eclipse & iSeries New WebSphere Announcements!!

IBM Toronto Development Laboratory

WebSphere software

the fastest way to dynamic e-business



Agenda

iSeries e-business Strategies

 WebSphere Application Server Options for iSeries Customers

 June 4th Announcements for iSeries Application Development

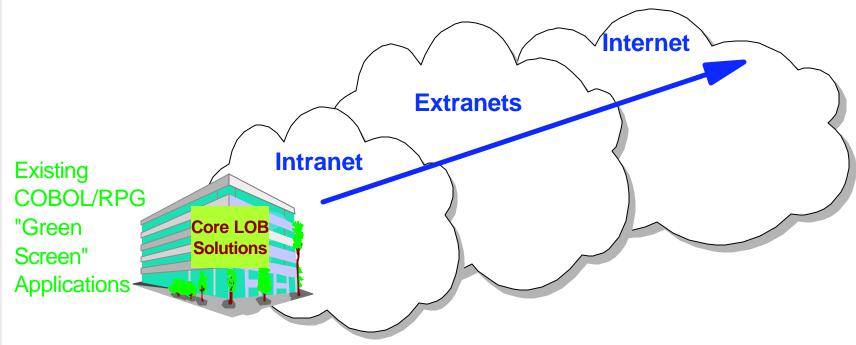
Questions & Answers





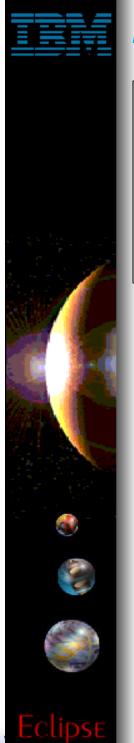
iSeries e-business Strategies

- #1 Extend existing applications to the Web
- #2 Buy new e-business applications from ISV's
- #3 Build new e-business applications
- #4 Consolidate e-business workloads



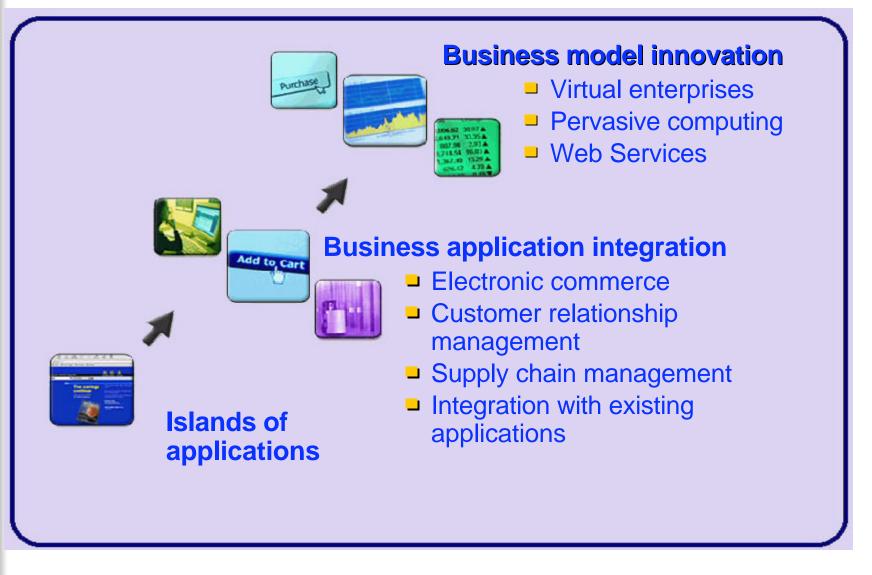








e-business Evolution (Stages of Adoption)





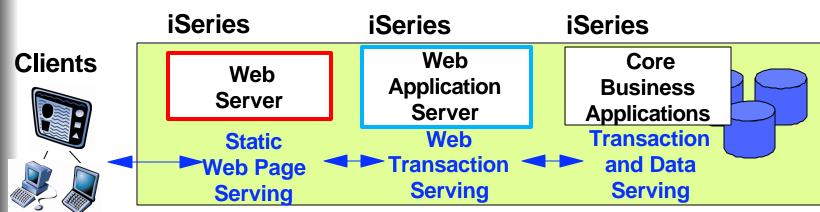
iSeries, Web Serving & Web Application Serving

iSeries Web Servers

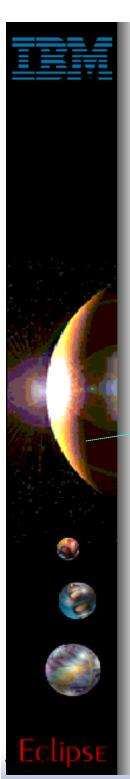
- IBM HTTP Server for iSeries
- IBM HTTP Server (Powered by Apache)
- Domino HTTP server

Web Application Servers (WAS) for iSeries

- 1. IBM WebSphere Application Server 3.5 (Older)
- 2. IBM WebSphere Application Server 4.0 (Current)
- 3. Apache Software Foundation's Jakarta Tomcat (Open Source)
- 4. IBM WebSphere Application Server V5 (NEW)







WebSphere Application Server V5

Expand business opportunities and productivity through a world class infrastructure ready for the next chapter in e-business

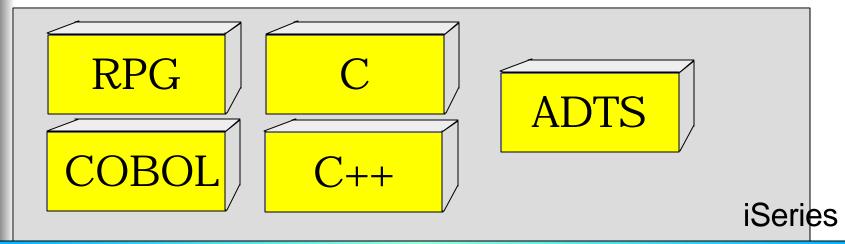
WebSphere,
Foundation and Tools

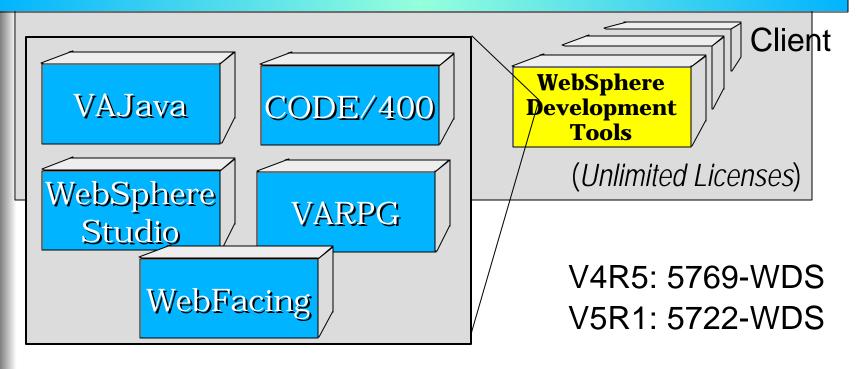
WebSphere V5 Leadership	Customer Value Proposition	Open Standards Leadership
Comprehensive Build-to-Integrate Platform	Improve time-to-value by building new integration-ready applications which leverage existing software assets	J2EE Web Services Platform
Agile Deployment and Administration	Lower cost of ownership and minimize startup investment with highly productive and flexible administration, deployment and management services	UDDI, Security, Administration, etc.
Intelligent End-to-End Application Optimization	Create competitive advantage and optimize price/performance while meeting the changing demands of dynamic e-businesses with industry leading reliability, availability, scalability, performance and security	Edge, Grid and Service Management
Highly Integrated Application Development	Maximize ROI and lower labor costs with superior developer productivity	Eclipse & Open Source Communities

IBM @server. For the next generation of e-business.

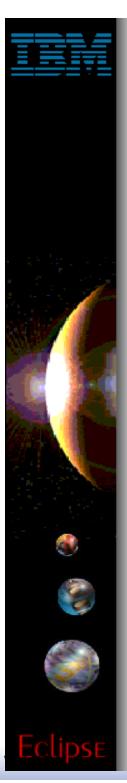


WebSphere Development Studio for iSeries



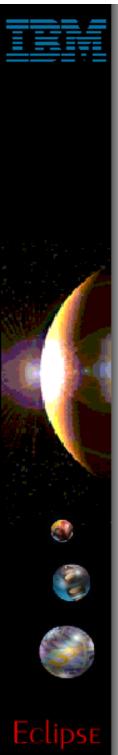


IBM @server. For the next generation of e-business.



Benefits

- Benefits to Developers
 - All tools packaged together
 - support all application models from traditional to web to java
 - price point was attractive
 - no decisions one package to order
- Benefits to IBM and Partners
 - -all customers have same suite of tools



Customer Response

WebSphere Development Studio for iSeries is a HIT!

Most successful launch of development tools in the history of the midrange marketplace!

Shipped over 50,000 copies of WDS since May 23, 2001

"The most significant change in AS/400 application development EVER!" Al Barsa, Barsa Consulting

On WebFacing "5250 to Web GUI - No Sweat!" Garry Reinhard, CEO/Appcon

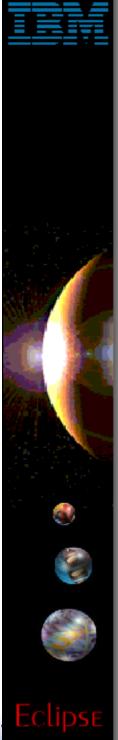
"The new IBM Tool strategy for AS/400 rocks!" Carson Soule

"IBM has definitely got it right this time!" Charlie Massoglia, COMMON President

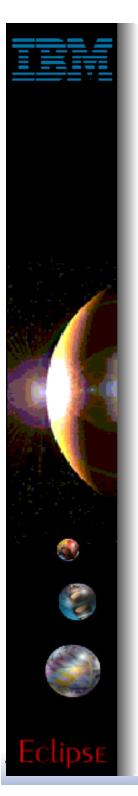
"WDS was great in V5R1 BUT it gets even better in V5R2!" Jim Mason, beta customer



New WebSphere Development Direction Announced

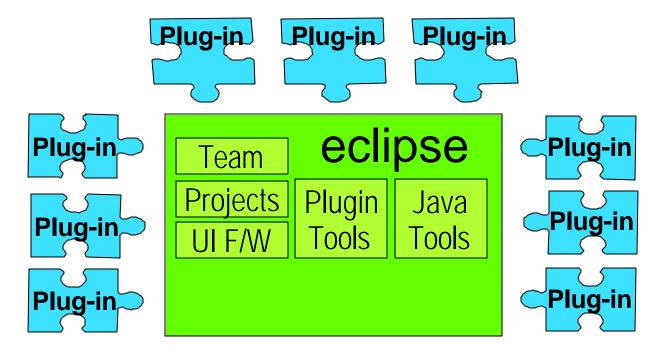


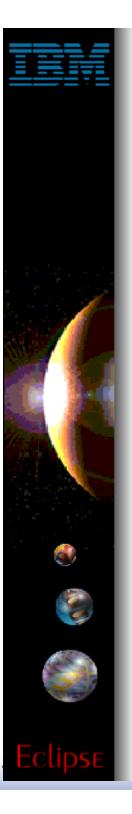




eclipse

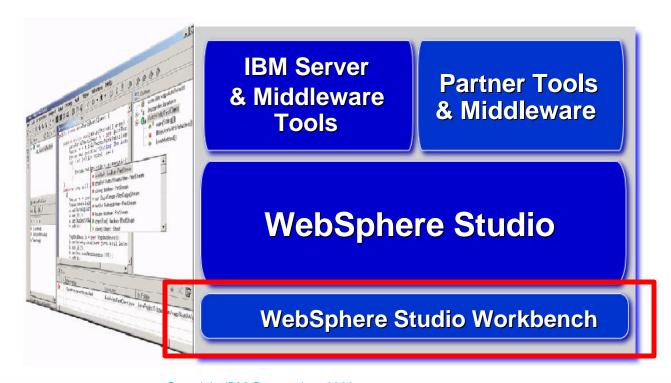
- eclipse is IBM's new IDE technology engine
 - -fully open-source @ www.eclipse.org
 - -huge interest: > 500,000 downloads
 - -written in Java
 - easily extended by plugins
- Great industry feedback
 - buy in from many industry tool vendors

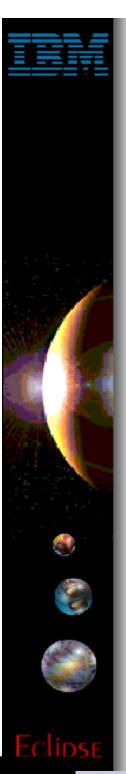




WebSphere Studio Workbench

- IBM's commercially supported implementation of the Eclipse open source technology
- the foundation for the new Websphere Studio family and future IBM middleware tools
- Enables partners or customers to develop, customize or integrate tools with the Websphere Software Platform
- Support by a new business partner program





Benefits to Using eclipse

- Benefits to Users
 - Increased productivity through integration of tools and the development team
 - Flexibility through choice of tool plug-ins
 - Reduced training cost through single extensible IDE
- IBM Benefits
 - Increased speed to meet developers needs
 - Packaging flexibility
 - Rapid integration of best-of-breed partner tools
 - Greater focus on tools vs. tool infrastructure



Offerings

WebSphere Studio is IBM's next generation development environment



- WebSphere Studio Homepage Builder
 - Fast, Easy, Powerful Web site development
 - Includes WebVideo Studio
- WebSphere Studio <u>Site Developer</u> Advanced
 - Development of dynamic Web sites (Web services, JSPs, Servlets, XML, Rich Media)
 - WebSphere Studio Professional and Advanced Editions Version
 4.0 will contain the Beta version of this product

IBM Server

& Middleware

WebSphere Studio

vvepapnere atudio vvorkoenci

Partner Tools

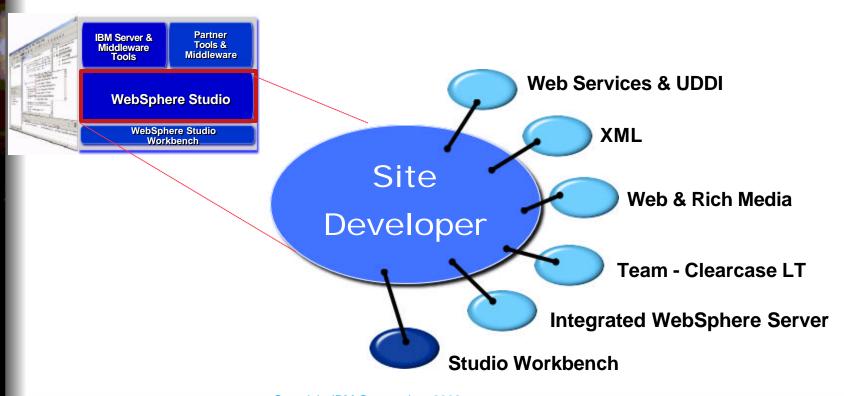
& Middleware

- WebSphere Studio <u>Application Developer</u>
 - Development of J2EE and database applications in a team environment
 - It has all the functions of WebSphere Studio Site Developer
 - VisualAge for Java Enterprise Edition Version 4.0 will contain the Beta version of this product



WebSphere Studio Site Developer - Advanced

- ★ For professional developers of dynamic Web applications & sites
- ★ Delivers integrated support for open Web standards, including Java, JSP, XML, Rich Media & Web services tools
- ★ Includes Rational ClearCase LT as a team development option



IBM eserver. For the next generation of e-business.

IBM

WSSDa 4.03

- Includes (roughly):
 - classic VAJava Pro + enhancements
 - classic WebSphere Studio Standard + enhancements
 - new WAS 4.0 Test Environment
 - new tools for Servers, XML, Web Services and Database design

WebSphere Studio Site Developer Advanced

Team

Projects
UI F/W

Plugin Tools Java Tools **WAS Test Environment**

Web Tools AppSrvr Tools

WebSvc Tools XML Tools DB Tools



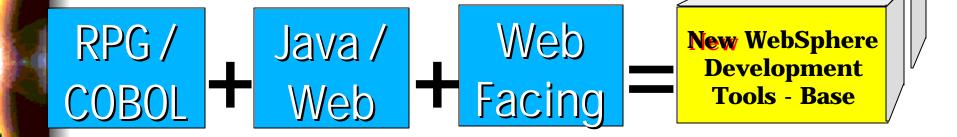


What We're Announcing TODAY!

New Technology

1. Integrated Development Environment

(based on WebSphere Studio Site Developer Advanced)



New Tools

2. New Tools for New Technology



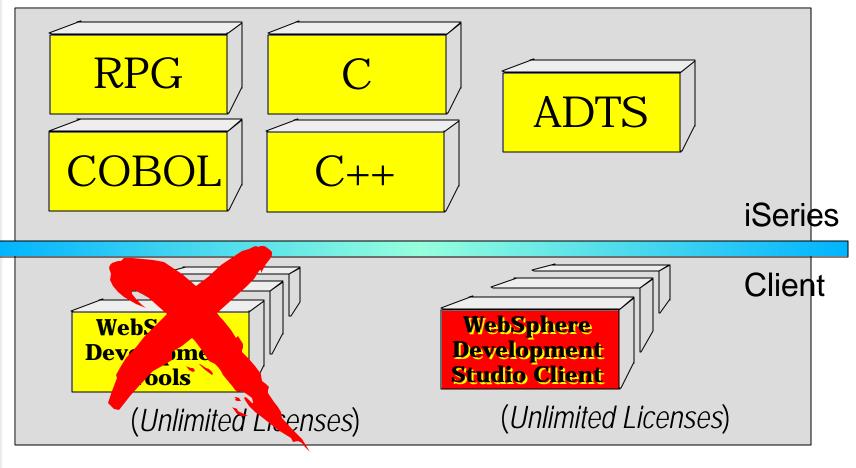
IBM eserver. For the next generation of e-business.



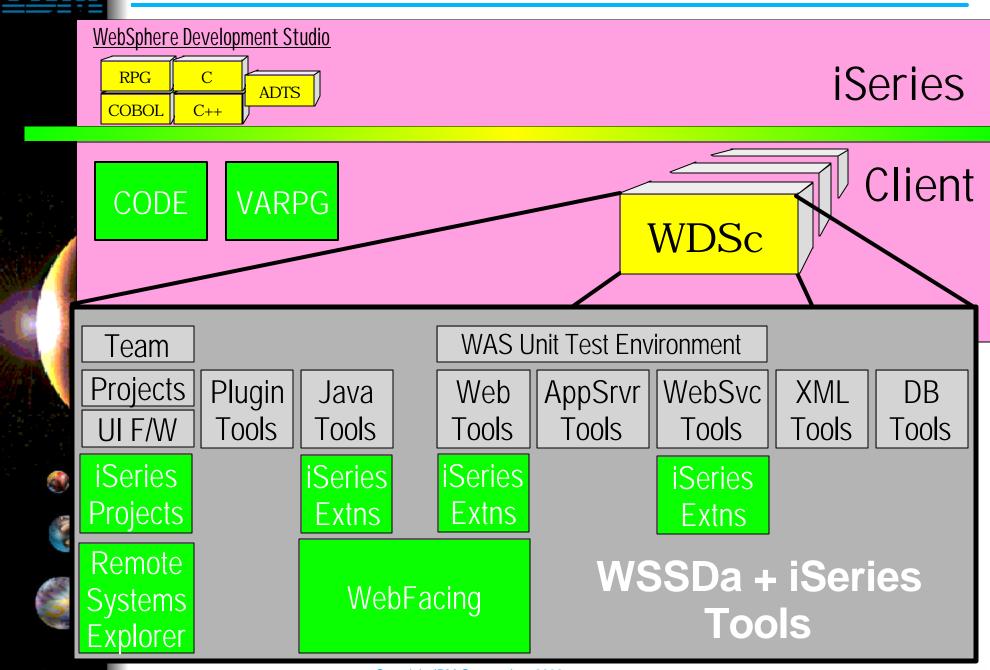
What We're Announcing TODAY!

WebSphere Development Studio Client

- New version of client tools for iSeries Development
- Based on eclipse technology



WDS and WDSc 4.0!







Why WDSc?

WDSc Benefits

- 1. One Integrated Development Environment (IDE)
 - increased productivity for programmers
 - skills transfer from one perspective to the next
 - simplified testing
 - traditional applications
 - web applications
- 2. IBM can add additional functions through plug-ins without having to re-write an entire tool
- 3. Faster response to industry changes
 - plug-ins
 - integration of non-IBM tools
- 4. Inclusion of latest industry trends
 - XML
 - Web Services

One Development Environment This is the action for adding a specific tape of fill specifically, this is for adding a member filter stri Java Plug-in Development - Site Developer white Dialog createDialog(Shell parent) File Edit Perspective Project Debug Window Help Select Perspective adding a specific type of filte for adding a member filter strin ⊞ Help Dialogaction Constants J2EE Java Java Java Type Hierarchy ringAction(Shell parent) Plug-in Development Plugin.getResourceBundle(), RESIL sup(com. ibm.etcols.systems.core.ur Resource Addition (Action (Action) Caused anglished) get and charge (Action) nherited actionPerformed method trod to create our dialog. **⊞** Scripts Server malog(shell parent) Team Trace Remote Web (default) EX XML System GETDATA "pgm.rpgle HELLOW."pgm.rpgle CALLPGM."module.rpgle **Explorer** Cancel this is the text for hellow RPGLE Web INPUT NAME-1:d" TVPE-"text" SIZE-"20" NAMIENGTH-"40" VALUE-" Eclipse IBM @server. For the next generation of e-business. Page (21)



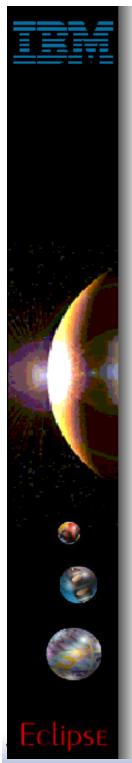
What? When?

WebSphere Development Studio Client (WDSc)

- eclipse based tools
- It is the "new" WebSphere Development Tools
 - Will ship with V5R2 version of Websphere Development Studio for iSeries
- No additional charge upgrade for existing V5R1 licenses
 - Must specifically order the upgrade no auto-ship
 - 5722-WDS Refresh feature code 2655
 - Available on July 14

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





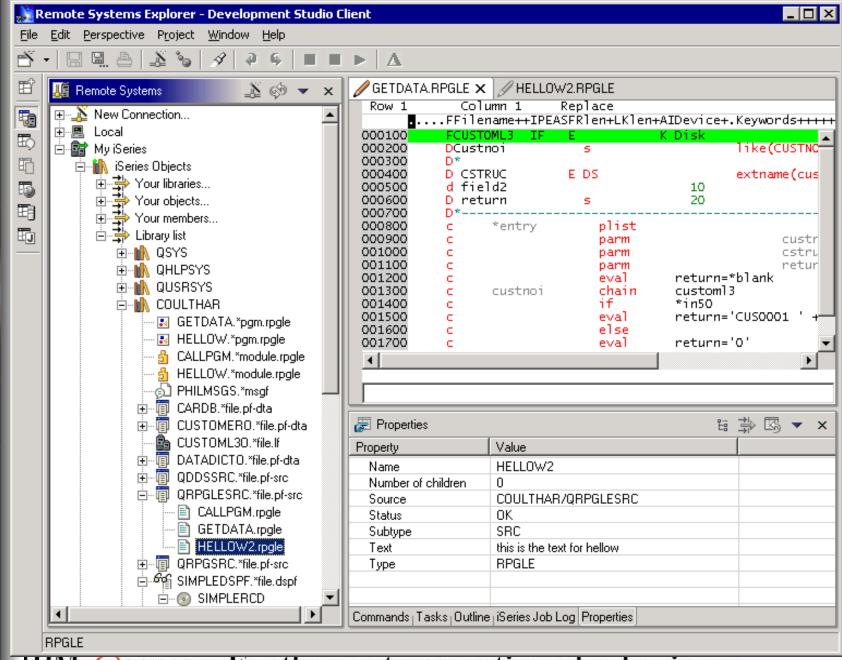
Components

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

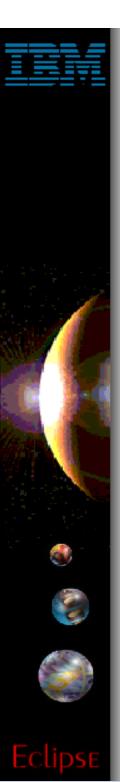
More details: www.ibm.com/software/ad/wdt400



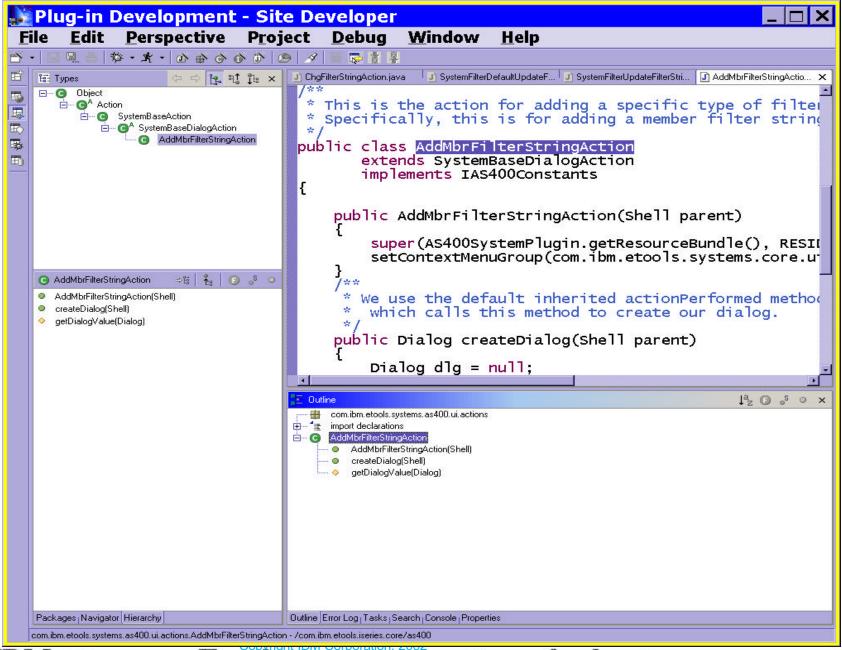
Remote System Explorer Perspective (Native)



IBM @server. For the next generation of e-business.

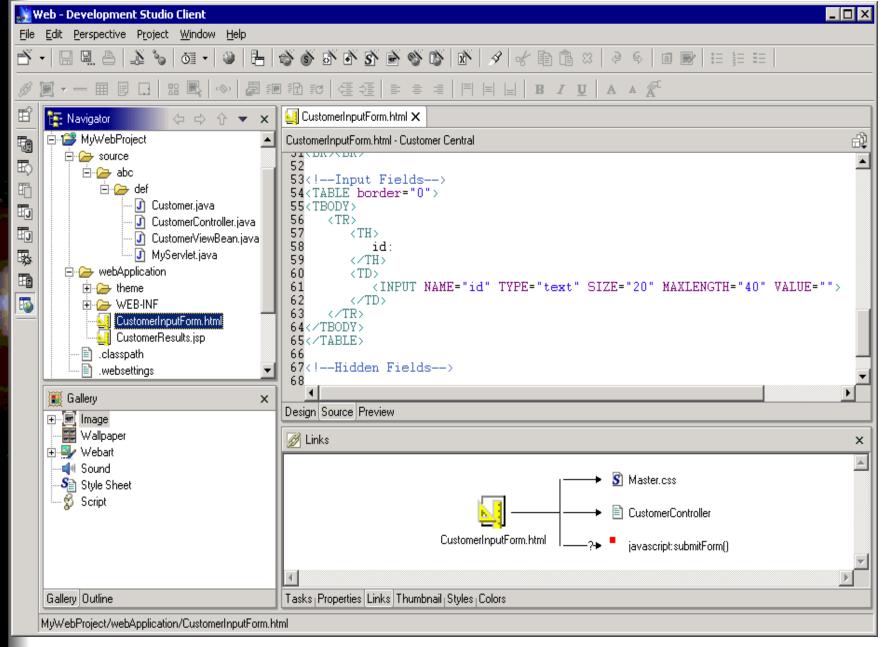


Java Perspective



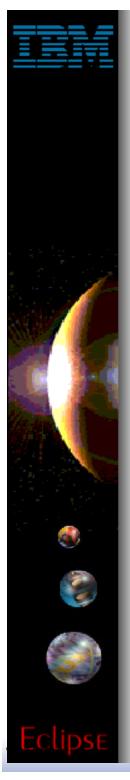


Web Perspective





WebFacing Perspective _ | D | X IBM WebFacing Tool (First Edition) File Edit Workbench Perspective Window Help ** - | | | | | Workspace X Workspace WebFacing Projects Navigator Z0000001Data.java | Z0000001Feedback.java | Z0000001Vie 🚺 🕨 **Z0000001.jsp** WebFacing Projects X <% /* %><HTML> <HEAD> <META name="GENERATOR" content="AS/400</p> Ē-- 🛅 DDS </HEAD> <BODY><% */ %> <% System.out.println("Processing Reco</p> Z0000001 <%@ page import="com.ibm.as400ad.webfa</pre> B Z0000001Data.java <jsp:useBean id='Z0000001' scope='sess</pre> Z0000001Feedback.jav <% final int QUOTED TRANSFORM = HTMLSt</pre> 🗐 Z0000001View.java <% final int UNQUOTED_TRANSFORM = HTML</pre> ¹ Z0000001.jsp <% final int zOrder = Z0000001.getZOrd</pre> <% int lastCol: %> Z000SFH1 <% /* %><TABLE><TBODY><% */ %> Z000SFD1 Z000SFC1 <TR> <% lastCol = 0; %> <TD id="l<%=zOrder%>rlc1" colspan=1>&n roperties. <TD id="1<%=zOrder%>r1c2" NOWRAP colsp <span id="Z0000001\$CURREC" <%{Display</pre> Value </TD> <% lastCol = 9; %> TORAS14M <TD id="l<%=zOrder%>r1c10" colspan=25> weh <TD id="1<%=zOrder%>r1c35" NOWRAP cols 6840A3295783B73E4A* <span id='const0' <%{DisplayAttribute</pre> admin@ibm.com </TD> IBM eserver. For the next generation of e-business.



Market Feedback

ASC Inc

Chris Wilson, Director, Programming/Operation Tools

"Eclipse is perhaps the single best idea we've seen out of IBM in years. By leveraging it's experience with Java, IBM has created a plugin shell that has a real chance of replacing Microsoft's Visual Studio as the standard IDE in the industry. Despite its youth, Eclipse is the most powerful Java IDE we have ever encountered."

"WDSC combines an outstanding industry standard version control in CVS with tools like our ABSTRACT impact analysis to finally create a true graphical development environment for the iSeries platform."

LANSA Inc Bill Benjamin, Vice President, Business Development

"The goal of Eclipse to provide a seamless interface where developers can leverage tools from multiple vendors is a great idea and is something that will add value to our customers. Eclipse is a great way to make it easy for iSeries customers to integrate WebSphere and leading development tools like LANSA".

SoftLanding Systems Mark Phippard, Director of Development

"Finally, an IDE done right! SoftLanding is very excited about the new Eclipse-family of IDE's, including WDSc. We believe that these IDE's represent a major step forward for our customers and all iSeries customers and business partners. We are excited about the technology and are firmly committed to contributing plug-ins for our TurnOver change management product and to provide the best possible support for all Eclipse-based development."



Market Feedback

Republic Indemnity of America Bob Cancilla, IT Director. Also runs www.ignite400.org

"I have never been so impressed with a product as I am with what I am seeing in here. This is one of the most totally incredible products I have ever seen in 30 years in the business."

Mid-Comp International Robert A. Hare, WebSphere Team Development Manager

"It is very important in the development of our web enablement projects to have all developers working from a common work bench. Using the WDSc allows all areas of development to come together from RPG maintenance and modifications to java code generation. The WebFacing tools and wizards that generate Java allow legacy programmers to be far more efficient helping bring the WebApplication to the client faster."

Aldon Computer Group Dan Magid, Vice President

"Aldon Computer Group is pleased to be working in partnership with IBM to integrate Aldon Affiniti with the Eclipse open source workbench. Aldon Affiniti's integration with Eclipse provides an easy way for developers to combine the powerful, unified multi-platform change management system of Aldon Affiniti with the wide range of developer tools available through Eclipse."



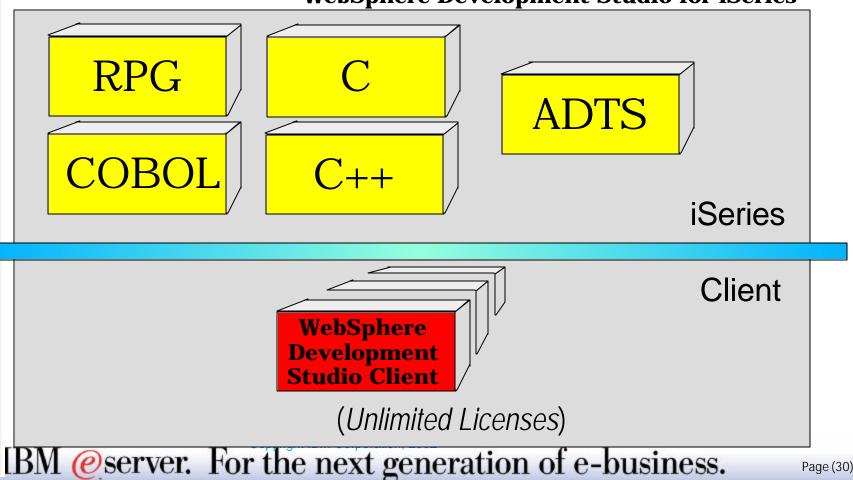
Summary

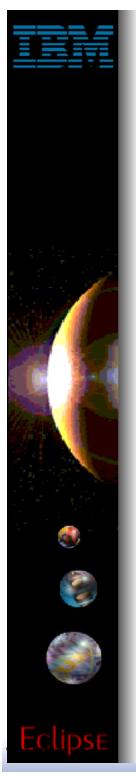
The Best Gets Better!!!

WebSphere Development Studio Client delivers:

- Comprehensive suite of integrated tools
- More than ever "there are no excuses"

WebSphere Development Studio for iSeries





More Information

www.ibm.com/software/ad/wds400

- As of June 4th www.eclipse.org
- Eclipse and information about eclipse www.ignite400.org
- Introduction to eclipse article
 eServer iSeries magazine, July issue
- -3 articles on WDSc www.ibm.com/websphere/developer
 - WebSphere Developer Domain
- Many articles on eclipse and WSWB and WebSphere Studio configurations
 www.ibm.com/software/solutions/webservices
 - Web Services