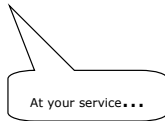




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iSeries. mySeries.

A Critical Look at Refacing Tools



Given by:
Carole Miner
IBM Rochester
iSeries Client Integration
cminer@us.ibm.com

Doug Fulmer

*WW Sales Exec,
e-bus Infrastructure
iSeries*

2337 Hazy Meadows Ln
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Tel 972-724-0288 (Bus)
Tel 972-724-1202 (Home)
Tel 214-507-0859 (Cell)

dfulmer@us.ibm.com



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IBM Why iSeries Customers Don't Use Tools

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[MC Press Online](#) > [Polls](#) >

Buying Third-Party Software

You have already voted in the poll, but

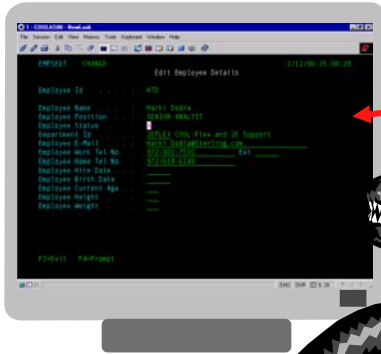
Poll Result

- Marketing/Awareness. We rarely, if ever, hear of it. 4%
- The company doesn't buy anything we need, so I don't bother recommending anything. 16%
- We send it up the food chain, but rarely does anything get acknowledged. 13%
- It's too pricey; we need something that costs the same as PC software. 34%
- NIH (not invented here). We can write it ourselves, so why buy it? 18%
- Abstain 16%

iSeries. mySeries.

IBM Tried and True

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Nothing green on a screen, BUT

Perception is a problem...

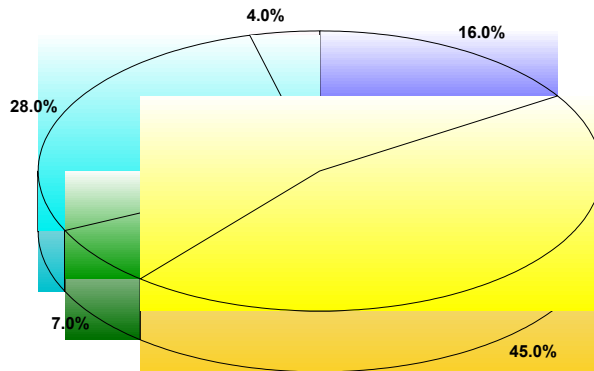
- RPG & COBOL
- Green Screen (block mode)
- Delivered via 5250 protocol
 - direct connect or emulation

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IBM Change is Coming

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- Already Done So
- Yes, We plan to do so
- No, but we Plan to do so in next 12 mos
- No Plans
- Changing Platforms

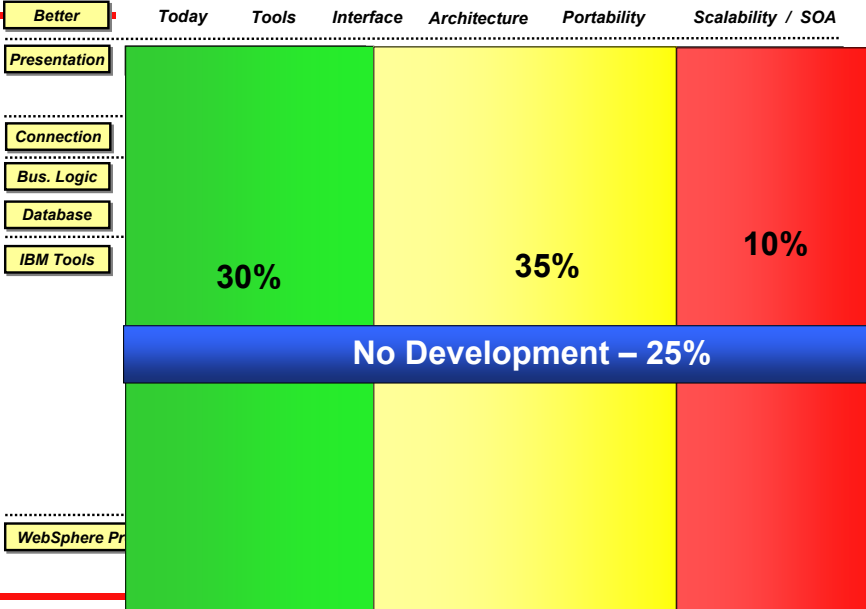


Source: eServer Magazine April, 2003

iSeries. mySeries.



Developer's Road Map

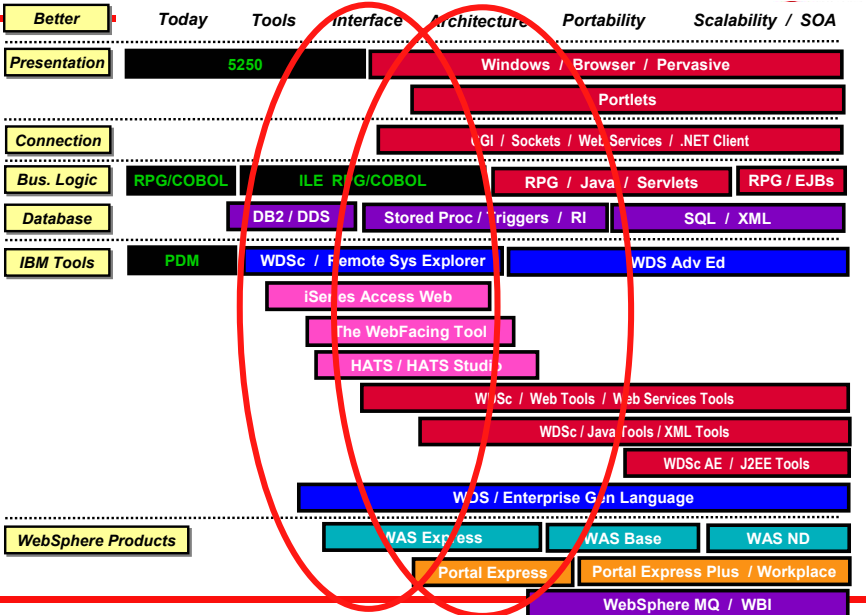


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PAGE 5

iSeries. mySeries.



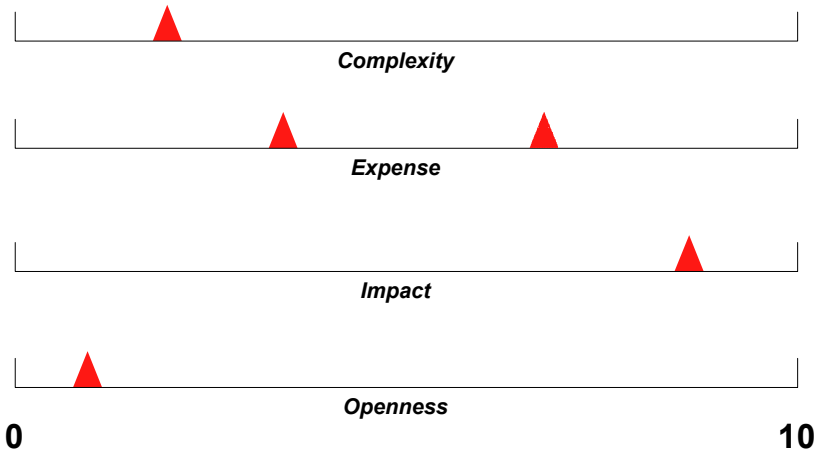
Developer's Road Map



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PAGE 6

iSeries. mySeries.

IBM On the Modernization Scale.....



IBM Why Do You Care?



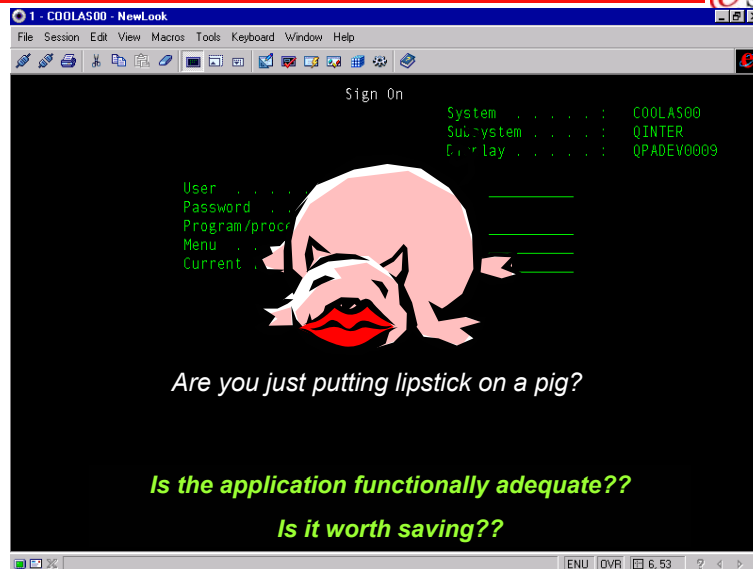
- Solution Provider
 - Graphical interfaces make your product more appealing to today's decision makers
 - Gives you new functional options via Internet deployment without having to master a bunch of complex technology
 - Zero Interactive coupled with i5 Express gives you a way to compete again in the low end
- Customer Developers
 - Gives you an answer to the new CIO's question – "why do we still have these old legacy green screen applications?"
 - Stops the noise from the peanut gallery about the GUI so you can work on the harder, more time consuming functional stuff
 - Provides a way to get to GUI without the risk of "breaking stuff"

IBM Net It Out.....



- Pros
 - Get to GUI without the wait
 - Utilize the skills you have to get the result you want without expensive and time consuming re-writes and learning curves
- Cons
 - It's still a 5250 application (if it walks like a duck and quacks like a duck...)
 - You aren't building much of the skills of the web
 - OO people will make fun of you ☺
- The Truth
 - It's a very good short term fix for a difficult problem
 - It doesn't cost you much
 - But you need to invest in learning new skills and merging them with the skills you already have for a good long term solution

IBM Ask Yourself the Key Question



IBM Before & After.....



County of Washington, Virginia - Government Information Portal - Microsoft Internet Explorer

Address: http://portal.washcovva.com/portal/leweb/1/vx/pl_s-7_0_A17_0_NCJ_cml/dsl_ar/isa.submitHstForm/c16_0_FUJ_cst7_0_2491.p15_0_211/41047_0_249

AAAText Portlet

Date: 9/01/04 Accounts Payable Inquiry Time: 14:53:57
 003 - WASHINGTON COUNTY SCHOOL

Position To: _____ Search Date: (MMDDYYYY)
 Search --> Vendor Name...: _____ 00000000 / 99999999
 Vendor No.....: _____
 Check No.....: _____
 Invoice No.....: _____ (P=Paid O=Open A=All)

Options: 1=Select 2=Open Only 3=Paid Only

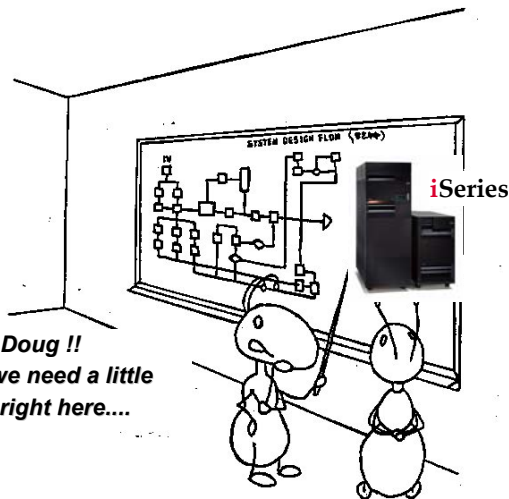
Opt	VEND #	Sta	Vendor Name	Address Line 1
<input type="checkbox"/>	4673		A PEAK PLACE	906 SAILORS REEF
<input type="checkbox"/>	7707		A WISH COME TRUE	2522 PEARL BUCK ROAD
<input type="checkbox"/>	332		A-I CUTTING SERVICE	273 OLD ABINGDON HWY
<input type="checkbox"/>	7367		A-PRO CARPET CLEANERS	BARRY HOGUE
<input type="checkbox"/>	5991		A-1 AUDIO VISUAL	DAN V. MALCHI
<input type="checkbox"/>	3931		A-1 AUTO PAINT & BODY	17031 JEB STUART
<input type="checkbox"/>	2057		A-1 AUTO PARTS, INC.	18 PETERS STREET
<input type="checkbox"/>	6670		A/V CONCEPTS	30 MONTOK BLVD
<input type="checkbox"/>	5374		AAA COOPER TRANSPORTATION	P. O. BOX 6027
<input type="checkbox"/>	5401		AAA HOBBIES	P. O. BOX 126

F3 = Exit

Reset Default Refresh Disconnect View Print Jobs Turn Keyboard Off



**Good Work Doug !!
 But I think we need a little
 more detail right here....**



IBM Profiling a Refacing Prospect

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- ✓ Eliminating NPTs
- ✓ Moving to graphical interfaces
- ✓ 1000 CPW or more
- ✓ 5xx or 8xx hardware
- ✓ V5R1 or higher
- ✓ Using ILE
- ✓ Open to LPAR
- ✓ Sees business value of Internet
- ✓ Software Maintenance
- ✓ Investing in iSeries

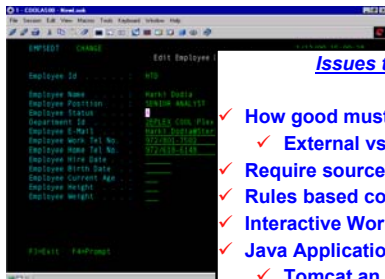
- ✓ Retaining NPTs
- ✓ Not excited about GUI
- ✓ Under 500 CPW
- ✓ Older hardware
- ✓ V4R5 or lower
- ✓ Not moving to ILE
- ✓ LPAR is not on your radar
- ✓ Questions business value of Internet
- ✓ Not under Software Maintenance
- ✓ Investing in PCs & Unix

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iSeries. mySeries.

IBM Refacing Issues

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Issues to Deal With

- ✓ How good must the GUI really be?
 - ✓ External vs Internal Audience
- ✓ Require source code (conversion)?
- ✓ Rules based conversion (on the fly)?
- ✓ Interactive Workload Requirement
- ✓ Java Application Server?
 - ✓ Tomcat an option?
- ✓ Intermediate node requirement
- ✓ Handling of keywords / formatting
- ✓ Double maintenance for NPTs?
- ✓ Ability to further Modernize the Application
- ✓ Navigation & Function Issues of appl
- ✓ Client install?
- ✓ Run time charges?



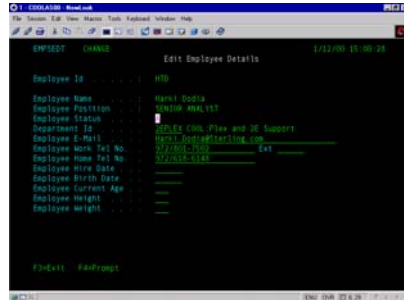
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IBM The Interactive Workload Issue



- ✓ RUMBA/400
- ✓ Screen scrapers
- ✓ Interactive subsystem monitors
- ✓ Twinax printer jobs
- ✓ BSC 3270 emulation
- ✓ 5250 emulation
- ✓ All 5250 sessions
- ✓ Any green screen interface
- ✓ Telnet or 5250 DSPT workstations
- ✓ 5250/HTML workstation gateway
- ✓ PC's using 5250 emulation
- ✓ Interactive program debugging
- ✓ PC Support/400 work station function
- ✓ More...

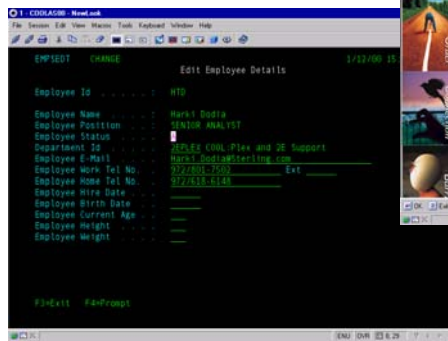


Not just green screen...

IBM IBM Refacing Tools



- WebSphere Host On-Demand with Screen Customizer
- iSeries Access for Web
- HATS
- HATS Limited Edition
- IBM WebFacing Tool



IBM Partner Refacing Solutions

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- **Seagull Software LegaSuite**
 - www.seagullsw.com
- **Jacada Interface Server**
 - www.jacada.com
- **Look Software NewLook**
 - www.looksoftware.com
- **System Objects JACi400**
 - www.systemobjects.com
- **Arterial Software aXes (Linoma Software)**
 - www.linomasoftware.com
- **Farabi Technologies Host Front**
 - www.farabi.com
- **Advanced BusinessLink**
 - www.businesslink.com
- **Better Online Solutions Jadvantage**
 - www.bosweb.com



looksoftware™



LINOMA SOFTWARE
REVOLUTIONARY SOLUTIONS FOR YOUR WORLD

FARABI
TECHNOLOGY



iSeries. mySeries.

IBM Tiered Requirements

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Application Modernization

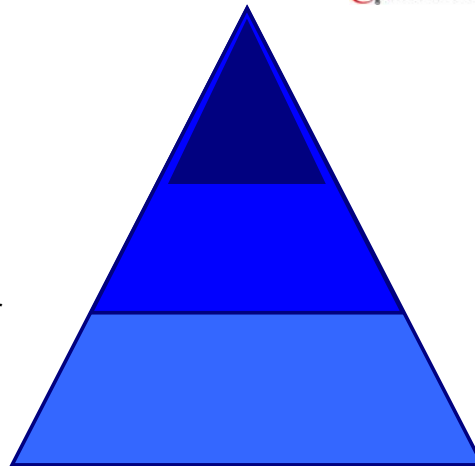
- ✓ IBM HATS
- ✓ Seagull JWalk +Transidiom
- ✓ Look NewLook+Centric
- ✓ SystemObjects JACi400

Advanced Transformation

- ✓ The WebFacing Tool
- ✓ Seagull JWalk
- ✓ Look NewLook
- ✓ Jacada DDS Bridge / Interface Server

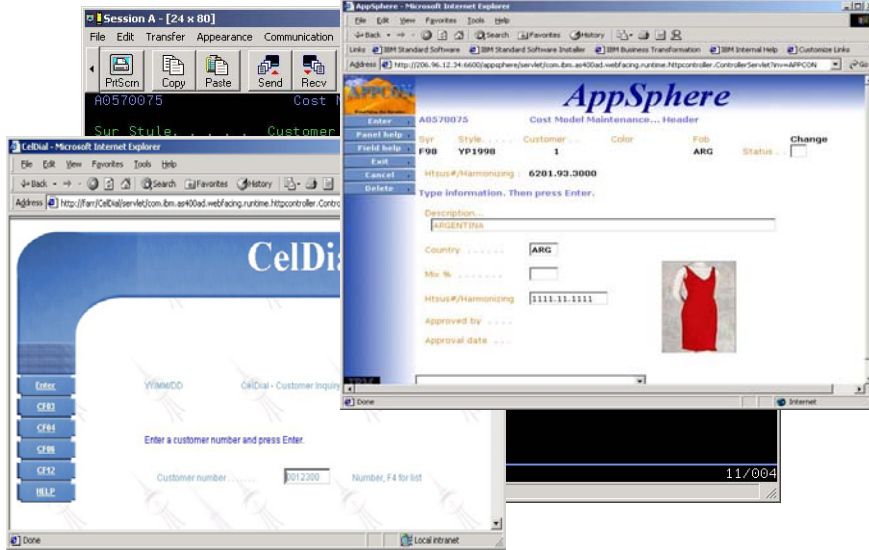
Simple Emulation

- ✓ iSeries Access for Web
- ✓ IBM HATS Limited Edition
- ✓ IBM Host on Demand
- ✓ Seagull Bluezone
- ✓ ABL GUIStyle
- ✓ Arterial aXes



iSeries. mySeries.

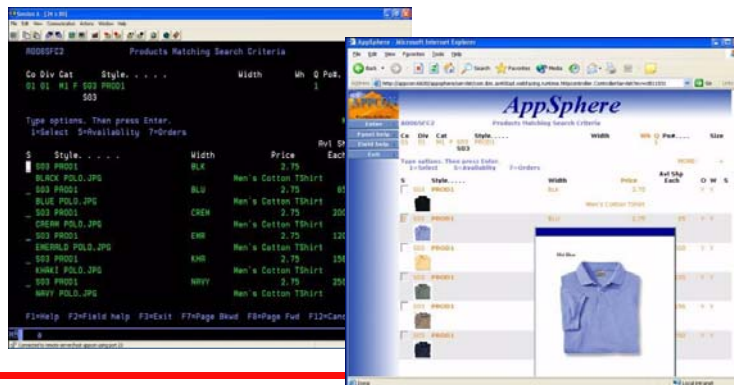
IBM The WebFacing Tool



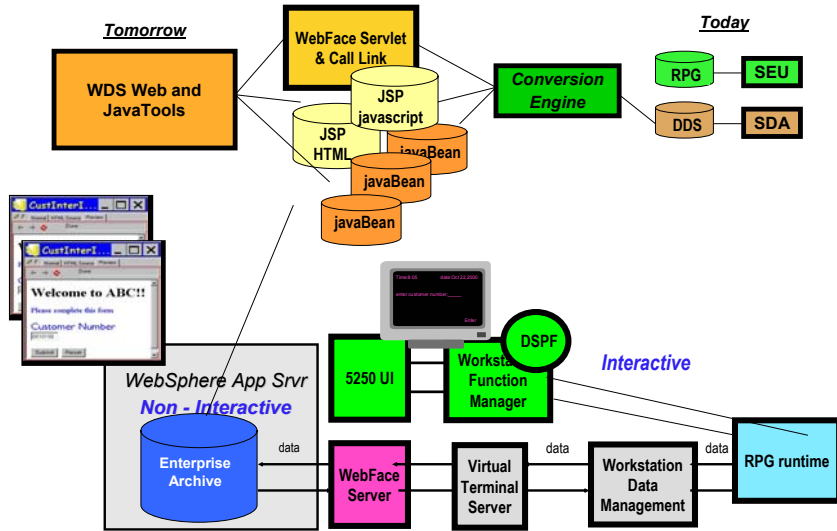
IBM The WebFacing Tool



- ✓ Built on WebSphere Application Server
- ✓ Part of WebSphere Development Studio for iSeries
- ✓ Inexpensive (almost free)
- ✓ Quick and easy basic conversion
- ✓ No interactive workload on "new" systems



IBM WebFacing Architecture



IBM Part of WDSc – WebFacing Perspective



The screenshot shows the WebFacing - WebSphere Development Studio Client Advanced Edition for iSeries. The interface includes a menu bar (File, Edit, Navigate, Search, Project, Run, Window, Help), a toolbar, and a project tree on the left. The project tree shows a 'WebFacing Projects' folder containing 'My First WebFacing Project' with sub-items like 'CL Commands', 'CALL ORDENTR', 'DDS', 'FKEY', 'PROMPT', 'ORDSFL', 'ORDCTL', 'ALTORDER', 'FKEY', 'UIM Help', 'Style', 'index.html', and 'logon.jsp'. Annotations with arrows point to 'Conversion inputs, outputs' and 'Built-in & remote Web Application Servers'. The main window displays a 'CALL ORDENTR' form with a 'Parts Order Entry' section. A 'Web Browser' window is open showing the rendered form. The bottom panel shows a 'Servers' list with 'WebSphere v5.0 Test Environment' instances.

IBM Eight Easy Steps to Success



- ✓ Start the IDE
- ✓ Run the Create WebFacing Project Wizard
 - ✓ Import DDS Source (select from tree view)
 - ✓ Specify CL Command Used to Start Application and URL
 - ✓ Select GUI Style
- ✓ Convert DDS to JSPs and Beans
- ✓ Update Publishing Information
- ✓ Deploy the Files to WebSphere App Server
- ✓ Ensure WAS is up and running
- ✓ Invoke the first page
- ✓ Iteratively improve look of application



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iSeries. mySeries.

IBM Summary – WebFacing Tool



Pro's

- ✓ Part of WebSphere Development Studio client (no add'l cost)
- ✓ Covered under SW Maintenance
- ✓ No 5250 workload on "new" systems
- ✓ Initial conversion is very easy to do
- ✓ Creates Java artifacts that can be used for additional modernization
- ✓ Handles UIM based System Screens with Advanced Edition
- ✓ Portal Access with Advanced Edition

Con's

- ✓ Requires WAS – CPW issues
- ✓ Requires DDS source (not dynamic)
- ✓ 5250 only
- ✓ Can get reasonably technical fairly quickly for additional modernization

Best Use: *Deploy specific applications to a browser GUI. Leaves open the option of further customization*

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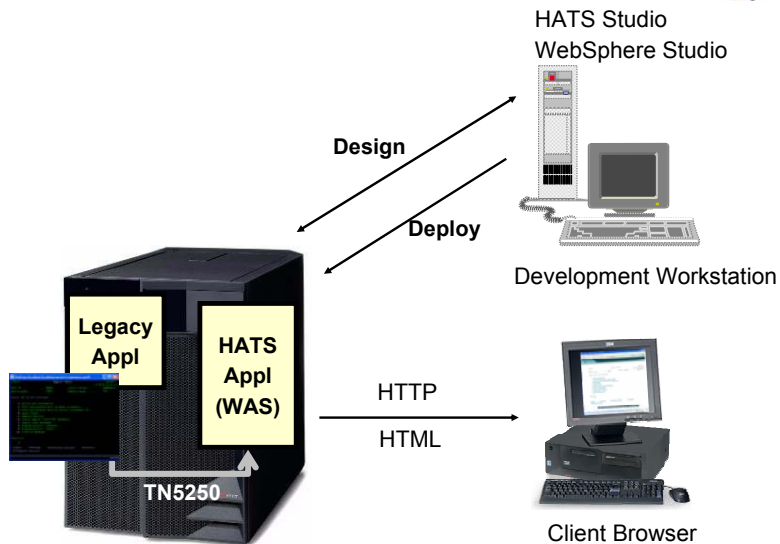
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IBM Host Access Transformation Services

- ✓ A Web-to-host HTML emulator...
- ✓ Includes a rules-based transformation engine...
- ✓ Converts green screens to graphical user interfaces (GUIs)...
- ✓ Dynamic conversion....
- ✓ Customer can upgrade to full HATS server from Limited Edition
- ✓ Zero footprint / zero download
- ✓ Supports 3270 & 5250
- ✓ Limited Edition Included in iSeries Access



IBM HATS Architecture



IBM HATS vs HATS Limited Edition



Features in both HATS and HATS LE

- Default host screen transformation
- Ability to choose a standard template
- Ability to turn on/off application and host pads
- Keyboard support



Features in HATS, not in HATS LE

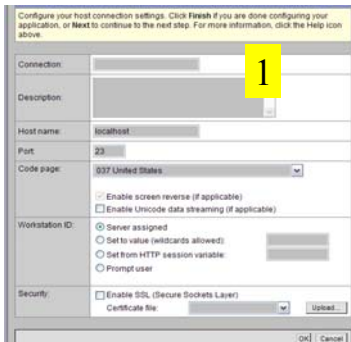
- HATS Studio
 - Customize individual screens
 - Play and record macros
 - Store and retrieve global variables
 - Add tabbed folders and graphs
 - Skip and combine screens
 - Integrate with WebSphere Portal Server
- Complete Template Set



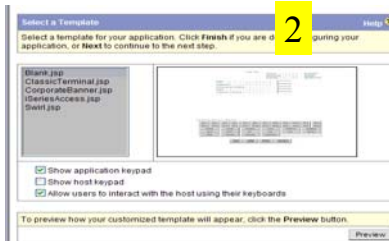
IBM HATS LE has no "Studio"



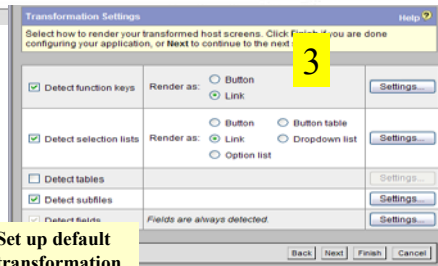
Configure 3 screens and you're done!



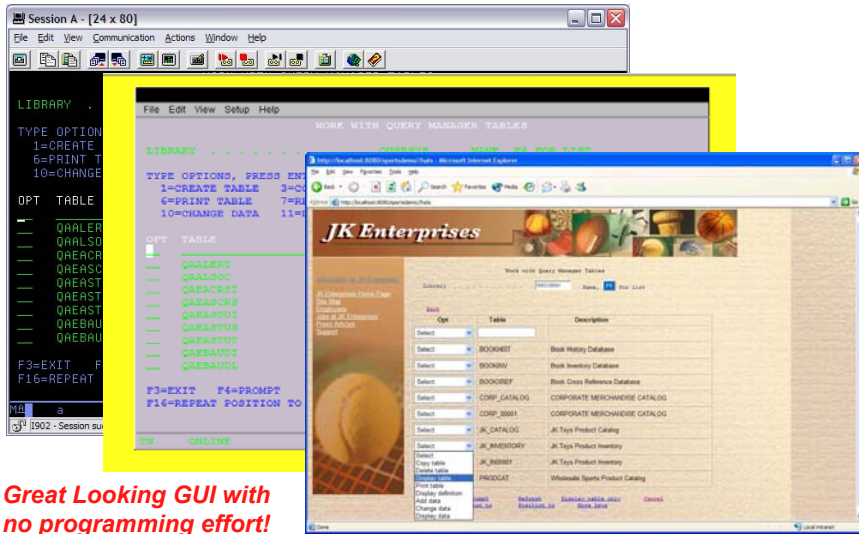
Set up connection settings



Define template to be used



Set up default transformation settings



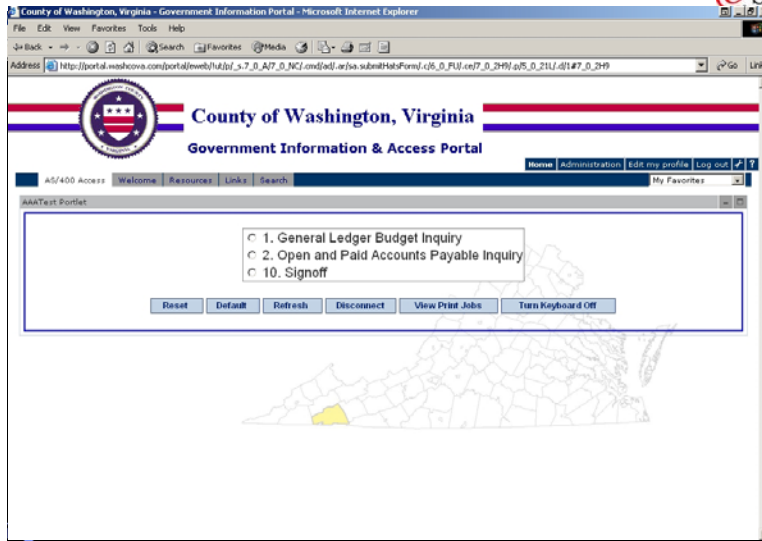
Great Looking GUI with no programming effort!

Improved Navigation and Productivity

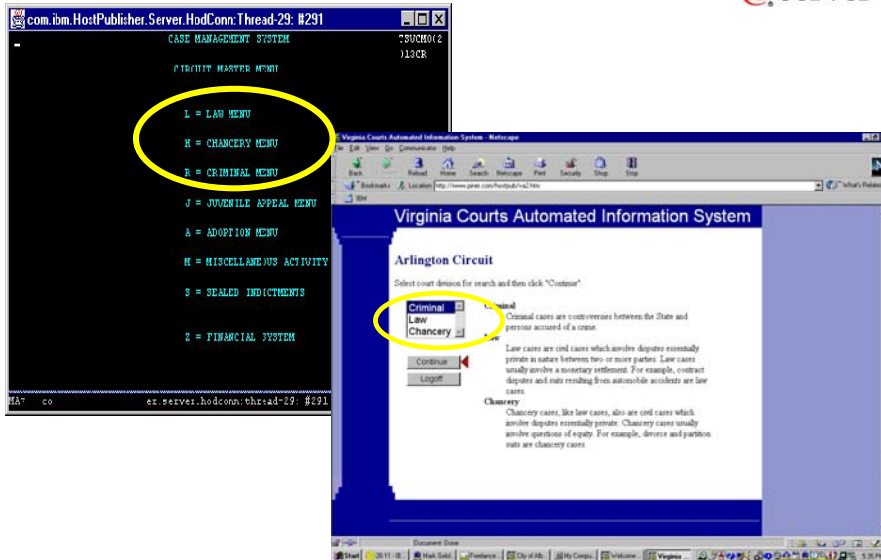
- **Macros & global variables**
 - ▶ Skip unnecessary screens; combine screens; split screens
 - ▶ Enter data on behalf of the end user
 - ▶ Store end user input as global variables; prefill text entry fields
- **Screen customization**
 - ▶ Add buttons, hot links, drop-down menus, valid value lists
 - ▶ Modify graphics, fonts, colors, and layout
- **Tabbed folders**
 - ▶ Wizard-based
- **Bar and line graphs**
 - ▶ Wizard-based
- **Add business logic**
- **Local print support**
- **Native keyboard support**



IBM Washington County, VA - Before



IBM Change the UI with No Rewrite




```

Date: 11/05/99 Time: 12:09:21
Dup No. 02 000251303 SHINGLER RAY C & SUSAN L/H&W RIDGEWOOD CREEK
Parcel UNIT 1 LOT 16
Stat A Cls 510 Mtg 3604 CHIMNEY HILL CT DR467 P61 VLACD DITCH
By/SI 4/16/96 355 VALPARAISO IN46383
Drain 30 Conserv 2 Bk/Pg 000 000 Inst # Tx Sale N BANKRUPT
Property 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.#
96 3430 20230 0 0 3000 20650 0
97 0 0 3430 20230 0 23650 0
98 0 0 3430 20230 0 23650 0
99 0 0 3430 20230 0 23650 0
Mtg Y N N N Hmstd Y N N N Age N N N N DisVet N N N N Solar N N N N
Rehab 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
96 A 793.42 793.42 5/12/97 .00 .00 0/00/00 5/03 0/00
Y B 793.42 793.42 11/10/97 .00 .00 0/00/00 11/13 0/00
97 A 965.59 965.59 5/11/98 .00 .00 0/00/00 5/12 0/00
Y B 965.59 965.59 11/10/98 .00 .00 0/00/00 11/18 0/00
98 A 909.92 909.92 5/10/99 .00 .00 0/00/00 5/24 0/00
Y B 909.92 .00 0/00/00 .00 .00 0/00/00 0/00 0/00
F14-C0 F16-D1 F20-SU
ENTER DUP NO F5-NAME F7-ADDR F9-NOTES F10-PADDR F11-BK/PG F12-RTRN
    
```

Porter County Indiana - Tax Details Screen

Select Type of Search to perform

Search by Name

Search by Name

Search by Address

Search by Owner Name

Search by Dup. Number

Search by Dup. No.

Search by Property Address

Search by Owner Name

Signat

**Porter County
- Tax Search Form
- Tax Information Results**

Porter County Tax Information

Digit Number: 08 000560980

Owner Information	Property Address
SMITH AMOS G JR & MARILYN	8411 POTOMAC
POTOMAC DR	POTOMAC
POTOMAC DR466388	

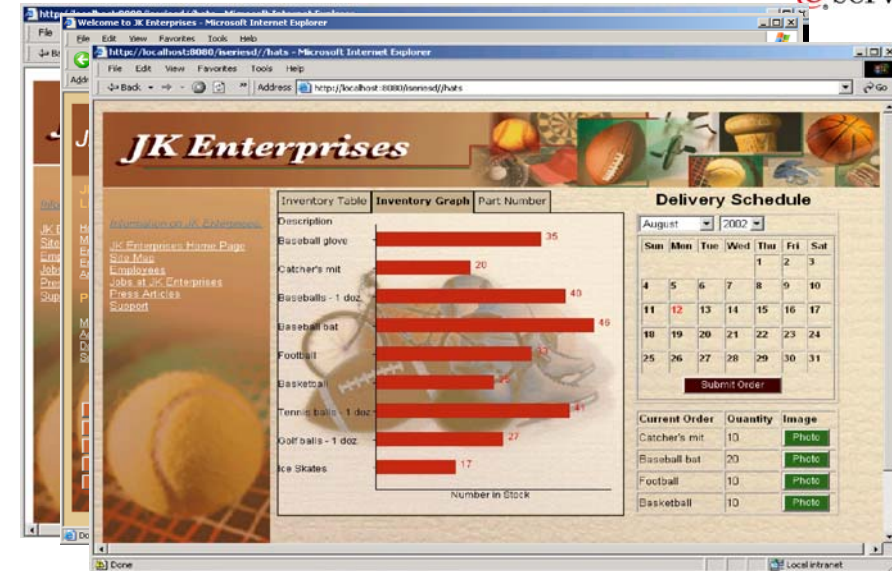
Parcel	Block	Legal Description
Class: A	Page: 843	CAPROL ESTATES RESUB
Mtg: 007	Instrument Number:	UNIT 2
Buy/SI: 2/28/78	Tax Date: 11	LOT 2
Draw: 0000000000	Pre Paid: 317502	
Course: 9	New Dcpt: 0	

Tax History							
Land-Res	Impr-Res	Land N-R	Impr.N-R	Exempt	Net Value	C of E #	
97	1930	18930	0	2100	3000	19960	0

IBM HATS and HATS LE



IBM Additional HATS capabilities



Pro's

- ✓ *On the fly – no source code required*
- ✓ *Programmable navigation through applications via scripts, macros and variables*
- ✓ *Very easy to deliver a very nice GUI*
- ✓ *3270 and 5250*
- ✓ *Rules based conversion*
- ✓ *Zero Footprint - zero download*
- ✓ *HATS Studio now in WDS along with two test licenses*
- ✓ *Full Portal Integration*

Con's

- ✓ *Requires WAS – CPW issues*
- ✓ *Full HATS pricing is per user*
- ✓ *Not as easily customized for specific end user requirements – administrator controlled*
- ✓ *Slightly more workload generated by real time conversion (10-20%)*

Best Use: *Providing an upscale GUI that covers both application screens and system screens. Can be used for extensive customization of the end user experience.*

Pro's

- ✓ *Comes with iSeries Access Family on iSeries - no user based charges*
- ✓ *Easy to install*
- ✓ *Zero Footprint - zero download*
- ✓ *Non invasive - no source required*
- ✓ *A no-charge 'look' at full HATS GUI*

Con's

- ✓ *5250 only*
- ✓ *Does not allow modifications or enhancements (no tools)*
- ✓ *Doesn't have all the HATS templates so even base GUI is limited*
- ✓ *Does not support WebSphere Portal*

Best Use: *Provides an improved default GUI for iSeries Access and a no charge look at full HATS*

iSeries Access for the Web

- Administrator & end-user tool
- Screen for screen conversion
- Access iSeries resources via browser
- Use with WebFacing - for system screens administrator can customize/limit access to resources



Services

- [See boat details - 5250](#)
- [See boat details - WebFacing](#)
- [See boat details - Host Publisher](#)
- [View available boats](#)
- [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 Carver Santa Cruz for only \$23,900. Head and galley refurbished in 2001. Only 31 hours on completely rebuilt motor. [Click here](#) to see this boat cruising the seas.

Great Deals

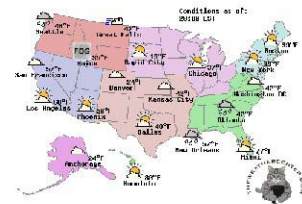
For those bargain conscious among you, we have a large selection of new and slightly used boats for under \$75,000. Whether you are planning on sailing in your backyard pond or navigating the mighty Mississippi we can meet your wants, needs, or desires. [View our selection of modestly priced boats.](#)

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 BOATHELP. [Send us a message](#)

Weather Conditions

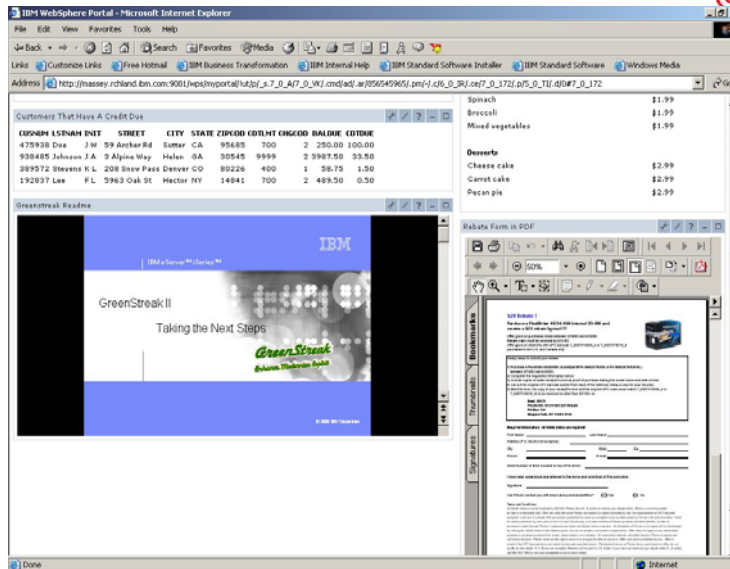
Is it a great day for boating? Check out today's forecast.



- [Operations Navigator](#)
- [WebSphere Host](#)
- [Publisher](#)
- [Series Information](#)



Access for Web has Portal Integration



Summary – iSeries Access for Web



Pro's

- ✓ Easy to install & Use
- ✓ No source required
- ✓ Allows for device name awareness
- ✓ Allows access to a variety of iSeries resources without interactive
- ✓ Supports Tomcat and a variety of browsers on Windows & Linux
- ✓ More individual end user control

Con's


- ✓ Default GUI is lacking – HATS LE helps
- ✓ 5250 only
- ✓ Requires 5250 workload to use the emulator
- ✓ Limited additional modernization without a lot of work

Best Use: *Intranet use for SMB customers as well as a complement to WebFacing. Could use the HATS Limited Edition instead of WebFacing for SMB customers*



iSeries Access Family offers many options



V5R3 iSeries Access Family 5722-XW1	 V5R2 iSeries Access Family 5722-XW1
• iSeries Access for Web (5722-XH2) – V5R3	• iSeries Access for Web (5722-XH2) – V5R2
• iSeries Access for Windows (5722-XE1) – V5R3	• iSeries Access for Windows (5722-XE1) – V5R2
• HATS Limited Edition (5724-F97-01) – V5	• HATS Limited Edition (5724-D34-01) – V4
• iSeries Access for Wireless (5722-XP1) – V5R2	• iSeries Access for Wireless (5722-XP1) – V5R2
• iSeries Access for Linux (5722-XL1)	• WebSphere Host Publisher (5724-B81, V4.0, 5724-B81, V4.01)
	V5R2 customers not wanting to upgrade to OS/400 V5R3 but want the new V5R3 iSeries Access Family clients can order no-charge Feature No. 2647 of Product No. 5722-XW1



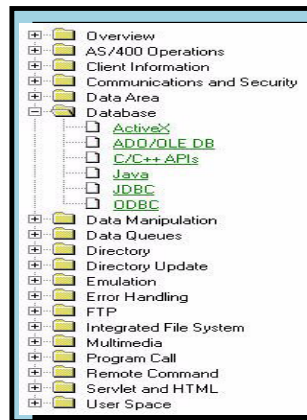
iSeries Access for Windows



Offers considerable middleware for Windows desktops...

iSeries Access for Windows Toolkit

- iSeries ODBC driver
- iSeries OLE/DB provider
- Visual Basic Wizards
- Data Queues
- Remote Commands
- Stored procedures
- Distributed program calls
- SQL APIs
- Data Transfer APIs
- PCOMM 5250 enablers
- Toolbox for Java components





Summary – iSeries Access Family



Pro's

- ✓ *Most customers have it*
- ✓ *Use 'out of the box'*
- ✓ *Offers many options*
 - ✓ *iSeries Access for Windows*
 - ✓ *iSeries Access for Linux*
 - ✓ *iSeries Access for Wireless*
 - ✓ *iSeries Access for Web*
 - ✓ *HATS LE*
- ✓ *Complementary to both WebFacing and HATS solutions*
 - ✓ *Brings access to additional resources through easy-to-use GUIs*
- ✓ *Bountiful Documentation and Examples*

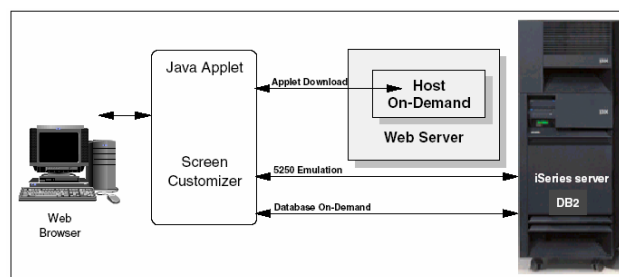
Con's

- ✓ *5250 workload to use the emulators*
- ✓ *Limited additional modernization without other products*

Best Use: *Intranet use for SMB customers
Complementary to WebFacing and HATS*



Host on Demand



- 5250 Translation done at execution time
- Java applets down-loaded to browser
 - Some applets may be installed as stand-alone clients
- Considerations:
 - performance
 - firewalls

Pro's	Con's
<ul style="list-style-type: none"> ✓ <i>Doesn't require WAS, so lower CPW requirements</i> ✓ <i>Easy to install</i> 	<ul style="list-style-type: none"> ✓ <i>Limited function – more of an emulator than a modernization tool</i> ✓ <i>Browser deployment of a green screen isn't what many customers want</i> ✓ <i>Priced per user</i> ✓ <i>Issues with ports required</i>
<p>Best Use: <i>Simple browser enablement when an app server can't be supported because of low CPW. Use for Intranet if port assignment is an issue</i></p>	

Original 5250

Integrate

Innovate

Improve

Reface

Extend

IBM Think Virtualization & IT Optimization



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w3 Doug Fulmer's On Demand Workplace

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Essential links

- [Assets & Expenses](#)
- [Collaboration Central](#)
- [Customer Reference Materials](#)
- [Expense Accounts - US](#)
- [Globalization Central](#)
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- [IBM Rochester, MN](#)
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- [Presentation Central](#)
- [Speak Up Program](#)
- [Sam's w3 Pages](#)

News

Top stories [Past 7 days >](#)

IBM targets Emerging Geographies for hyper-growth

There is a world of new opportunity for IBM in Brazil, China, India, Central and Eastern Europe and Russia – where many of our next clients are to be found.

Competitive Update: Microsoft growing but clouds gather

Open source, licensing issues, and other problems threaten Microsoft's long-term prospects. [Software Group]

Sprouting new opportunities: IBM and venture capitalists eye the future

IBM and venture capitalists together help shape the future of IT – and business. [Software Group]

IBM's Virtualization Engine

IBM has announced the Virtualization Engine, innovative technologies and services aimed at redefining the economics and management of the on demand operating environment. [Systems & Technology Group]

New Express offerings take worry out of IT management for mid-sized businesses

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BluePages

Name only (smith, jo*)
 Entire profile ("grid computing")

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Other searches

w3 intranet
 IBM discussion forums
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Symbol	Current	+/-

IBM Content and Layout Control



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ACM Income Fund, Inc. (ACG)	\$7.82	+0.14
Applied Materials, Inc. (AMAT)	\$18.93	+0.26
AllianceBernstein Americas	7.10	+0.06

IBM Personalized Content



The screenshot displays a personalized MSN page for a user named Doug. The page is organized into several columns and sections:

- Header:** "msn My MSN" logo, a search bar, and a "Help" link.
- Navigation:** "Doug's page" dropdown, "MSN Video" link, and utility buttons for "Add content", "Change colors", "Add column", and "Add page".
- My MSN:** A personalized welcome message for Doug, dated Monday, Oct 25, with a "this day in history" link.
- My favorite links:** A list of links including American Airlines, American Express, Bank of America, Dallas Cowboys, NFL, Dallas Morning News, Flower Mound Weather, IBM BluePages, IBM TDSP, IBM ESOP, IBM Online Travel Reservations, IBM Travel Expenses, IBM View Trip, IBM Airweb, iSeries Home Page, Tools Network, and Switchboard.
- Weather forecast:** A section for "Flower Mound, TX" showing a "Get quick forecast" button and a 4-day forecast table:

Today	Tue	Wed	Thu
82°/68°F	81°/66°F	81°/66°F	81°/65°F
- Stock quotes:** A "Get quick quote" button and a "Change details" link.
- MSNBC Front Page news:** A news article titled "Tons of explosives missing in Iraq" with a "Change details" link.
- FOX Sports NFL Football News:** A news section with a "Change details" link and a list of sports news items.
- AP Sports News:** A "Change details" link.

IBM New WebSphere News....

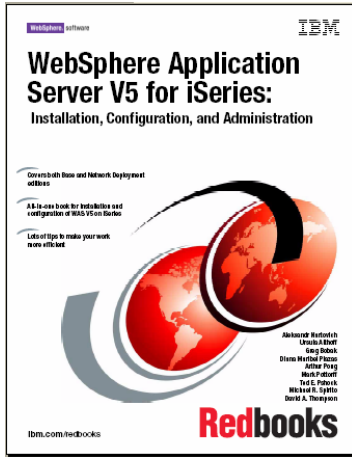


- WebSphere Application Server Express unlimited licenses in i5OS regardless of i5OS version
- Variable number of licenses of WPS Express in Enterprise Edition
- New Content in WDS*c*
 - Enterprise Generation Language
 - UIM support for WebFacing
 - HATS Studio and test licenses included

- Webfacing Tools system screens works only with V5R2 and V5R3 and handles only UIM based “system” screens – a few are DDS based and don’t work (but not many). Not all LPPs are written using UIM
- Be SURE that customers register their WAS licenses for maintenance via Passport Advantage
- HATS has some problems with subfile processing – testing before production is recommended to be sure.....

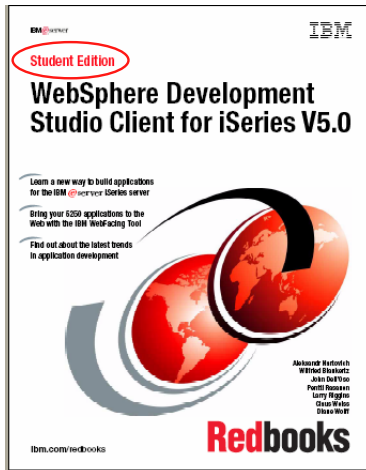
<http://www.ibm.com/servers/enable/site/ebiz/webfacing/start.html>

IBM WebSphere Application Server

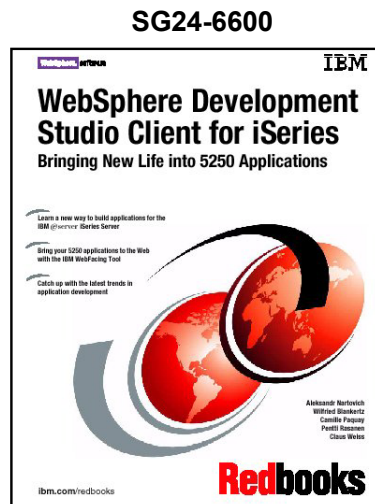


SG24-6588

IBM WebSphere Development Studio client



SG24-7086



SG24-6600

The screenshot shows the MCPRESS website interface. At the top, there are navigation links: Browse, New Products, Bestsellers, On Sale, Close Outs, Shipping>Returns, and Help. A search bar is located on the left. Below the search bar are dropdown menus for browsing by Subject, Product Type, Author, and Imprint. A 'hot topics' section lists RPG, SQL, Java, Security, and Internet. The main content area features the book cover for 'WDS*c*: Step by Step' with the subtitle 'A Practical Guide to Becoming Proficient in WebSphere Development Studio Client'. The author is Joe Pluta. The price is \$74.95, with availability for shipping within 48 hours. The ISBN is 1-58347-051-4 and the SKU is 5066. There is an 'add to my cart' button. Below the book cover are four icons: 'people who bought this product also bought...', 'look inside this book', 'read or write a review', and 'e-mail a friend'.

www.mcpressonline.com

The cover features the title 'WebSphere Development Studio Client for iSeries' with the subtitle 'Bringing New Life into 5250 Applications'. It includes three bullet points: 'Learn a new way to build applications for the IBM @server iSeries Server', 'Bring your 5250 applications to the Web with the IBM WebFacing Tool', and 'Catch up with the latest trends in application development'. The authors listed are Aleksandr Barvovich, Wilfried Blankertz, Candice Payne, Patti Rossman, and Clive West. The Redbooks logo and the URL 'ibm.com/redbooks' are at the bottom.

SG24-6600

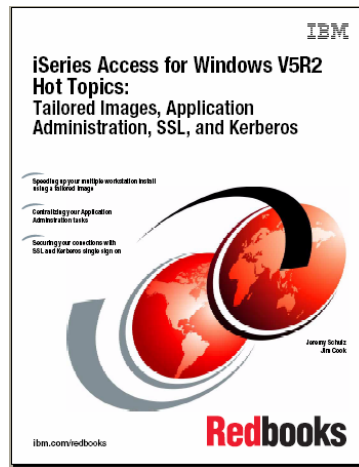
SG24-6801

The cover features the title 'The IBM WebFacing Tool' with the subtitle 'Converting 5250 Applications to Browser-based GUIs'. It includes three bullet points: 'Follow this complete guide and easy examples to use the IBM WebFacing Tool', 'Web enable existing host applications on the IBM @server iSeries server', and 'Use existing skills to create a Web interface'. The authors listed are Aleksandr Barvovich, Steve Hinkel, Steve O'Shaughnessy, and Barry Owen. The Redbooks logo and the URL 'ibm.com/redbooks' are at the bottom.

SG24-6331



SG24-7005



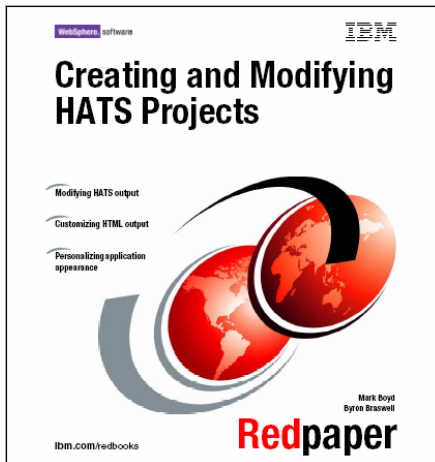
SG24-6939



REDP3706



SG24-6099



REDP3698

IBM @server

**iSeries Performance Capabilities Reference
Version 5, Release 2**

January 2003



This document is intended for use by qualified performance related programmers or analysts from IBM, IBM Business Partners and IBM customers using iSeries servers. Information in this document may be readily shared with IBM iSeries customers to understand the performance and tuning factors in OS/400 Version 5 Release 2. Requires for use of performance information by the technical trade press or consultants should be directed to Systems Performance Department V17, IBM Research Lab, in Rochester, NY, 5901 USA.

**IBM WebFacing Tool
Performance Update using
WebSphere Application Server
V5.0**

Dean Henkel
IBM eServer Solutions Enablement
Rochester, MN
June 2003

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The screenshot shows the MC Press website interface. At the top, there are navigation links: Browse, New Products, Bestsellers, On Sale, Close Outs, Shipping>Returns, and Help. A search bar is located below the navigation. On the left, there is a 'browse' section with dropdown menus for 'by Subject', 'by Product Type', 'by Author', and 'by Imprint'. Below that is a 'hot topics' section with links for 'RPG', 'SQL', 'JVA', and 'Security'. The main content area features a product advertisement for 'SQL for eServer i5 and iSeries' by Kevin Forsythe. The advertisement includes the title 'Are Your Database Skills Cutting Edge?', the author's name, price (\$64.95), availability (ships within 48 hours), ISBN (1-58347-048-4), and SKU (5063). There is an 'add to my cart' button and several icons for 'people who bought this product also bought...', 'look inside this book', 'read or write a review', and 'e-mail a friend'.

www.mcpressonline.com

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eBusiness for iSeries Programmers

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- Coding HTML and XHTML - Basic Elements
- Coding HTML and XHTML - Advanced Elements
- Coding JavaScript
- Using JavaScript to Enhance Web Pages
- Writing a CGI Program in RPG
- Developing Web Applications Using Net Data
- eBusiness for iSeries Programmers Competency Exam

Integrated Language Environment

- ILE Program Development in RPG
- ILE Program Development in OS/400 Control Language
- ILE Program Development in C
- ILE Program Development in COBOL
- Advanced ILE Program Development
- Using the ILE Source-Level Debugger
- Integrated Language Environment Competency Exam

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iSeries. mySeries.

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Course Roadmap

Use this Roadmap to see the courses you need to take to achieve this skill or certification. Click to go directly to a specific course description, view its schedule, and enroll.

Back to previous page

iSeries RPG IV Programming

START HERE...	CONTINUE HERE...	ADVANCE TO...
<p style="text-align: center;">E</p> <p style="text-align: center;">Go Back</p> <p>Have RPG III experience & need RPG IV?</p> <p style="font-size: x-small;">Yes</p>	<p style="text-align: center;">S6126 - Moving from RPG400 to iSeries RPG IV (3 Days) Classroom</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">S6248 - Tools for Modernizing RPG Skills for iSeries (4.5 Days) Classroom</p>	<p style="text-align: center;">You may be ready for:</p> <p style="text-align: center;">Certification Test 267 - AS/400 RPG IV Developer</p>
<p style="font-size: x-small;">No</p> <p>No programming experience and need RPG IV?</p> <p style="font-size: x-small;">Yes</p>	<p style="text-align: center;">RM520 - Workbook - Audio Tape</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">RM521 - Workbook - Audio Tape</p>	<p style="font-size: x-small;">Conceptual programming training can be obtained at a local community or technical college.</p>

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