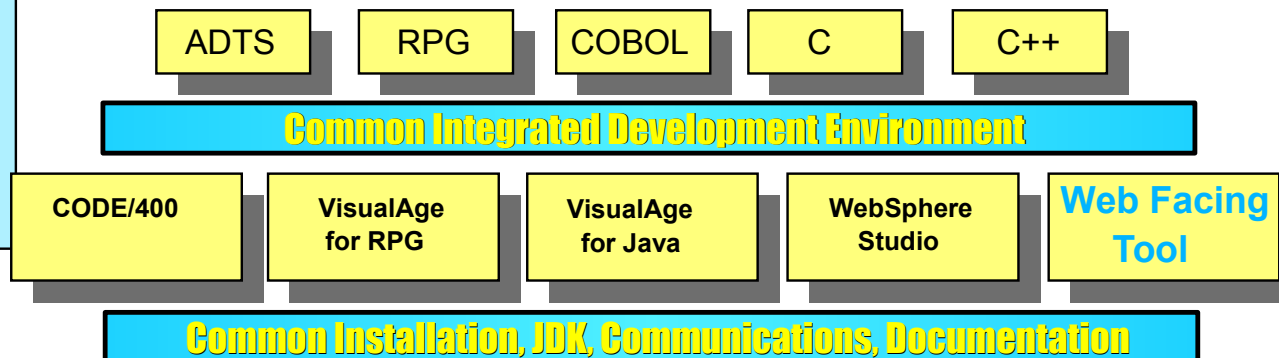
WebSphere Development Tools

- based on eclipse tool set
 - ✓ CODE/400
 - ✓ VisualAge for RPG
 - ✓ VisualAge for Java Pro plus ET/400
 - ✓ WebSphere Studio Pro plus iSeries extensions
 - ✓ **WebFacing**

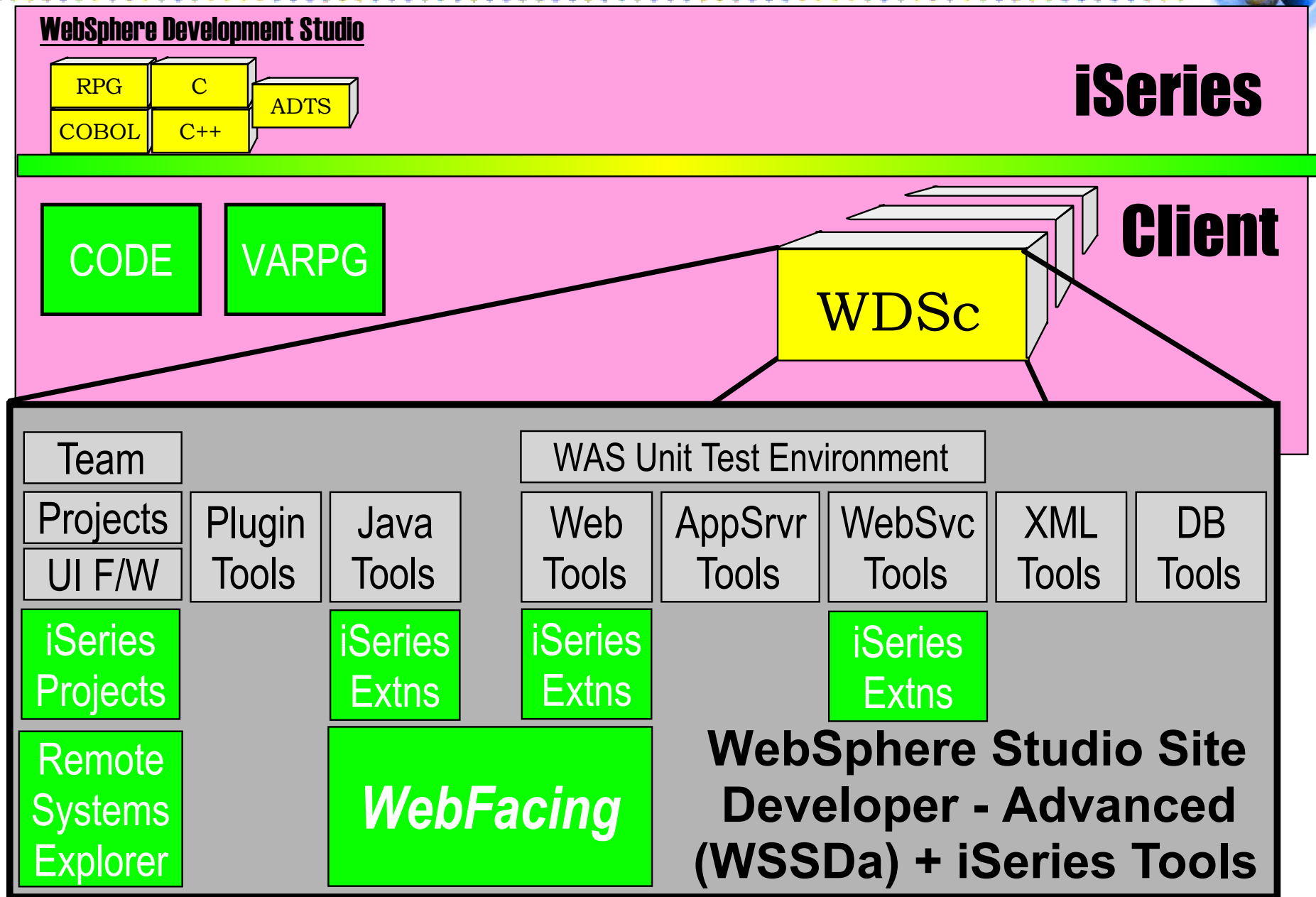
- 5722-WDS: V5R1 & V5R2
- ibm.com/software/ad/wds400

**60,000 copies shipped
since May 23, 2001**

If you have any of the following products (5769-CB1, 5769-CL3, 5769-CX2, 5769-CX5, 5769-PW1, 5769-RG1, 5769-WDS) you are entitled to a no additional charge upgrade to 5722-WDS if customer has a current software subscription contract.



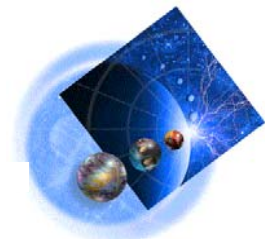
WDS and WDSc 4.0!



NOTE: Rational ClearCase LT not included



WebSphere Web-Facing



WebFacing Tool

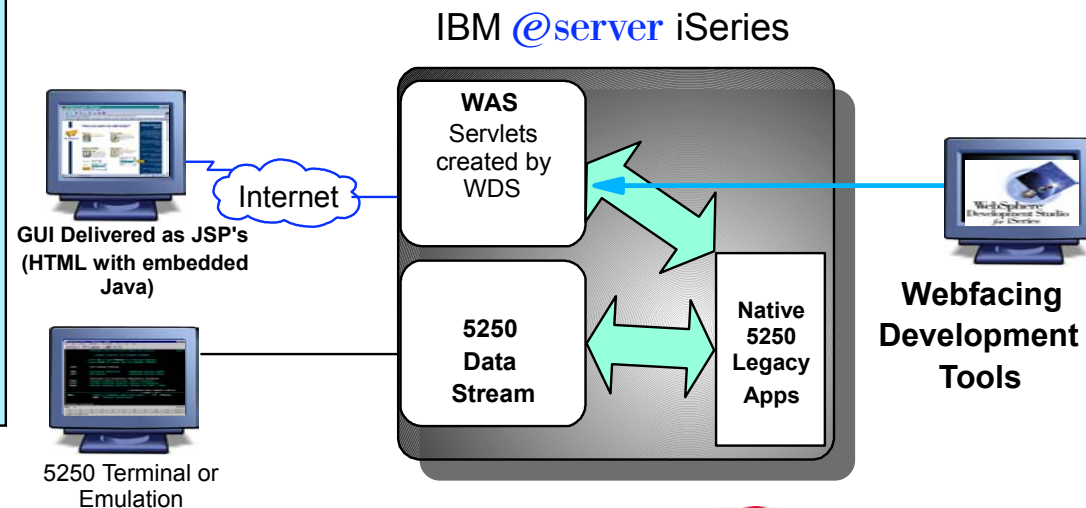
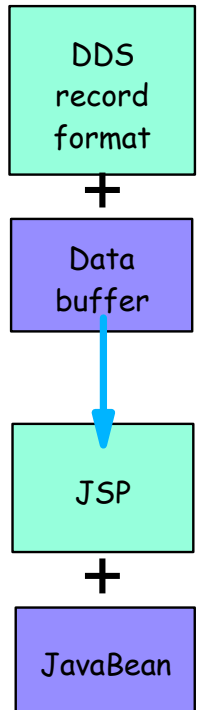
- Creates a Web interface for 5250 applications using standard JavaServer Pages, servlets and JavaBeans
 - Runs with WebSphere Application Server
 - Web interface can be customized with WDS or any Java tooling
 - Web interface can also be customized within CODE designer
- No changes to the 5250 application
 - Supports both 5250 and Web interface
- Must have source code

Customer Benefits

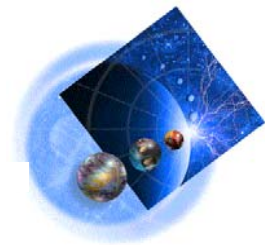
- 5250 applications can be Web enabled quickly, easily and cost effectively
 - 5250 green screen applications can be converted and hosted on WebSphere Application Server in hours
 - 8 step conversion process is easy
 - No separate tooling or run-time charges
- No dual maintenance for the application
 - WebFaced application supports both a 5250 and Web interface
- Web look-and-feel
 - Customization capabilities deliver good Web appearance
- Positioned to extend application in future...

What are the Steps?

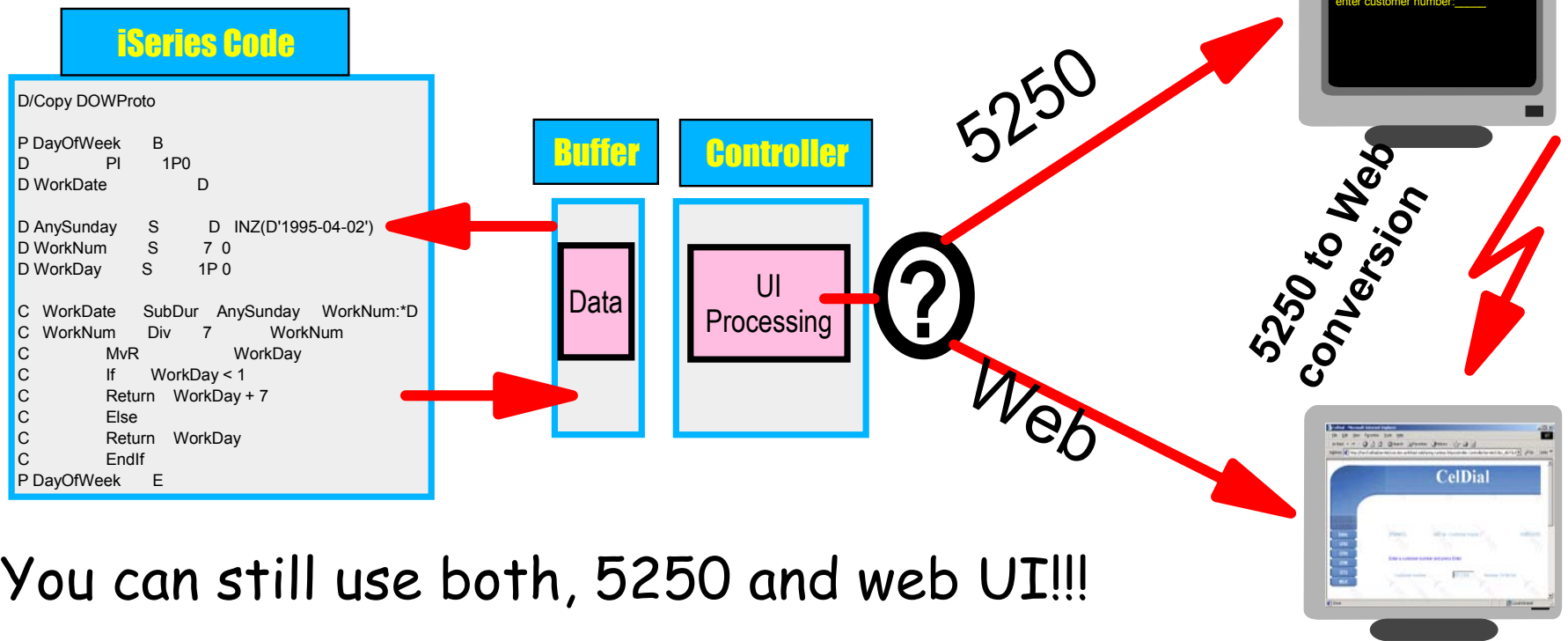
1. Start the new WDS 4 iSeries
2. Run the Create WebFacing Project wizard
 - import DDS Source from the server
 - specify the CL command used to start the app and the text desired for the Web page link
 - select style
3. Convert DDS to JSPs and beans
4. Update publishing information
5. Deploy the files to WebSphere Application Server
6. Ensure that a WAS instance is up and running
7. Invoke the first page - Invocation page=index.html
8. Iteratively improve the look ...



WebFacing/400



- ▶ Create Browser based GUI for 5250 applications
- ▶ 5250 screens to Browser
- ▶ Convert DSPF source to JSPs and Servlet.
RPG/COBOL runs "as is", No need to change!



You can still use both, 5250 and web UI!!!

Before and After WebFacing ...



```
Session A - [24 x 80]
File Edit Transfer Appearance Communication Assist Window Help
PrtScr Copy Paste Send Recv Display Color Ma
Z0000001 Sign On/Off
Environment . . : Appcon/IBM Test System...
Type information. Then press Enter.
Required...
Identification. . . _
Password. . . . .
Optional...
Company . . . . .
Division. . . . .
(C) 1992 Copyright Application Consultants.
F1=Help F2=Field help F3=Exit
Má a
Connected to remote server/host TORAS48F using port 23
```

APPCON WebFaced!! - Microsoft Internet Explorer provided by ZDNet

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Links

Address http://localhost:8080/Webfacing/servlet/com.ibm.as400ad.webfacing.runtime.httpcontroller.Controller Go

APPCON WebFaced!!

Z0000001 Sign On/Off SSSSSSSS

Environment . . : Appcon/IBM Test System...

Type information. Then press Enter.

Required...

Identification...

Password.....

Optional...

Company.....

Division.....

(C) 1992 Copyright Application Consultants.

F1=Help F2=Field help F3=Exit

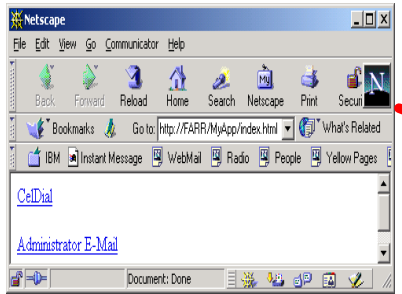
Done Local intranet



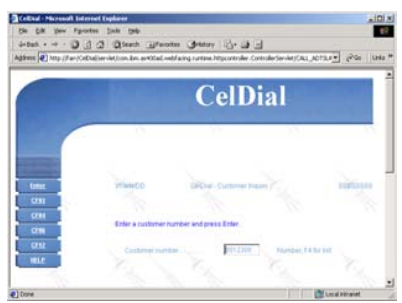
How does it all work?



Tier 1

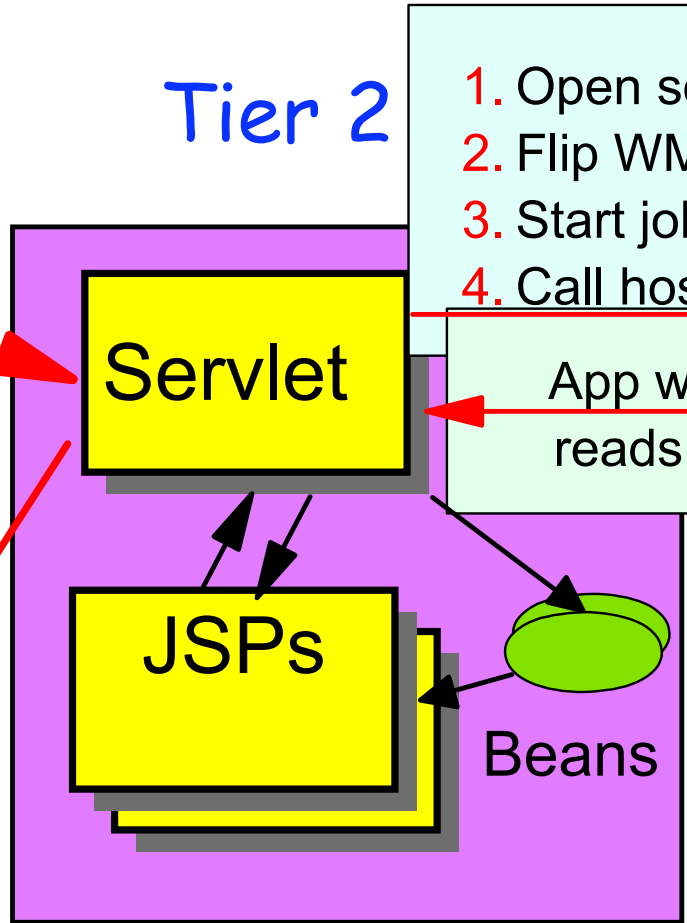


User issues the URL:
http://server:port/web-path/index.html



JSP page output.
User enters data, and presses Submit...

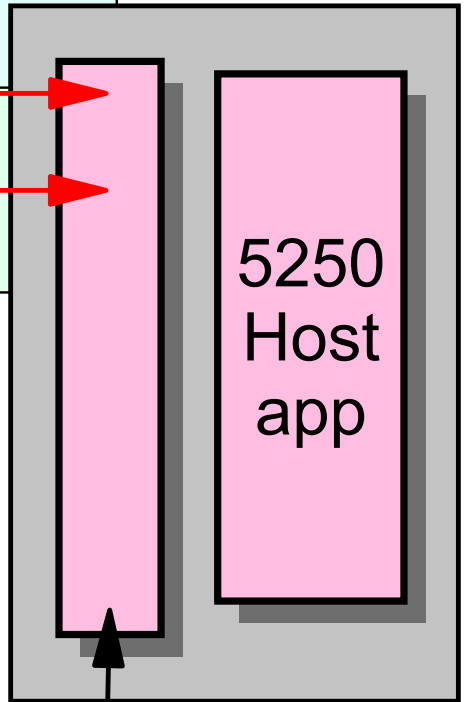
Tier 2



- 1. Open socket
- 2. Flip WM switch
- 3. Start job
- 4. Call host app

App writes, reads data

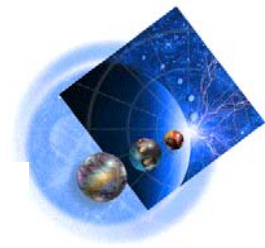
Tier 3



WebFacing Server



What are the steps?



1. Start the new IDE
2. Run the Create WebFacing Project wizard
 - import DDS Source from the server
 - specify the CL command used to start the app and the text desired for the Web page link
 - select style
3. Convert DDS to JSPs and beans
4. Update publishing information
5. Deploy the files to WebSphere Application Server
6. Ensure that a WAS instance is up and running
7. Invoke the first page - Invocation page=index.html
8. Iteratively improve the look ...

New IDE . . .



Create new WF project or
Go to workbench

Quick Start

What would you like to do?

- Create a new WebFacing Project
- Go to the workbench

Show this window at startup.

OK Cancel

IBM WebFacing Tool

File Edit Workbench Perspective

Workspace Workspace X

WebFacing Projects Navigator

WebFacing Projects

- Appcon1
 - CL Commands
 - DDS
 - <TORAS14M>APPIBM/QDDSSR
 - Z0000001
 - Z0000001Data.java
 - Z0000001Feedback.java
 - Z0000001View.java
 - Z0000001.jsp
 - Z000SFH1
 - Z000SFD1
 - Z000SFC1

Properties

Property	Value
1) Host	TORAS14M
2) Userid	web
	6840A3295783B73E4A
	admin@ibm.com
	?

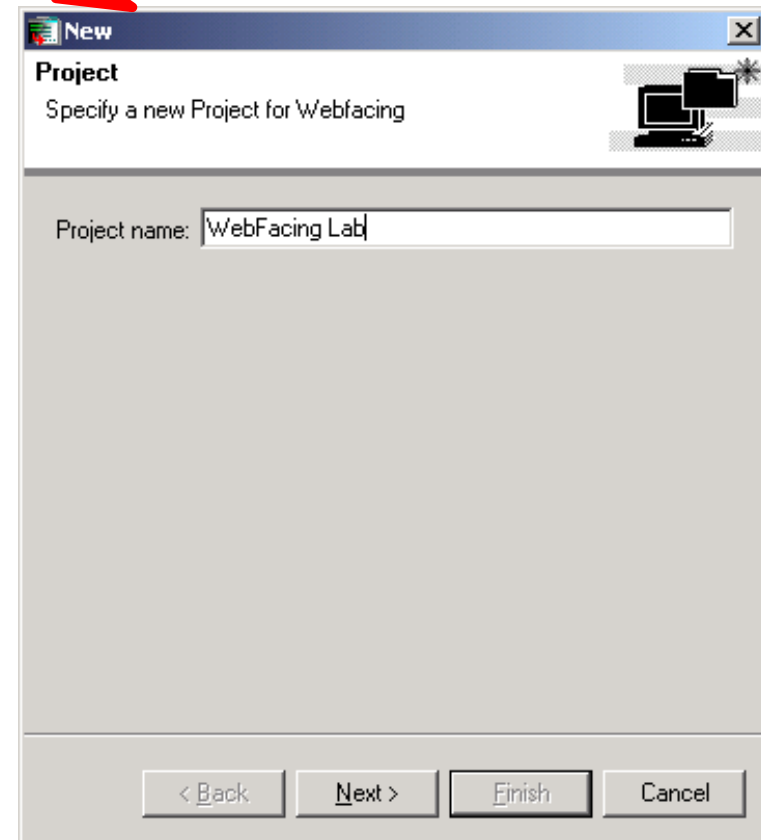
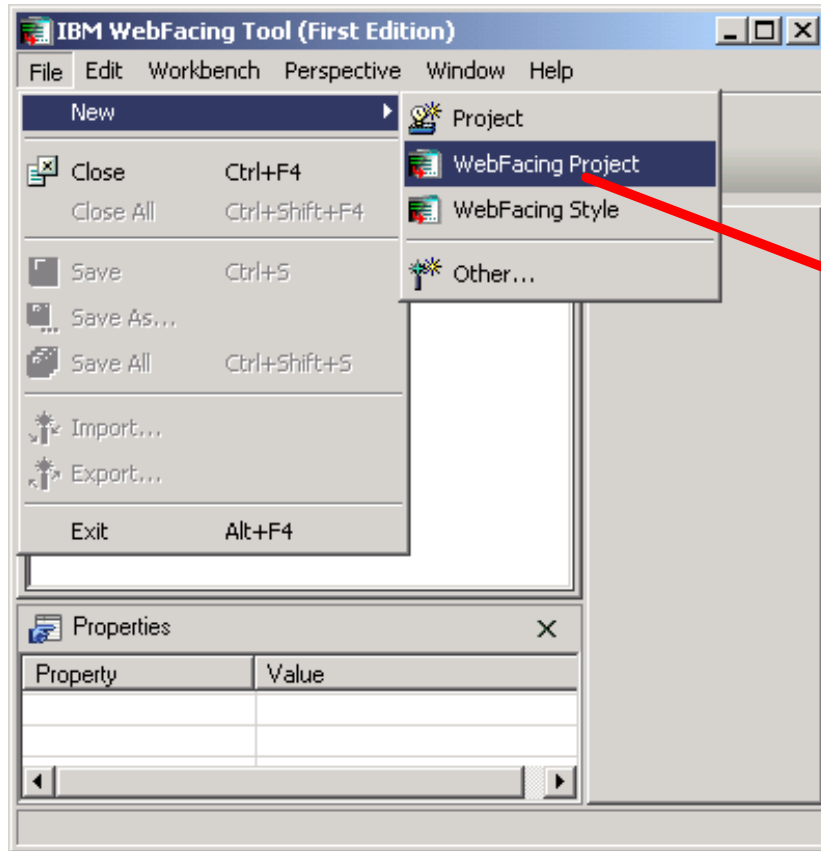
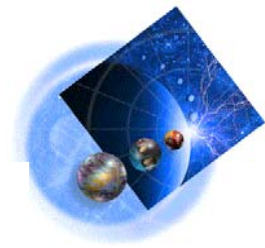
```
<% /* %><HTML>
<HEAD>
<META name="GENERATOR" content="AS/
</HEAD>
<BODY><% /* %>
<% System.out.println("Processing P
<%@ page import="com.ibm.as400ad.we
<jsp:useBean id='Z0000001' scope='s
<% final int QUOTED_TRANSFORM = HT
<% final int UNQUOTED_TRANSFORM = P
<% final int zOrder = Z0000001.get2
<% int lastCol; %>
<% /* %><TABLE><TBODY><% /* %>

<TR>
<% lastCol = 0; %>
<TD id="1<%=zOrder%>r1c1" colspan=1
<TD id="1<%=zOrder%>r1c2" NOWRAP co
<span id="Z0000001$CURREC" <{%Disp
</TD>
<% lastCol = 9; %>
<TD id="1<%=zOrder%>r1c10" colspan=25>
<TD id="1<%=zOrder%>r1c35" NOWRAP cols
<span id='const0' <{%DisplayAttribute
</TD>
```

WebFacing
Projects



Create a New Project !



Select DDS source



- ▶ Select server
- ▶ Sign on



- ▶ Select DDS

New
Select display file source members to convert

Select "Refresh list" to refresh the library items displayed in the tree view. Select the display file or menu source members from the tree view and add them to the table for conversion.

Project name:

Server:

Library filter: Member type:

Click Refresh list button , then select files or members and add them to table for conversion:

EXPO *LIBL DSPF

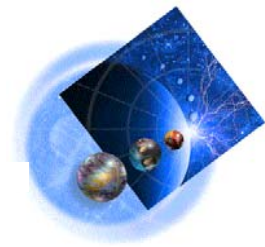
- [-] H
- [-] QCLSRC
- [-] QCSRC
- [-] QDDSSRC
- [-] QRPGLSRC
- [-] RPGAPP
 - [-] ORDENTD
 - [-] SLTCUSTD
 - [-] SLTPARD
- [-] RPGAPP_1
- [-] RPGAPP_2
- [-] RPGAPP_3

Library	File	Member
WFLABXX	RPGAPP	ORDENTD
WFLABXX	RPGAPP	SLTCUSTD
WFLABXX	RPGAPP	SLTPARD

3 members added for RPGAPP

< Back Next > Finish Cancel

Command to Call App



New Specify CL commands

Enter the CL commands that are used to start your application, and the command labels you want to use for the generated hypertext links.

Project name:

WebFacing generates hypertext links that you can use to launch your application from the web. In order to do this, WebFacing needs to know the text that will be shown for each link and the CL command that each link will invoke. On this page you can define multiple links, in case several CL commands are used to launch your application.

Command label:

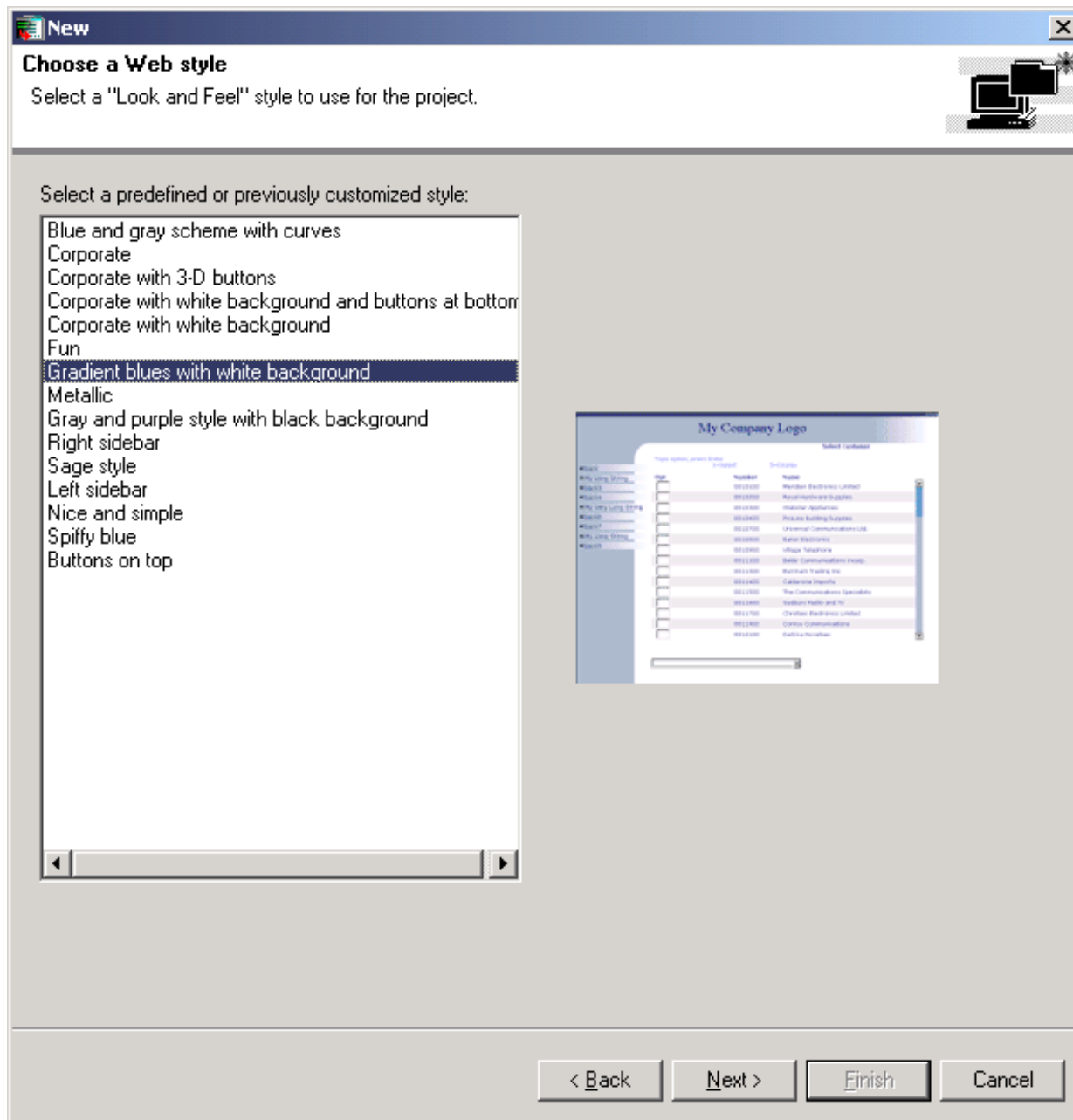
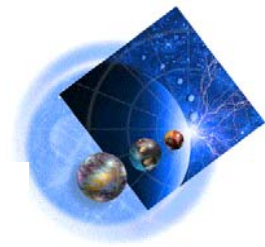
CL command:

Command Label	Command
Start my order entry pr...	CALL ORDENTR

Text for web page link

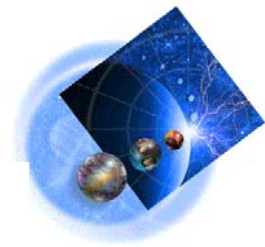
CL command

Select Presentation Style



- ▶ Lots of styles that you can modify !
- ▶ Cascading style sheets

Done!



New Complete WebFacing project

You have indicated the specifications for your new WebFacing project. To continue, click Finish.

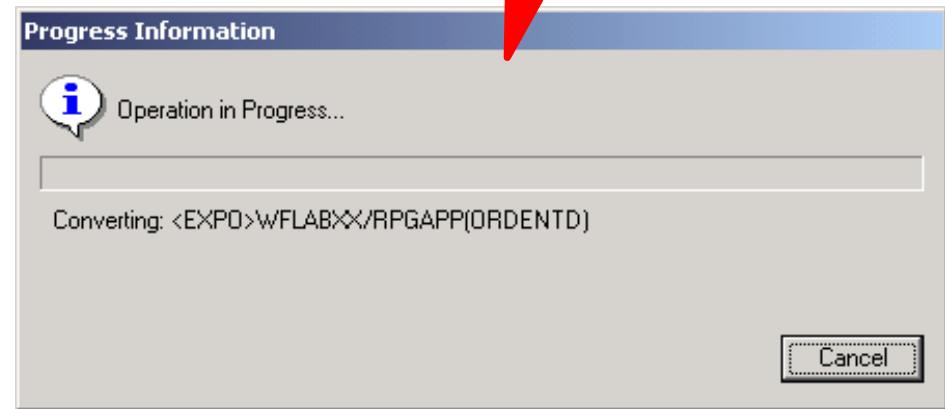
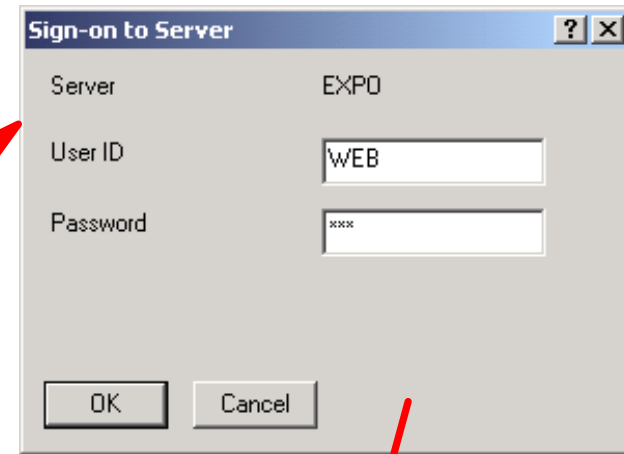
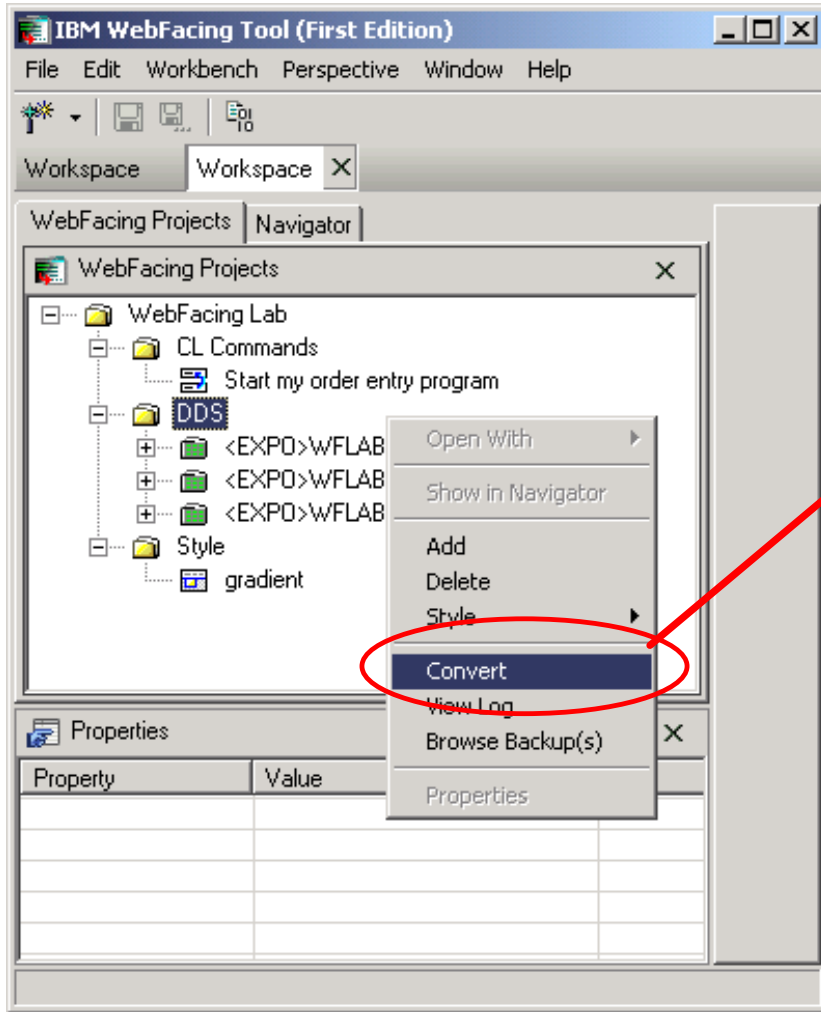
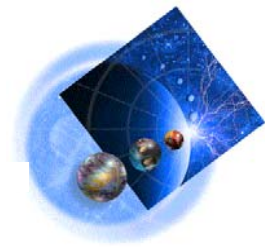
You are about to create a WebFacing project.
Do you also want to convert the selected display files?

Yes. I want to create the project and proceed with conversion now.

No. I only want to create the project now.

< Back Next > Finish Cancel

Convert DDS to JSPs



RoadMap to application re-facing



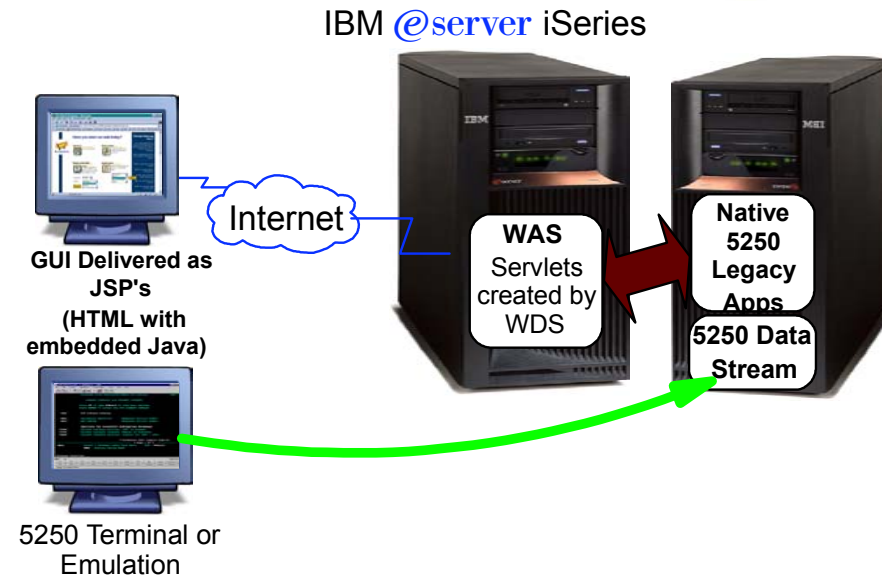
1) Start with WAS 3.5 Standard Edition (5733-AS3) no charge

- WAS3.5 will have an upgrade path to WAS Express (no charge feature?)

2) Choose WebSphere utility to use for re-facing application

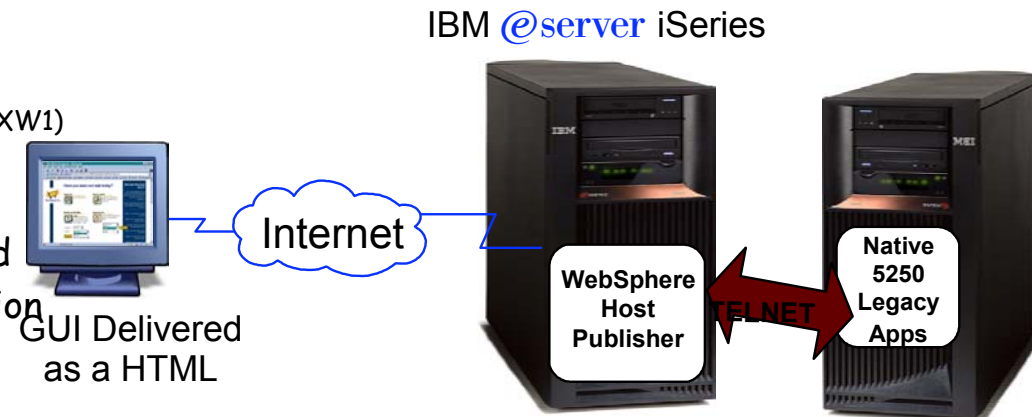
- Web Facing

- part of WebSphere Development Studio 5722-WDS
 - (no charge upgrade w/ software subscription from following products (5769-CB1, 5769-CL3, 5769-CX2, 5769-CX5, 5769-PW1, 5769-RG1, 5769-WDS))
- Need Source Code
- Users will see all application screens, one-for-one conversion of application screens



- Host Publisher

- Part of iSeries Client Access Family (V5R1, Product No. 5722-XW1)
 - If you received 5722-XW1 prior to 9/28/01 Order no-Charge Feature No. 2644 of Product No. 5722-XW1 to get iSeries Client Access Family (V5R1, Product No. 5722-XW1)
 - Customers at V4R5 who have Client Access Family Product (5769-XW1) Order no-Charge Feature* No. 2643, Product No. 5755-AS5 to get
- Don't need Source code
- Multiple screen and/or data sources can be combined into a single application to create a composite application



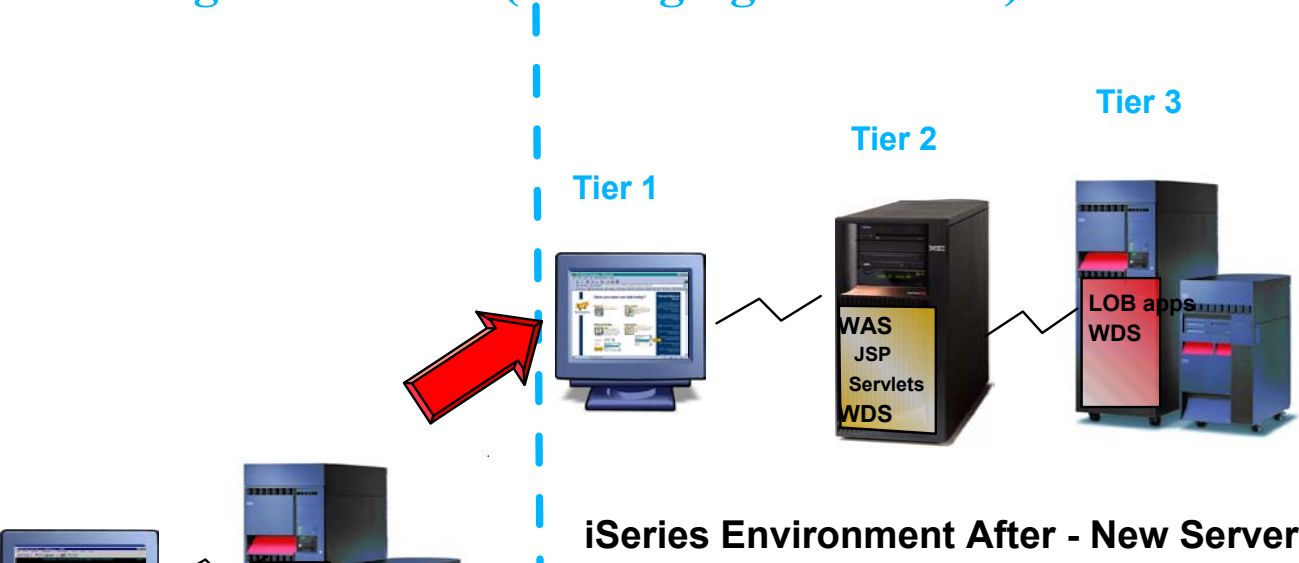
3) Choose the proper tiered solution (next page)





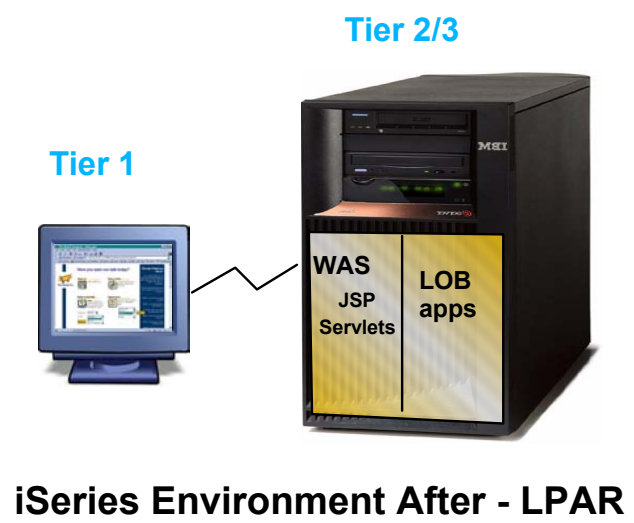
Roadmap to application re-facing (tiered solutions)

Refacing solutions.... (leveraging the iSeries)



Add middle tier application server

- Separate LOB from Websphere
- Implement using low cost Green Streak hardware solution
- Smaller software tier
- well positioned for Linux firewall
- consider using GreenStreak



Use LPAR to add WebSphere

- single server (requires LPAR)
- WebSphere requires 500 CPW
- may require hardware upgrade
- may increase software tier
- well positioned for Linux firewall
- consider using GreenStreak



GreenStreak Promotion



Education, reference material, & demos



Education:

- **IBM WebSphere Host Publisher Application for iSeries Development**
 - Course Code: S6232
 - See iSeries Technology Center website at: <http://www-3.ibm.com/services/learning/>
- **IBM WebSphere Host Publisher Application Development Workshop**
 - Course Code: SW910
 - See IBM Learning Services website at <http://www.ibm.com/services/learning/us/>
- **Web Enablement Workshop for iSeries**
 - Course Code: ITC08
 - See iSeries Technology Center website at: <http://www-3.ibm.com/services/learning/spotlight/iseries/>
- **iSeries WebFacing Tools**
 - CourseCode: AS043
 - <http://www-3.ibm.com/services/learning>
- **WebSphere Studio for iSeries plus WebFacing Tool**
 - CourseCode: S6185
 - <http://www-3.ibm.com/services/learning>
- **Web Strategy and Design Workshop**
 - Course Code: ITC12
 - hands on workshop intended to introduce a set of application development tools to customers that are creating Java-based applications for iSeries.
 - ▶ WebFacing, Host Publisher, Visual Age for RPG

On-line Education - (<http://www-3.ibm.com/services/learning>)

- **Introduction to WebSphere on iSeries (1.5 hrs)**
 - Course Code: IK087
- **Implementing WebSphere Application Server on iSeries (1.5 hrs)**
 - Course Code: IK088
- **WebFacing Your iSeries Applications (1.0 hrs)**
 - Course Code: IK089

Reference Material:

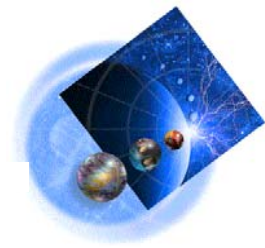
- **Building Integration Objects With IBM SecureWay Host Publisher Version 2.1, SG24-5385-00**
- **iSeries Access for Web InstallationGuide (SC41-5518)**
- **WebSphere Development Tools for iSeries Generating Web Front Ends to Existing Applications, REDP0516**
- **IBM WebSphere Development Tools for AS/400: An Introduction, REDP0503**
- **Web Enabling AS/400 Applications with IBM WebSphere Studio, SG24-5634-00**
- **Linux on the IBM eServer iSeries Server: An Implementation Guide, SG24-6232-00** 
- **Building iSeries Applications for WebSphere Advanced Edition 3.5, SG24-5691-00**
- **Building A Java Adapter Over a 5250 Application to enable B-B transactions' article**
 - ▶ An example of taking an interactive 5250 order entry application running on an iSeries machine, and making it accessible via a web browser
 - ▶ <http://www.iseries.ibm.com/developer/java/topics/hostpubadapter.html>

Demo iSeries Access for Web and WebSphere Host Publisher:

<http://iseriesd.dfw.ibm.com/webaccess/iWAHome> (case sensitive)
Use the following User ID and password to sign in:
User ID of **WUSER**
Password of **GUEST I**
Beaver Creek Web Solutions Demo site...
<http://www.piner.com/>



WebFacing Conversion Workshops



- Want to try out IBM's WebFacing technology?
- Want to create Browser Based GUI interfaces from existing applications?
- then this workshop is for you!

PartnerWorld for Developers working in conjunction with the IBM Toronto Lab will be offering a 3 day **hands-on workshop** to introduce Business Partners to the WebFacing Tool, First Edition. The focus of this workshop is to provide a "proof of concept" for converting a sample of your own application code (or your customers' code) to a Browser Based GUI. Members of the WebFacing Development Team from Toronto will be on hand to handle specific questions and to guide you through this conversion process.

Dates : Sept 10-12 or Nov 5-7

Location: Rochester, Minnesota

Agenda

Day 1: Learn/review the basics of WebSphere Application Server 4.0

Day 2: Learn/review the basics of IBM's WebFacing tooling

Begin conversion of your own (or your customers') code

Day 3: Conversion work continues

Registration: ibm.com/servers/eservers/iserries/developer/webface/

For more information, contact:

Alison Butterill butteril@ca.ibm.com

OR

Linda Cole lcole@ca.ibm.com

(Please note: There is a charge of \$1250.00 USD for participating in this workshop)





WebFacing Seminars

Discover a fast, easy and cost effective way to give your legacy applications a graphical web-base interface!

Free iSeries half day seminar:

IBM and APPCON are pleased to invite you and the members of your team to attend a free half day seminar on moving your existing iSeries applications to the Web. You may already own WebSphere Development Studio for iSeries (AS400) and not realize you have the power - IBM has shipped 60,000 copies of this product to users who have IBM software subscriptions, since May 23, 2001.

Time: Seminars are held at 9:00 AM and 1:00 PM at each location

Registration: <http://www.eserversoftware.net/msp/site/msp.nsf/SeminarInfo?Openform>
(Availability is limited so reserve as early as possible)

Seminar Locations:

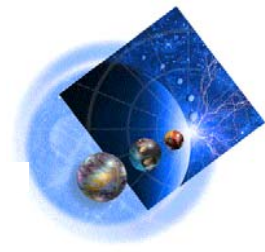
- Bethesda, MD 08/06/02
- Richmond, VA 08/07/02
- Philadelphia, PA 08/12/02
- Atlanta, GA 08/13/02
- New York, NY 08/14/02

Seminar Topics:

- The iSeries Application Development (AD) Value Proposition by David Slater, World Wide Market Manager, iSeries Application Development
- How to convert green screen programs to Web based applications
- How to set up and configure a WebSphere Application Server
- The Service Providers' role in e-business



First Install Customer Assistance



First Install Customer Assistance for Websphere Application Server Standard or Advanced Edition for iSeries or AS/400.

- We would like to welcome new customers to the Websphere arena and provide them with assistance that may be needed to install and configure Websphere Application Server, either Standard or Advanced Edition. By starting with a working instance of Websphere Application Server and reviewing the sample programs provided, your time spent with Websphere Application Server will be more productive and enjoyable. Through your application and acceptance into this program, the Rochester Support Center will provide you with 8:00AM - 5:00PM Central Standard Time phone support assistance in setting up a Websphere Application Server test environment.

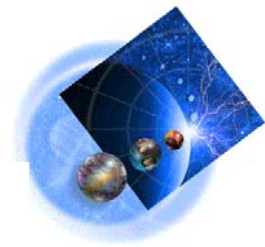
This assistance includes:

1. Documentation clarification
2. Verify you have all Prerequisites available: Software, Hardware, PTF's, and Communication configurations
3. Creation of a default Websphere instance
4. Configuration and enablement of Websphere for an HTTP server
5. Installation and use of Websphere Client based Admin Console (excluded Firewall configuration)
6. Validate the above by running of a sample servlet.

<http://www.iseries.ibm.com/developer/websphere/assistance.html>



Where to get pre-sales support



Call TechXpress*

877-707-2727

(Single entry point into the Americas Technical Sales Support)

- An SPC Agent will take your information and submit a TechXpress request for you.
- Your request will be acknowledged within 4 hours.

When you need:

- Solution design and architecture assistance
- Product information
- Configuration & Pricing
- Subject matter experts for Solution Assurance Reviews
- Complex solution sales support
- Pre-sales customer calls
- Proofs of Concept
- Presentations
- Customized Demos
- Competitive sales assistance

Value to you:

- Access to world class technical resources in
 - Techline
 - Competeline
 - ATS (Advanced Technical Support)
- Quicker response times for you
- Increased time to spend with customers
- Improved customer sat and responsiveness



* Requesters will need to provide detailed information and OMSYS Numbers.



WebSphere Sales Support Center for iSeries **WSSC**

Who are we?

Need help with WebSphere on iSeries Situation?

The WSSC is a virtual team of iSeries and Software Group (SWG) resources who provide a single point of contact for WebSphere for iSeries Opportunities and engagements

Who do we assist?

Business Partners, iSeries and Software Group Reps, and Technical sales support personnel

How do we assist?

We take each WebSphere for iSeries request as an opportunity to sell a product or improve customer experience. We help you locate information, advise on solution design and architecture, and help with sizing and configuration. The WSSC will provide you with a link to subject matter experts and competitive sales assistance

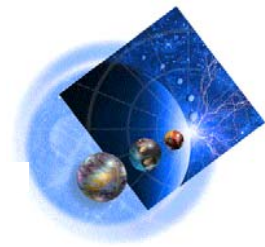
Examples

- Advice on sizing, performance, configuration and pricing
- Provide solution design and architecture assistance
- Assist in arranging presentations, teleconferences, briefings, etc.
- Identify and connect technical resources to resolve problems
- Coordinate WebSphere for iSeries Technical Education

E-Mail: rchiroc@us.ibm.com

Phone: 1-507-253-7056

Where to get services...



iSeries Custom Technology Center (CTC)

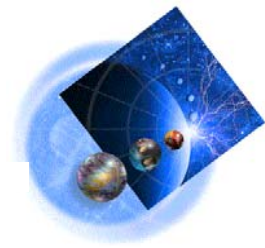
- Custom Development Services for iSeries and WebSphere!
- Native e-business Solutions using WebSphere, Servlets, JSPs, CGIs, HTML
- Modernizing Legacy Applications to Take Advantage of e-business Technologies (B-to-B, B-to-B)
- Native Java Programming
- Native Domino Solutions
- WebSphere Commerce Suite Solutions
- Native MQ Series
- Application Port Assistance
- Client/Server Development including Network Station
- Database Applications
- TCP/IP and Sockets Application Development
- Advanced Technology Implementation
- RPG, COBOL, ILE C Programming

*Contact: Mark Even 507-253-1313 even@us.ibm.com
Pete Cornell 507-253-4955 pcornell@us.ibm.com
Ray Harney 507-253-0920 harney@us.ibm.com*

(EMEA) Eric Aquarrone CTC_EMEA1@fr.ibm.com



e-business (Services) Partners focused on WebSphere



To be on this list, the Partner must have:

- Certified in WAS (Std and/or Adv v3.5 or above) or WCS v5.1
- Have an iSeries ebiz/ecom VAE
- Have iSeries references (native)

Eastern Region

- ▶ Application Design Services, Inc - www.adsapps.com
- ▶ Bridan Technologies - www.bridan.com
- ▶ Computer Applications Specialists, Inc. - www.comappspec.com
- ▶ CommerceQuest - www.commercequest.com
- ▶ CrossLogic Development Corp. - www.crosslogic.com
- ▶ DyComp, Inc - www.dycompinc.com
- ▶ Sky Solutions, LLC. - www.skysolutions.com
- ▶ Softwrite Computer Systems - www.softwrite.com

Western Region

- ▶ Chouinard and Myhre, Inc, www.cm-inc.com
- ▶ Kalos Group, Inc. - www.kalos.com
- ▶ MMI Internetworking - www.mmi-internetworking.com
- ▶ MSI System Integrators - www.msiinet.com
- ▶ Pacific Software Associates, Inc. - www.psateam.com
- ▶ RyTE Consulting - www.ryte.com
- ▶ Symatrix Technology - www.symatrix.com
- ▶ The TAM Group - www.tamgroup.com
- ▶ Zobrist Consulting - www.zobristinc.com

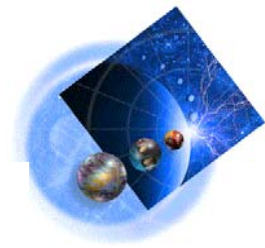
Central Region

- ▶ Advanced System Designs - www.asd.net
- ▶ Altier Technologies, LLC - www.AltierTech.com
- ▶ Andrews Consulting Group - www.andrewscg.com
- ▶ Computech Resources, Inc. - www.compures.com
- ▶ DigiTerra - www.digiterra.com
- ▶ DPS, Inc. - www.dpslink.com
- ▶ Foresight Technology Group - www.foretek.com
- ▶ Haverstick Consulting - haverstickconsulting.com
- ▶ Keller Shroeder & Associates, Inc. - www.KSAinc.com
- ▶ Strategies & Solutions - www.Strategies-LLC.com
- ▶ 3X Corporation - www.3x.com

North Region

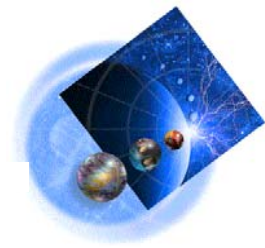
- ▶ Group Present - Present.ca
- ▶ SilverBlaze Solutions Inc. - www.silverblaze.com

Why Change?



- **Demand**
 - For GUI
 - For more function, more often
 - For new clients: web
 - For new business models
- **Reality**
 - No IBM investment in RPG III, COBOL/400 or ADTS
 - Focus is RPG IV, ILE COBOL, Java and the Web
 - Focus on workstation based tooling
- **Skills**
 - Attract and keep
- **Perception versus Reality**

For Additional Information...



WebSphere V3.5 Handbook - SG24-6161-00

Redbook, published January-10-2001

Building iSeries Applications for WebSphere Advanced Edition 3.5 - SG24-5691-00

Redbook, published June-11-2001

IBM WebSphere V4.0 Advanced Edition Handbook - SG24-6176-00

Redbook, published March-12-2002

WebSphere 4.0 Installation and Configuration on the IBM iSeries Server - SG24-6815-00

Redbook, published April-21-2002

WebSphere J2EE Application Development for the IBM iSeries Server - SG24-6559-00

Redbook, published May-1-2002

IBM WebSphere Development Tools for AS/400: An Introduction - REDP0503

Redpaper, published March-14-2001

IBM Web-to-Host Integration Solutions - SG24-5237-03

Redbook, published January-21-2002

WebSphere Development Tools for iSeries Generating Web Front Ends to Existing Applications - REDP0516

Redpaper, published November-22-2001

Java and WebSphere Performance on IBM iSeries Servers - SG24-6256-00

Redbook, published February-26-2002, last updated March-5-2002

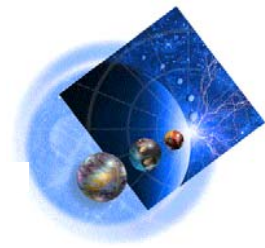
A Feature Based Comparison Between WebSphere Application Server and Apache Software Foundation's Jakarta Tomcat - REDP0198

Redpaper, published April-11-2002

Residency: In-depth Study of the WebFacing Tool to Convert iSeries 5250 Apps to Browser-based GUIs, SA-R332

Residency, Starts 19 Aug 2002, ends 27 Sep 2002 (6 weeks). Accepting back-up nominations.

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