

Create An Exceptional Multi-Channel Web Experience Using IBM Rational Application Developer for WebSphere Portal

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IBM Software

Innovate2011

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Agenda

Exceptional Web Experience Overview

Rational Application Developer Overview

Rational Application Developer Portal Tool Kit Overview

Demonstration of Rational Application Developer Portal Tool Kit

Question and Answer Session



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An Exceptional Web Experience...

Generates strong customer loyalty

Has a wow factor

Is adaptable to changing markets



First Impression of your business lends credibility

All built on a technology foundation you can trust



Our customers are telling us they need to...



Build brand, revenue, and customer satisfaction using online properties



Drive higher value customer interactions via lower cost channels



Increase business responsiveness by consolidating sites



IT business analyst



VP of customer support



Public Information Officer (Government)



IT Director of web architecture



VP of online sales



VP of Direct-to-consumer Marketing (Insurance)



Director of online marketing



Creative agency



Chief Medical Informatics Officer (Healthcare)



IBM Project Northstar

Leading the way in exceptional customer experiences

Vision about the “art of the possible” for engaging Customers on the web.

Multi-year IBM strategy to deliver the capabilities for our customer to excel at customer-facing experiences.

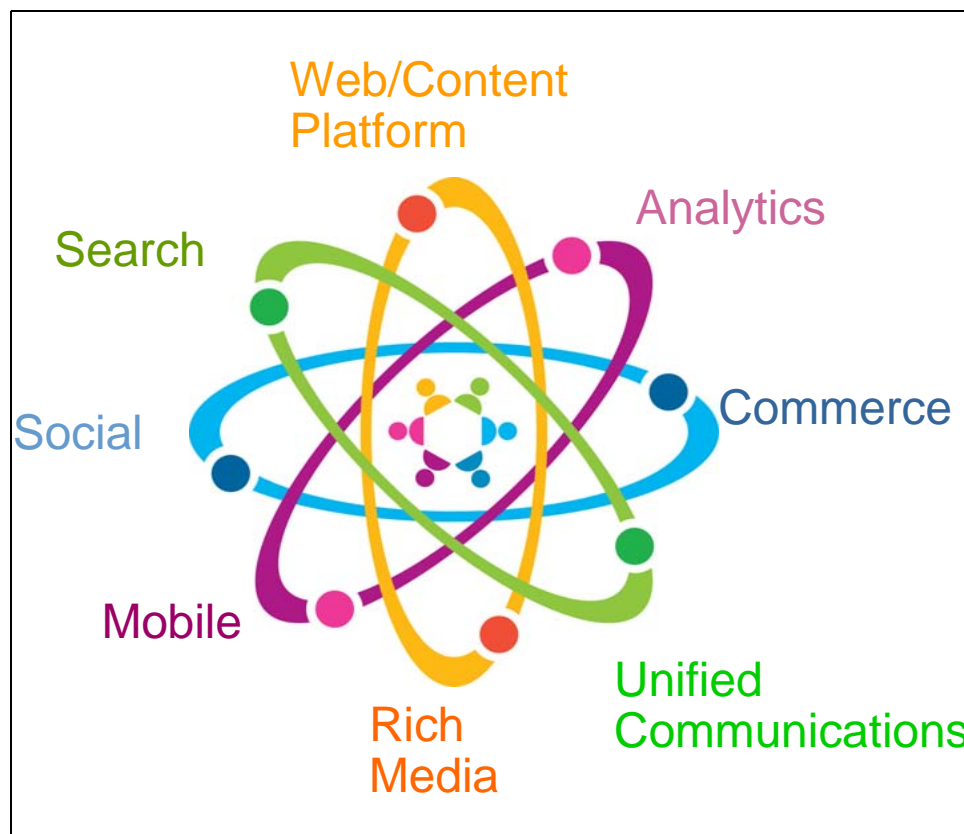
Context is key. The best Web experiences make all users feel like the experience was custom fit for them – based upon their preferences, device, location, social networks, and behaviors.

Social is everywhere and everywhere is social. Organizations hoping to meaningfully interact with, and listen to, customers must transform their online experience beyond one-way information sharing or “brochure sites”. A more socially-infused experience is now expected, one that supports true dialogue with, and between, customers.

Web Experiences can be both visually pleasing and flexible. You don't need to sacrifice scalability, flexibility, and manageability to create a graphical, persuasive, and responsive web experience.

Integration must be easy. To create a truly interactive, context-aware Web experience, you must be able to easily leverage and extend existing data sources like CRM systems, social media sites, and back-end applications, as well as other product or cloud-based service you acquire in the future.

Proper measurement can lead to competitive advantage. At a tactical level, analytics are key to determining if you are meeting your business objectives and properly engaging customers. At a more strategic level, analytics are also fundamental to gathering enough information about your customers to truly understand them, making it possible to deliver user-optimized Web experiences that deliver more to your bottom line.



People are at the center of an exceptional experience; Capabilities are employed as necessary to help achieve experiences that meet/exceed the expectations of the intended user(s)



WebSphere Portal: Key value propositions and capabilities

User Expectation & Appeal

- Integration of **Web 2.0 features** for a richer, more responsive, and modern user interface
- Full **personalization of user experience**
- Recommendation engine for **cross-selling and customer monitoring**
- Multi language**, disability access
- Universal access** (PCs, Mobile phones, TV) for new entry points to service and access

Speed to Market & Reduced Costs

- Component based model for **faster development, re-use, and cost effective deployment**
- Parallel development** of service and application components
- Shared 'plumbing' code so more time **spend creating business function not reinventing**
- Powerful customization** capabilities to change look & feel of website **without coding**

Flexibility & Agility

- Flexible **integration of 3rd party content and applications**
- Give **LOB and business users control over their website content and processes** while maintaining IT control over standards and best practices
- Separation of content from presentation**
- Increased **content re-use and reconfiguration** vs hard coding
- Easy integration** of web content management and On-line Forms capabilities
- Support for **leading portal standards** to maximize **reuse and investment protection**

Performance & Scalability

- A set of **best practices on building web platforms**, developed and **refined over 6 years** by industry leading portal platform vendor
- Proven to **scale for large numbers** of customers and users
- Extendable** to other enterprise portal environments



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Business challenges to the effective delivery of software

A history of cost overruns, schedule slips and quality issues



We need to deliver new and custom applications faster



Cost of development is rising but budgets are declining



Too many re-writes and failed launches



Overwhelming application complexity



Time wasted integrating piecemeal, multi-vendor solutions



Too many problems late in the cycle getting to production

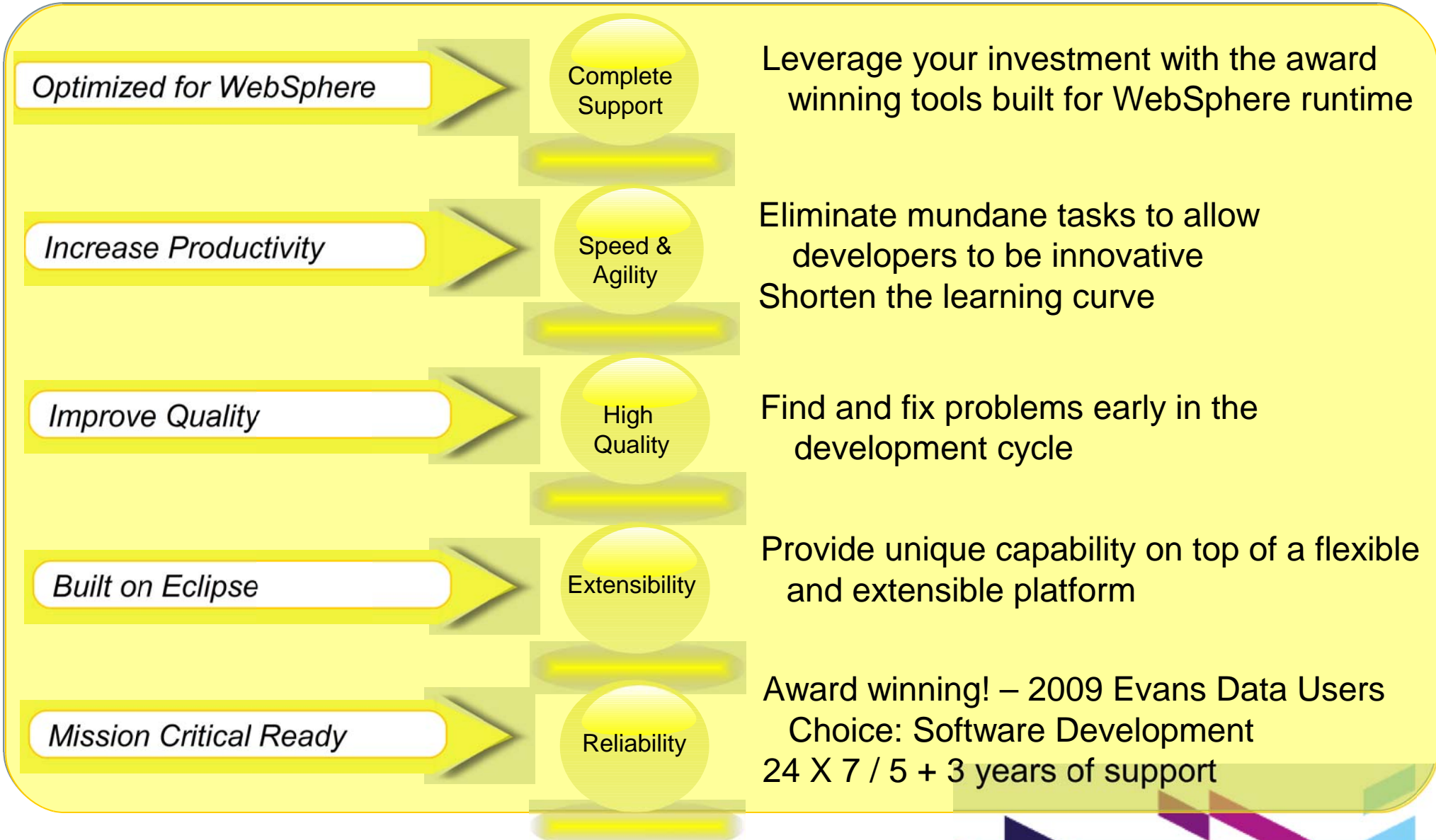


Hard to stay current on new technologies.




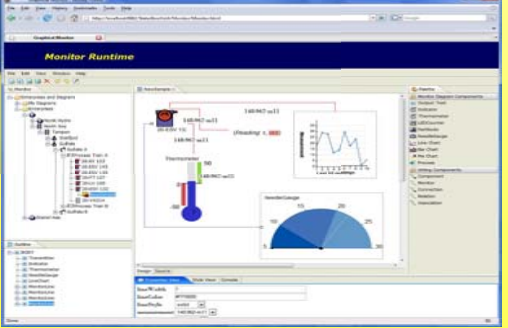
Rational Application Developer for WebSphere Software

Streamlined development for WebSphere Application Server and WebSphere Portal



Customers use RAD to build Enterprise Java IT applications

1st Tier


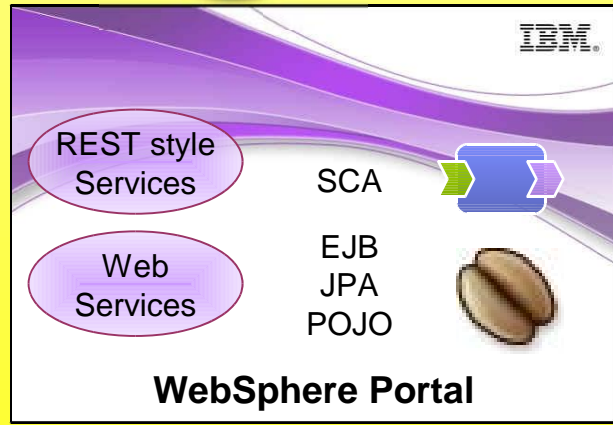
Web Clients

- JavaScript
- JSF

Portal Client

Rich Java GUI Client

2nd Tier

WebSphere Portal

REST style Services

Web Services


SCA

EJB


JPA

POJO


IBM



Tomcat



JBoss



InfoSphere MashupHub

3rd Tier






IBM CICS Transaction Server

IBM InfoSphere DB2

Oracle

IBM InfoSphere IMS

SAP

PeopleSoft

...

RAD accelerates SOA, Java EE, Web 2.0 and Portal development

Evans Data IDE User Choice Award



Web 2.0

Extend SOA and Java EE assets to the glass via dynamic, rich JSF and DOJO applications



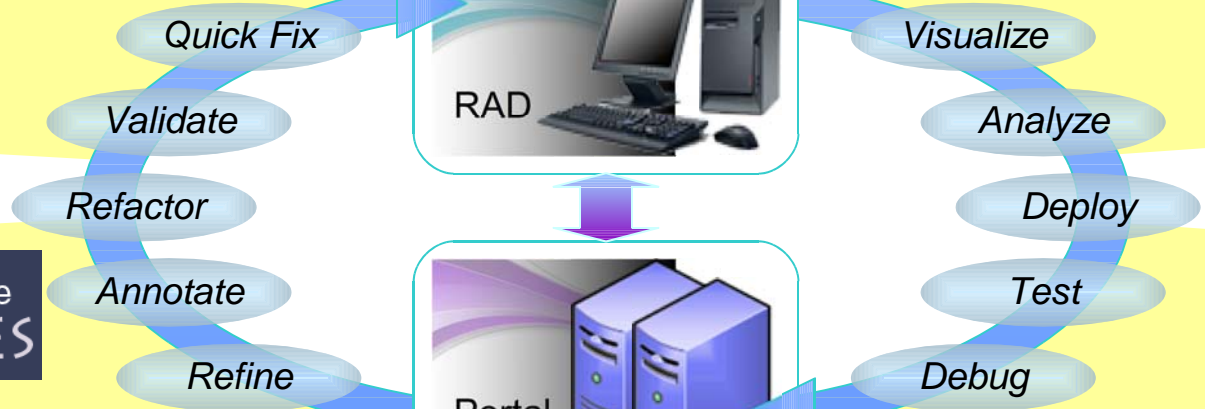
Team Collaboration

Rational Team Concert:
Collaborate, Problem Determination



SOA

Assemble Web services and SCA components into heterogeneous business applications



Java EE 6 and OSGi

Develop, test and componentize Java EE 6 applications with annotation based programming



Smart Phone Applications

Build and test smart phone applications
www.blackberry.com/developers/ibmr/ad



Portal

Visually design portal sites and portlets for WebSphere Portal Server



Agenda

Exceptional Web Experience Overview

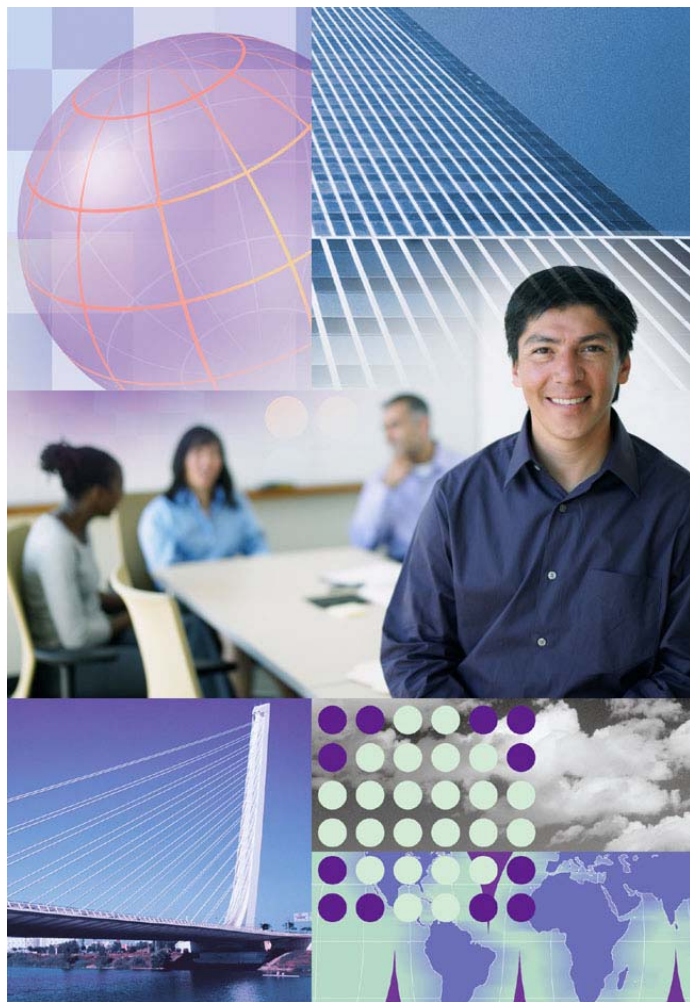
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Question and Answer Session

Increase Productivity



Eliminating mundane tasks through wizards, visual development, and editors that provide assistance as you develop

Suggest ways to complete the code you're writing, look up APIs for what you've typed, validate your code as you type, suggest solutions to errors in the code

Improve application understanding through Code Visualization.

Help resolve the: "I just inherited this code, and I have no idea what it does"

Support developers adopting agile and iterative development styles

Design, code and test incremental parts of the application.

Help manage changes you need to make.

Make new technologies easier to learn, and faster to implement, with less bugs.



RAD Portal Toolkit V8.0.x: At a glance

Support for WebSphere Portal V 7

CSA2 or pagebuilder theme support

Developer Experience Enhancements

PTK Usability Improvements

Portal run-time segregation for WAS/WID

JSF Best Practices & Performance study

JSF 1.2 support

JPA enabled portlets

JAX-WS for Portal V7

Eclipse 3.6

Upgrade in place

Clean Install

Additional Enhancements to PTK Web 2.0 Features

Cloud support

Multi-channel device development

PTK - Portal Dojo Library (dijit support)

Easily build compelling, highly interactive portlets

Create client-side charts and graphics

PTK - iWidget Support (v1.1, v2.0)

Creation wizard

Consume iWidgets and static pages in portal

Publish iWidgets and Pages to Portal

Test using Mashup enabler v2.0

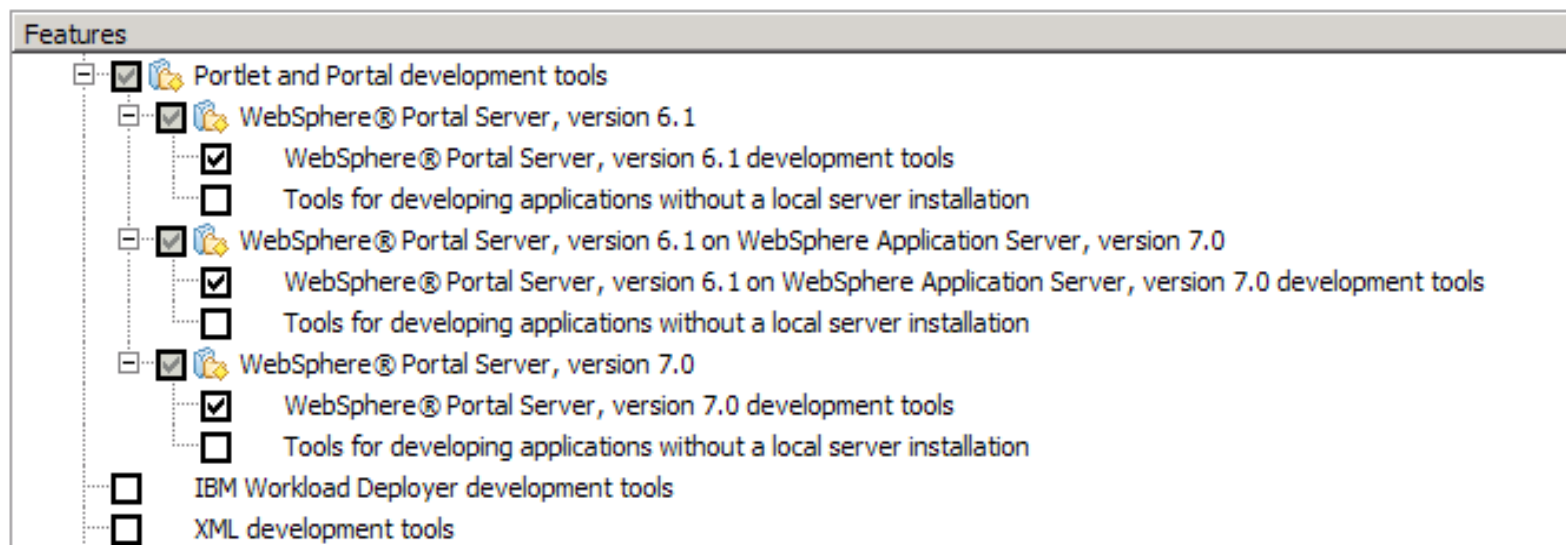
PTK – Portal Site Designer Tool

Manage layout and content of your Portal site from within RAD

Faster than ever preview of Portlets and iWidgets



Optional and Flexible Installation of Portal Stubs



Install only the Portal version that's required;

No need to install Portal Stub if Portal server is installed on the local machine

Advantage: reduced hard disk footprint (**by ~20%**)

Ability to shell share with other Eclipse based products which helps developers manage the life cycle of their applications on their desktop

Download & footprint improvements for the WebSphere test environment

Enterprise install capabilities for simple maintenance and provisioning of your own standardized install configurations.

Create response files for what install configuration you need.

Building Skills Quickly – Wide Range of Help

Common Configurations
Help System

Remote help for "IBM® Rational® Application Developer for WebSphere® Software" is available and is enabled by default. You can use remote help to dynamically retrieve the latest product documentation from the Web. If you work offline, you can download the help that you need into your local help system. You can also connect to a help system that is set up on your intranet server. If you install packages that do not use remote help, the documentation for those packages is installed on your computer.

After the installation, you can change how you access help by using the help preferences option in the product.

- Access help from the Web
- Download help and access the content locally. Only limited help content is included during installation. When you first start the product, the complete online help is downloaded and installed provided that you have an Internet connection. On subsequent startups, available updates to the help are downloaded and installed.
- Access help from a server on your intranet

Host:

Port:

Path:

Help - Rational® Application Developer™ for WebSphere® Software

Search: GO Search scope: All topics

Contents

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 - [+] Create a Hello World Java application
 - [+] Create a J2C application for a CICS transaction with the same inp
 - [+] Tutorial: Explore Portal Designer
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- [-] **Samples**
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 - [-] Technology samples
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 - [+] Java
 - [+] Portal
 - [+] Portlet
 - [+] SCA
 - [+] Struts
 - [+] Web services
 - [+] Web site designer
 - [+] XML

Various install options to manage your desktop configuration better
Can be installed on a Enterprise wide common infrastructure

Advantage:

- Available on internet – regular updates
- And even more reduced hard disk footprint

Tutorials

- Watch & Learn
- Do & Learn

Samples

- Application Samples
- Technology Samples



Portal Toolkit: an end-to-end Integrated Development Environment

The screenshot displays the Portal Toolkit IDE interface, which is divided into several key areas:

- Enterprise Explorer:** Shows a project tree for 'BoxOfficeProject' with sub-items like 'Deployment Descriptor', 'Java Resources', and 'Portlet Deployment Descriptor'. A yellow callout labeled **Explore** points to the project tree.
- Code Editor:** Displays a Java class file: `@Service (Banking.class)` `public class BankingImpl implements Banking {`. It includes annotations like `@Reference` and public methods `public ChequingAccount chequingAccount;` and `public SavingsAccount savingsAccount;`. A yellow callout labeled **Implement** points to the class definition.
- Deployable composites:** A panel showing a 'Bank' project under the URL 'http://temp'. A yellow callout labeled **Package** points to this panel.
- Wizards:** A panel for creating new components, showing options for 'Portal', 'Portal Project', and 'Portlet Project'. A yellow callout labeled **Create** points to this panel.
- Add and Remove Projects:** A dialog box for managing server projects, with a yellow callout labeled **Run** and **Debug** pointing to it.
- Service Component Architecture:** A panel for configuring validation rules, with a yellow callout labeled **Configure** pointing to it.
- Administration Console:** A web-based interface for managing the portal, showing sections like 'Portal User Interface' and 'Portlet Management'. A yellow callout labeled **Manage** points to the 'Manage Portlets' section.



WebSphere Portal Server 7 Support

WP 7 Server Support

Updated Wizard Steps

Ability to test connection with credentials

Updates to Server configuration editor to help manage deployment option local to Rational Application Developer

Portlet Settings

Publishing options

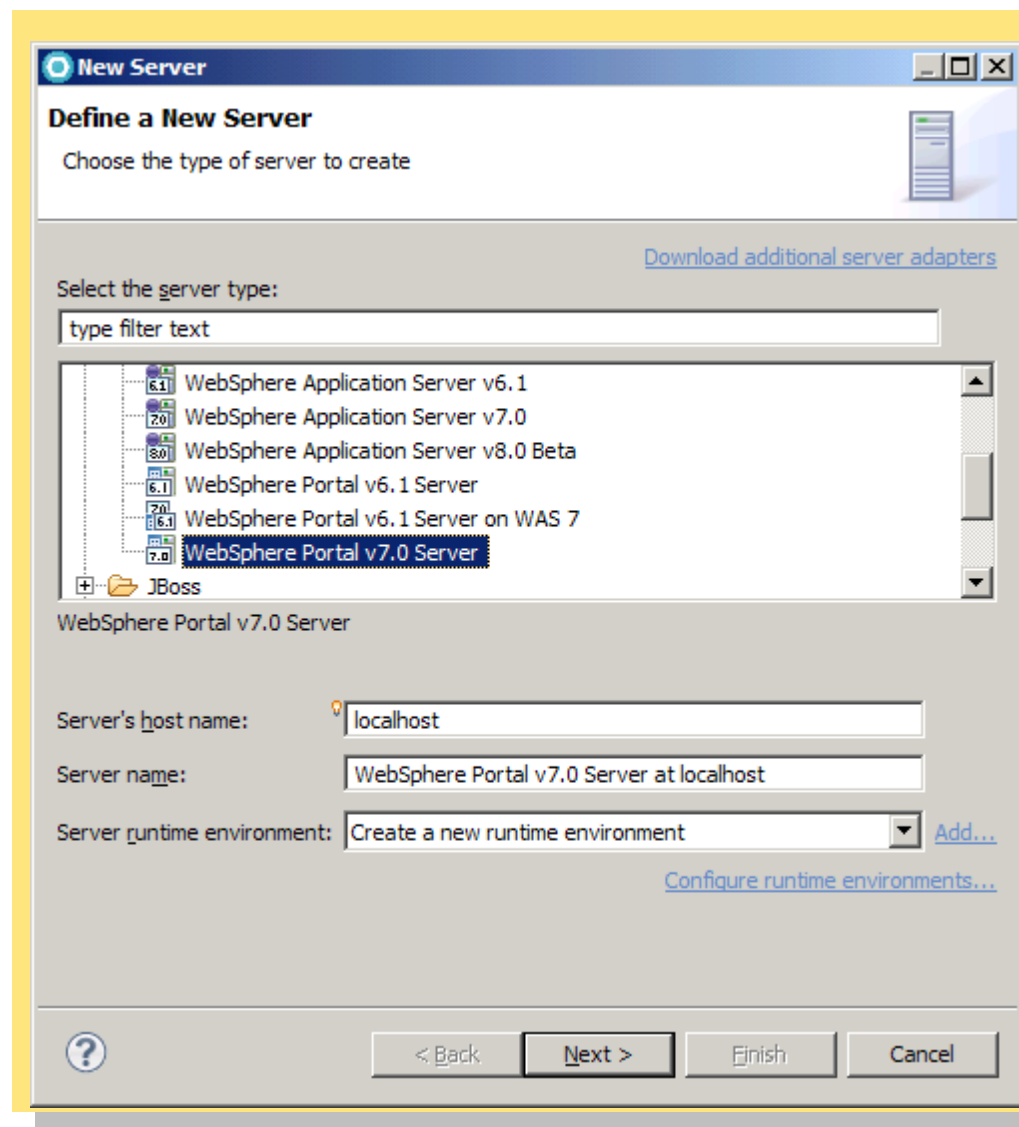
WP V7 Stubs Support

contain all jars necessary for compilation of a JSR286, JAX-WS, and other portal features portal/portlet project

Workspace migration from Rational Application Developer v6.1, v7 and v7.5.x to v8

Incremental publish saves deployment time by an average of 80%

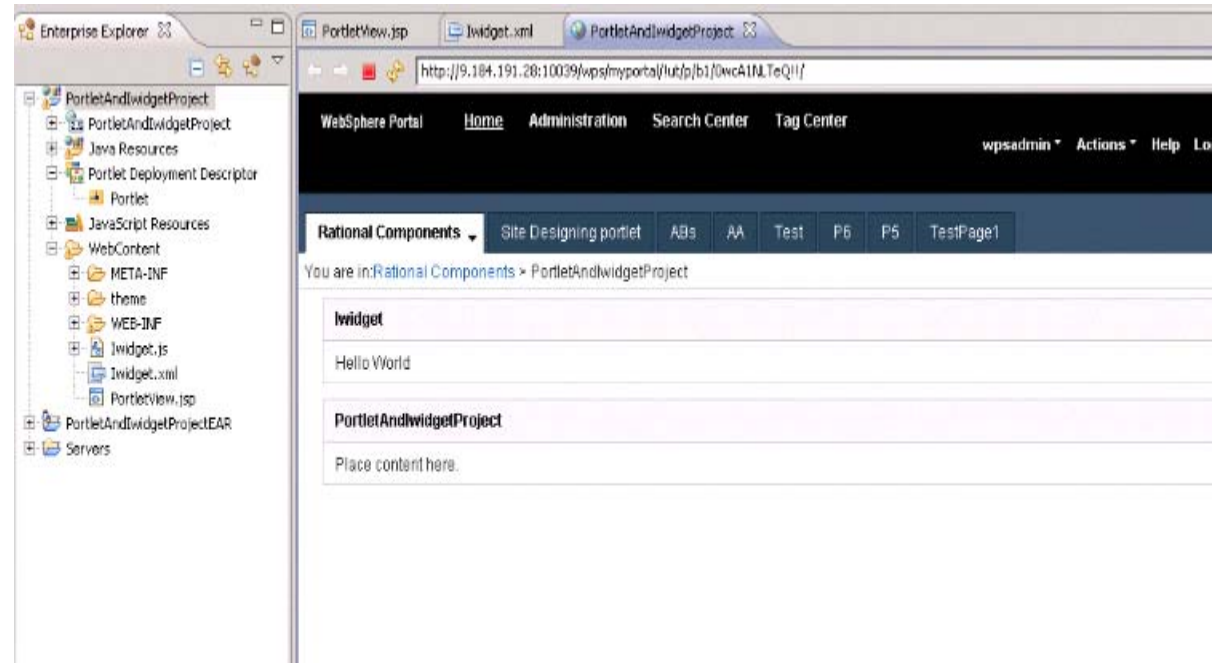
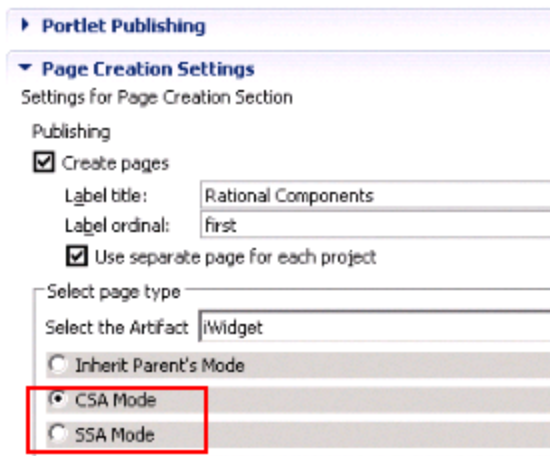
Integrated debugging, menu items for admin console, ability to launch WSADMIN, application client launcher



WebSphere Portal 7.0 and Client Side Aggregation 2.0 Support

RAD 8.0.1 supports WebSphere Portal 7.0*
7.0*

as a new target runtime
Full feature support including
CSA 2.0
Portlet and iWidgets can now
be placed on same portal
page



* RAD 8.0 supports WebSphere Portal Beta which was publically available at RAD 8.0 eGA



WebSphere Test Environment support

Publishing to WebSphere Portal

Support for exporting and publishing to WebSphere Portal

Support for hot deploy

Ability for WebSphere Portal to recognize a change to the archive file and automatically update the server

Server Tuning Options

Be aware of the different server options

Can also run the server on a different machine

The screenshot shows the 'WebSphere Portal Settings' configuration page. It is divided into several sections:

- Portal Settings:** Includes fields for Context root (/wps), Default home (/portal), Personalized home (/myportal), and Install location (C:/IBM/WebSphere/Portal7EGA/PortalServer). It also has fields for WebSphere Portal Administrator User ID (wpsadmin) and Password (*****), with an option to 'Enable automatic login'.
- Portlet Publishing:** Contains sections for Pre-Publishing (with a checked 'Remove previously run portlets' option), Publishing (with a checked 'Deploy portlet project' option), and Post-Publishing (with an unchecked 'Send user defined XML Access script' option). It includes a text area for 'Enter the script to run:'.
- Page Creation Settings:** Includes a checked 'Create pages' option, fields for Label title (Rational Components) and Label ordinal (first), a checked 'Use separate page for each project' option, and radio buttons for 'Inherit Parent's Mode', 'CSA Mode', and 'SSA Mode'.



WebSphere Application Server vNext support

WAS vNext Server Support

Updated Wizard Steps

Ability to test connection with credentials

Updates to Server configuration editor to help manage deployment option local to Rational Application Developer

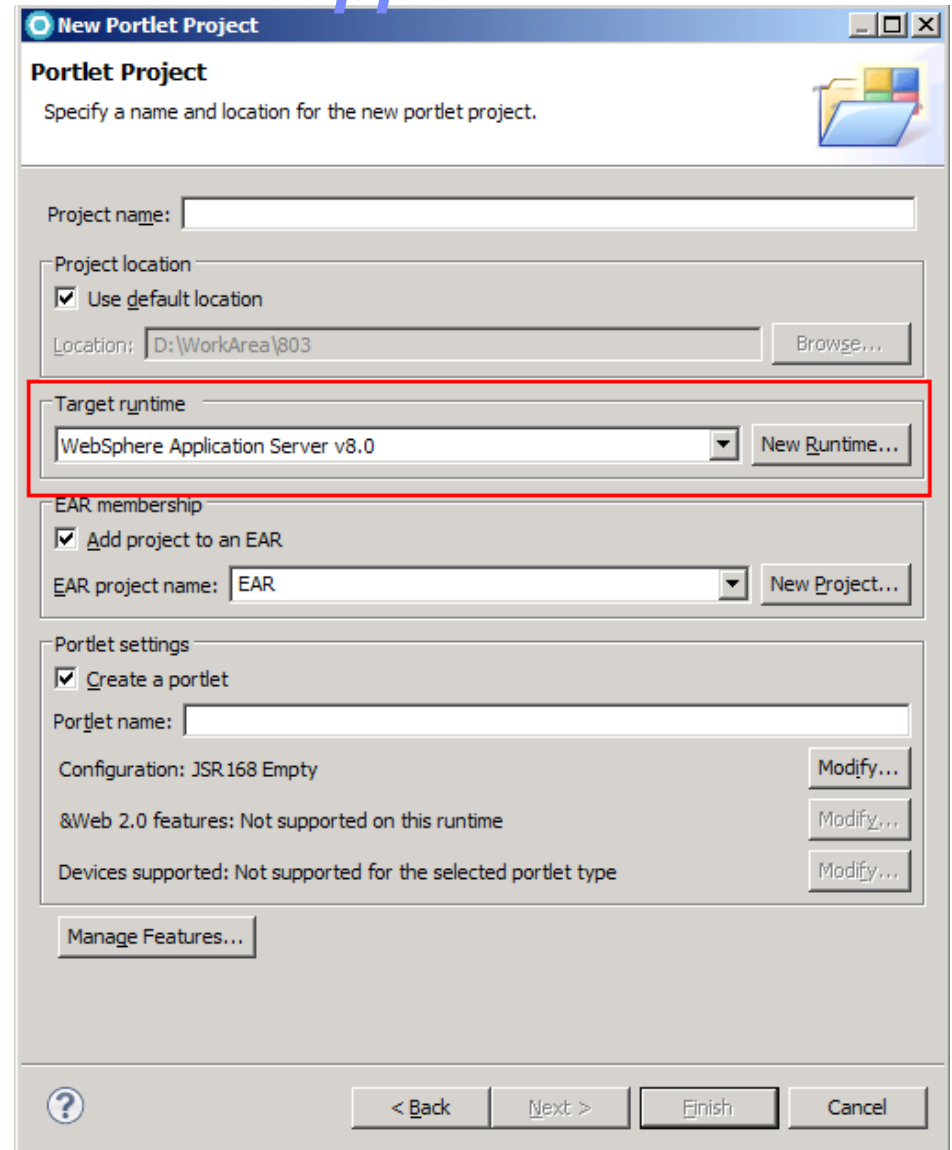
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Integrated debugging, menu items for admin console, ability launch WSADMIN, application client launcher



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Enhanced Performance Optimization for Development

ConfigEngine.bat enable-develop-mode-startup-performance

For development purpose

Reduces portal start up time

JVM is optimized for development

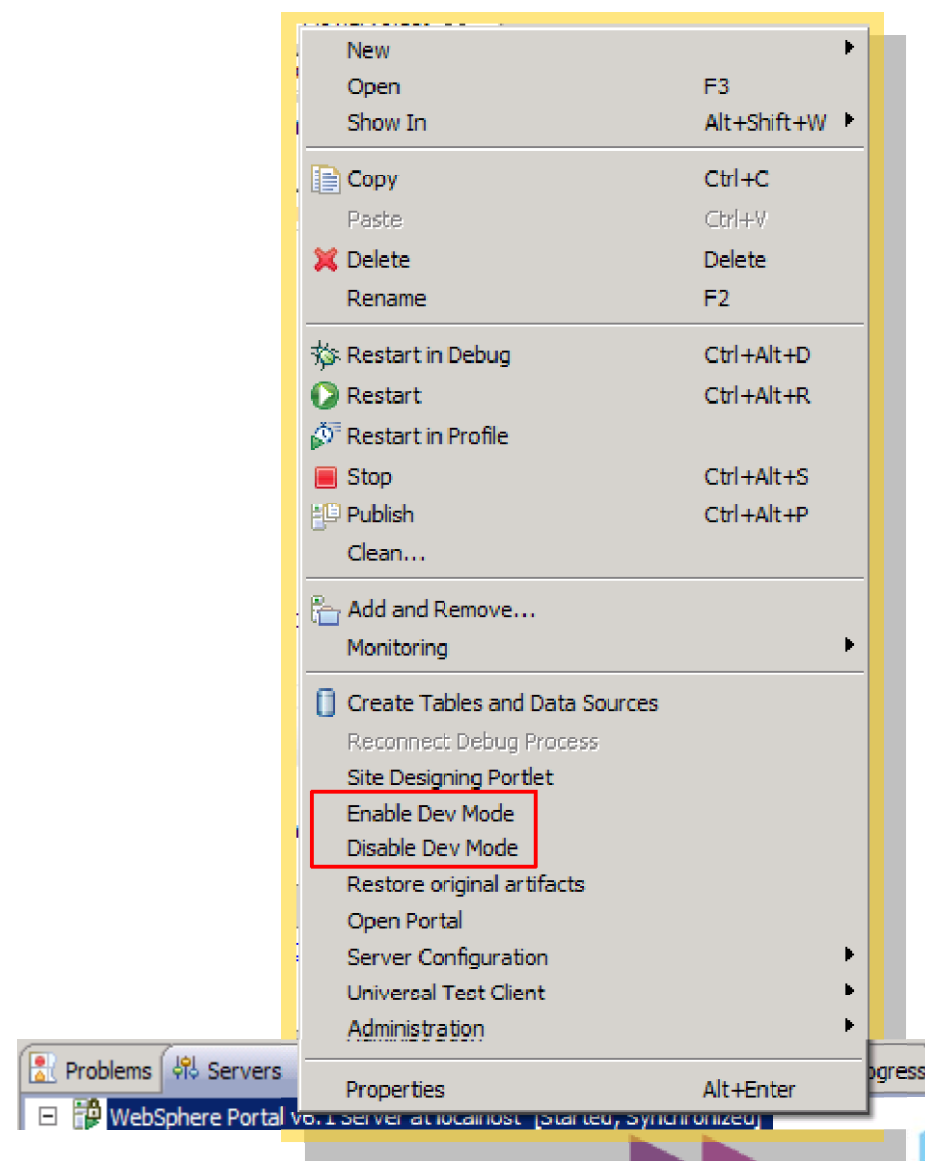
One click

Activation

Deactivation

No need to remember various portal config params

Less chance of human error



Cloud Computing Support

Reduced Cost, self service provisioning

On Demand Provisioning; accelerated development

Reduced Storage; on local infrastructure

Highly Automated; centrally managed

Ready to use; no need for installation

In built support of IBM Smart Cloud

Directly publish to a WebSphere

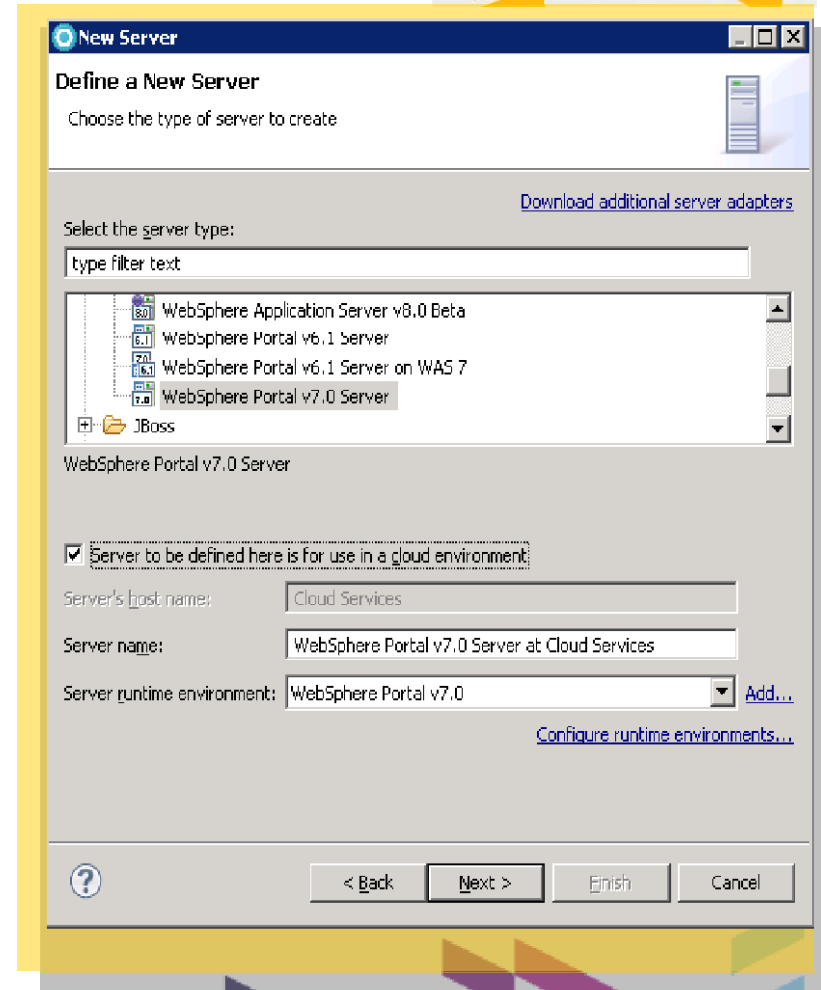
Portal instance hosted on cloud

IBM Smart Business

Development & Test



IBM offers choices to deploy workloads that matter to you for greater efficiency, productivity and control.

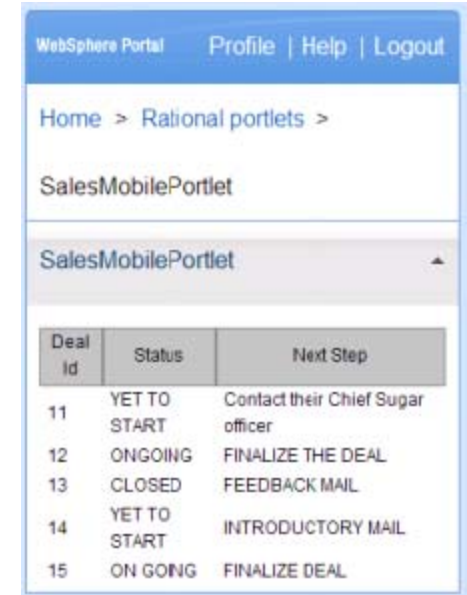
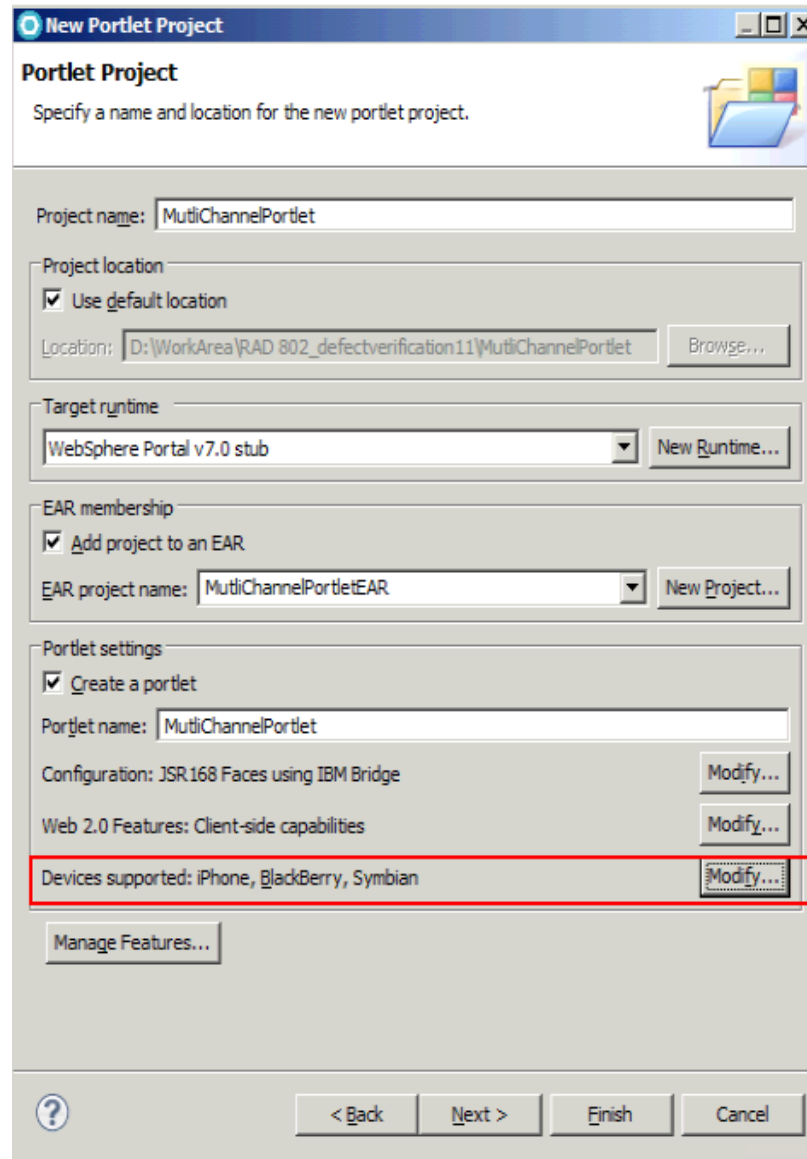


Multi-channel device development

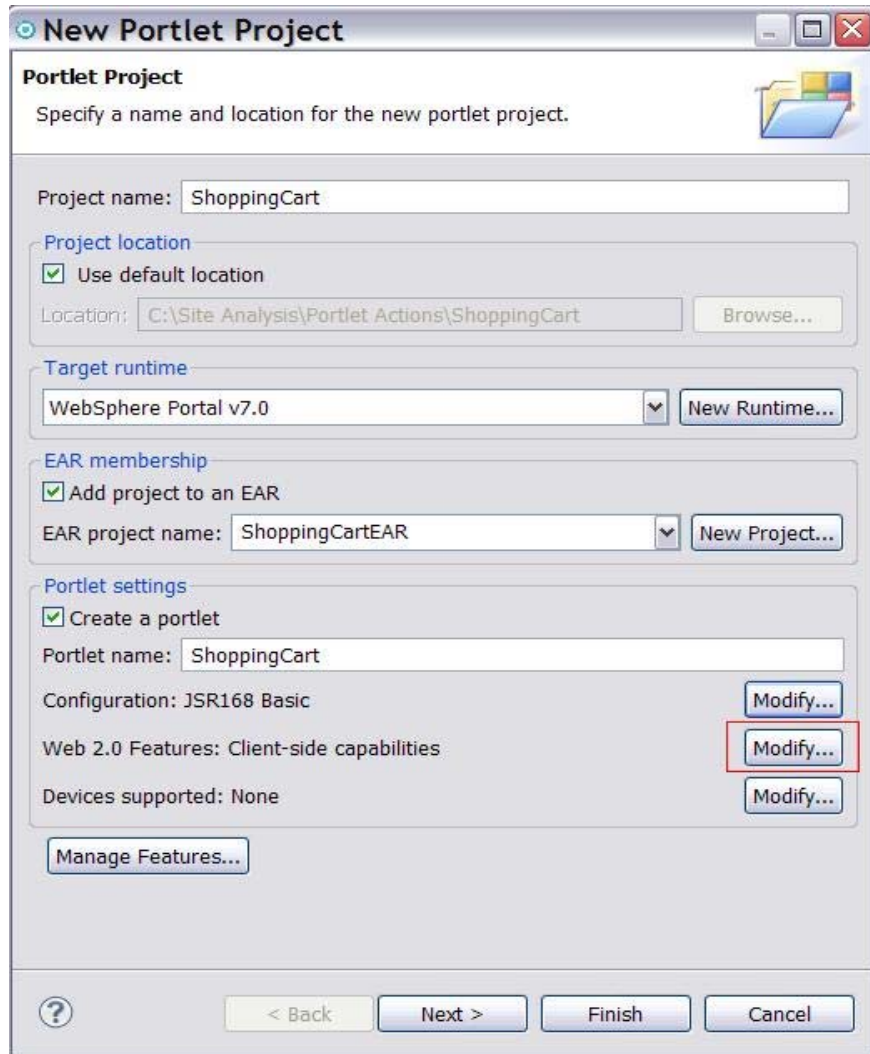
Enhanced portlet project creation wizard, that allows device support

Direct publishing on portal, that can be tested on smart phone device simulator as well

Developers can leverage RAD tools to create JEE based web apps, and target them for different devices

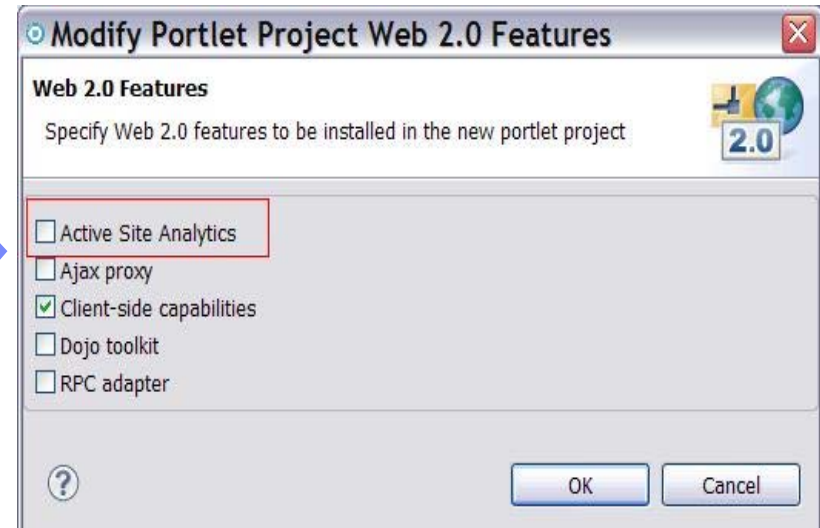


Active Site Analytics



Markup is generated for every asa enabled screen without explicitly specifying what the name of the tag and value of the tag is.

Select the Active site analytics checkbox to enable ASA support for this project



Active Site Analytics - modification to the resource bundle and portlet JSP

ASA Portlet Screen metadata is added to every auto generated portlet modes jsp if ASA is enabled for the project.

Bundle lookup code is auto generated to read the JSP title from the resource bundles depending on locale.

The jsp filenames are used as the default values for ASA Screen title tags.

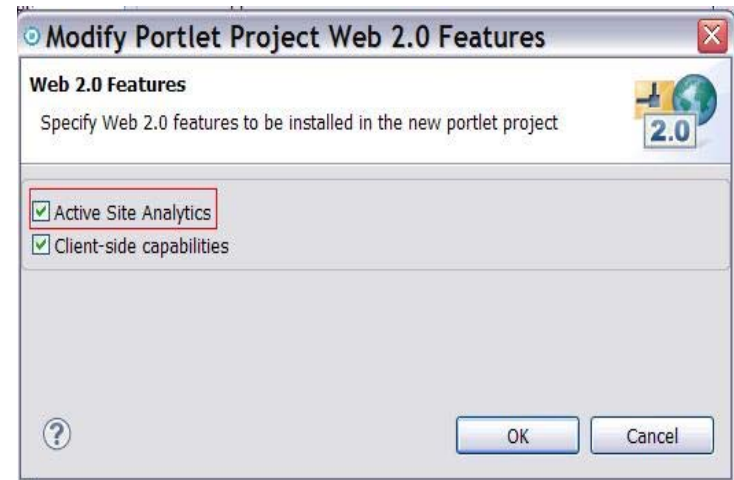
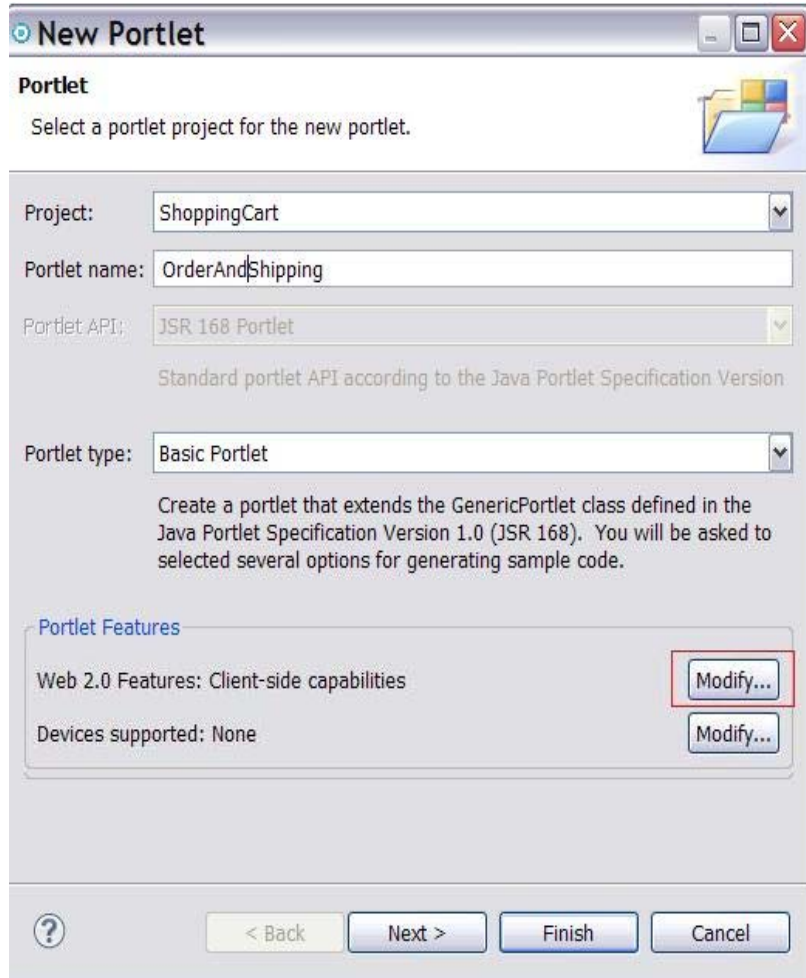
Unique ASA Screen ID `asa.portlet.screen.id` is auto-generated by tooling for every auto generated portlet modes jsp.

```
# Default Resource Bundle
#
# filename: ShoppingCartPortletResource.properties
# Portlet Info resource bundle example
javax.portlet.title=ShoppingCart
javax.portlet.short-title=ShoppingCart
javax.portlet.keywords=ShoppingCart

# ASA : Title for the JSP file to be rendered on the view mode
asa.portlet.screen.ShoppingCartPortletView.title=ShoppingCartPortletView
# ASA : Title for the JSP file to be rendered on the edit mode
asa.portlet.screen.ShoppingCartPortletEdit.title=ShoppingCartPortletEdit
# ASA: Title for the JSP file to be rendered on the help mode
asa.portlet.screen.ShoppingCartPortletHelp.title=ShoppingCartPortletHelp
# ASA: Title for the JSP file to be rendered on the configure mode
asa.portlet.screen.ShoppingCartPortletConfig.title=ShoppingCartPortletConfig
# ASA: Title for the JSP file to be rendered on the edit defaults mode
asa.portlet.screen.ShoppingCartPortletEditDefaults.title = ShoppingCartPortletEditDefaults
```

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Active Site Analytics – Instrument ASA tags at portlet level

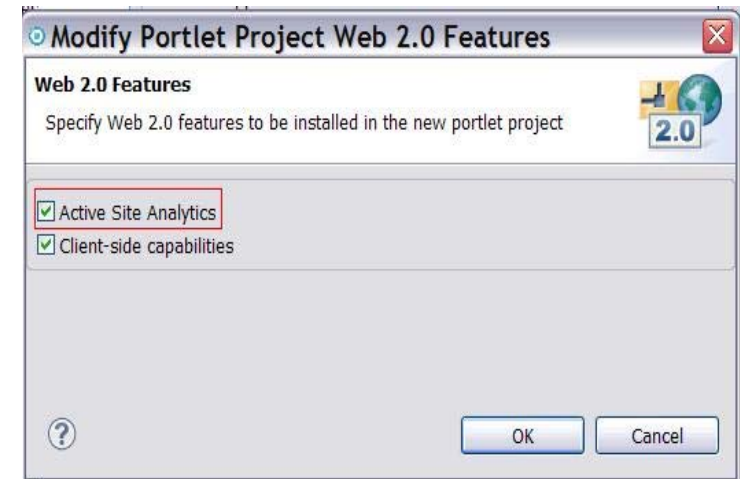
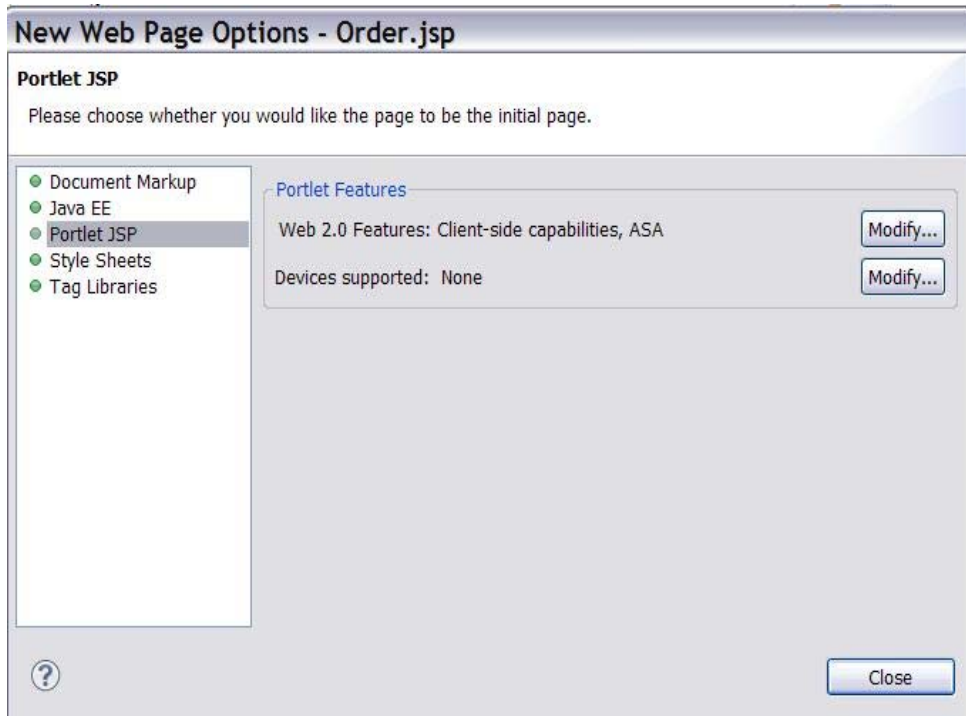


Markup is generated for every ASA enabled screen without explicitly specifying what the name of the tag and value of the tag is.

Select the Active site analytics checkbox to enable ASA support for this portlet.

Active Site Analytics – Instrument ASA tags at portlet screen level

Select the Active site analytics checkbox to enable ASA support for this portlet.jsp.



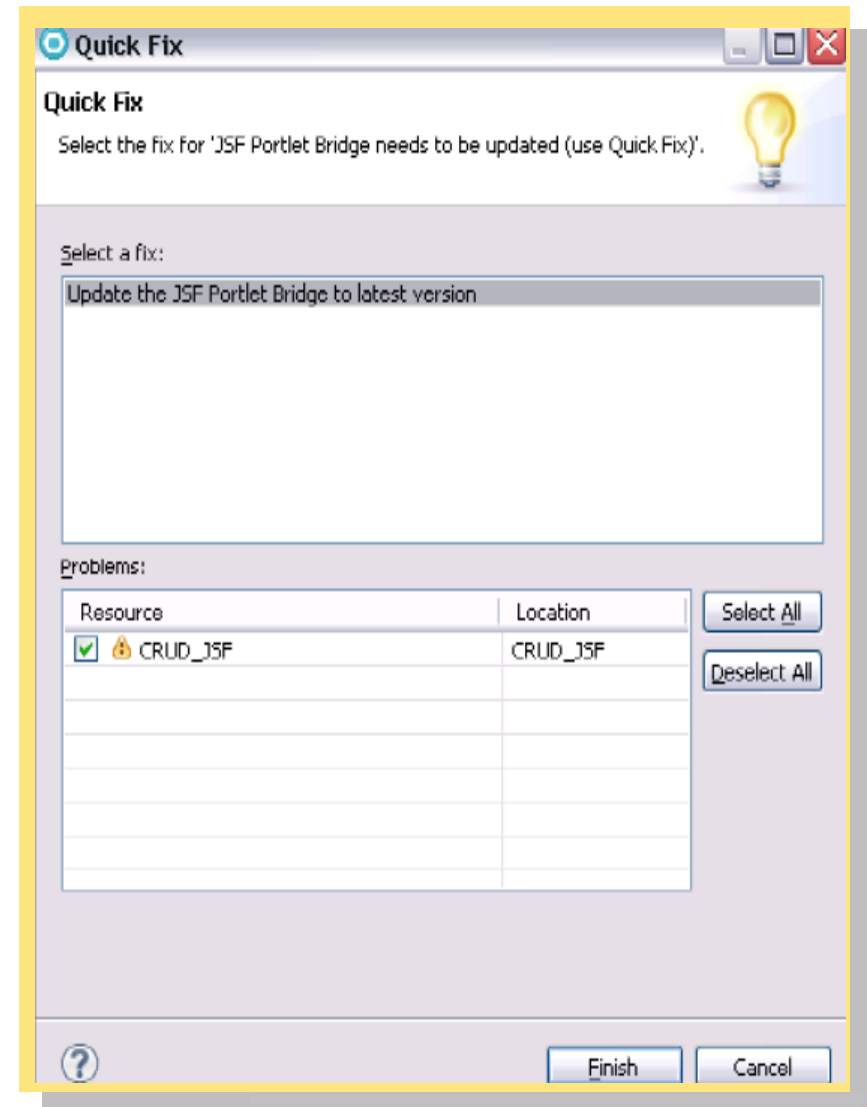
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JSF Portlet Bridge improvements

The IBM JSF portlet bridge supports JSR 168 Faces Portlet applications based on JSF 1.2

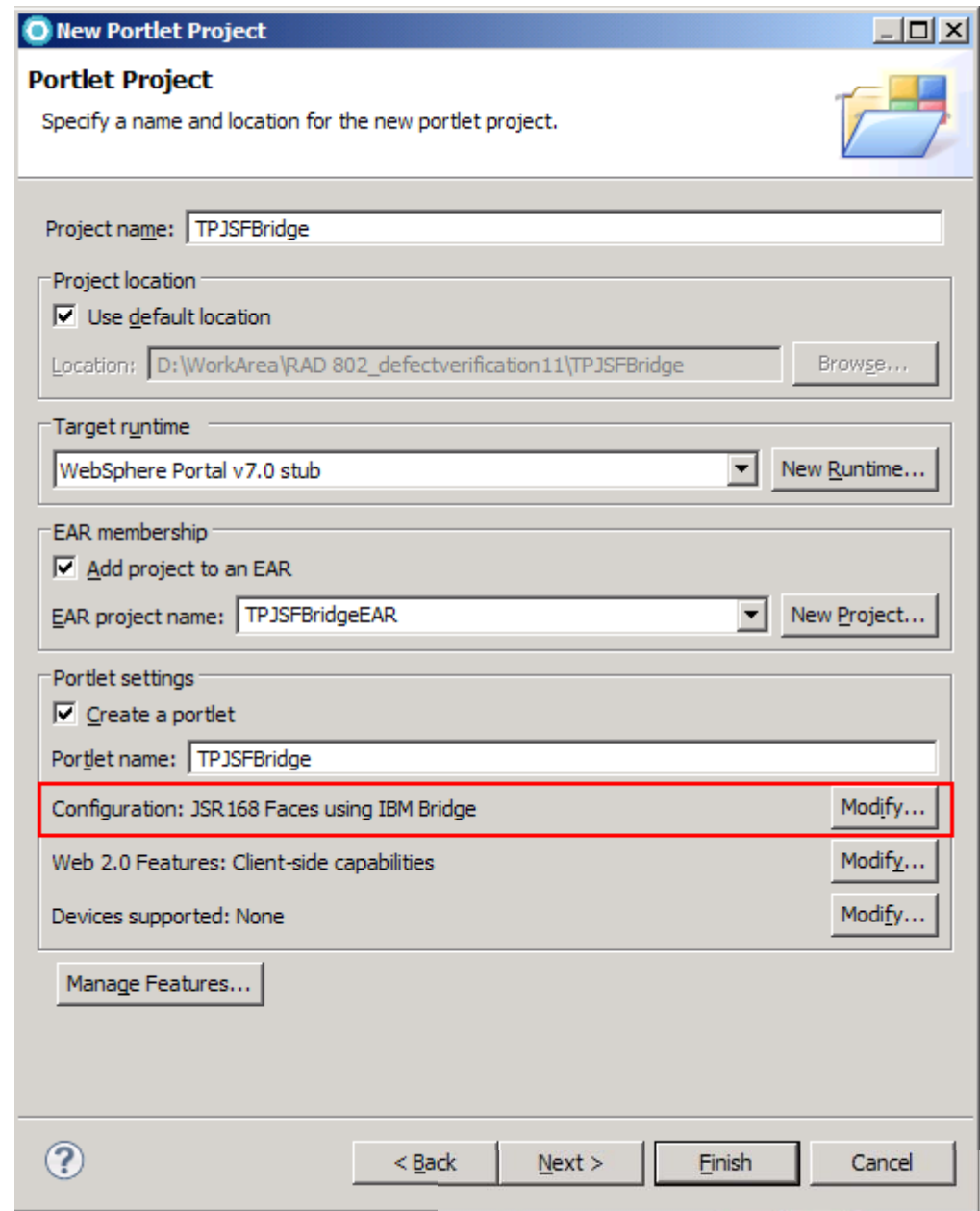
Automatic update of the JSF portlet bridge when a JSF Portlet Project is migrated from IBM Rational Application Developer V7.0.0.x to RAD V8

In case of migration of JSF Portlet projects from IBM Rational Application Developer V7.5.x to RAD V8 quick fix option to update the JSF portlet bridge.



JSF 1.2 Support

IBM JSF Portlet Bridge is enhanced for JSF 1.2 specification
 RAD Portal Tools allow integration of third party JSF bridges*

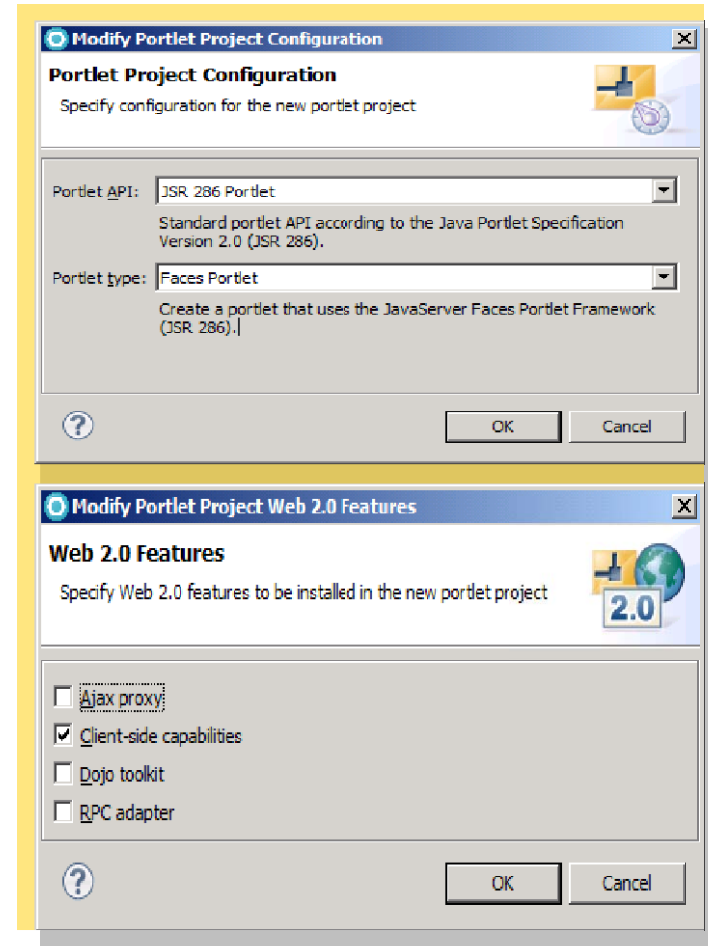
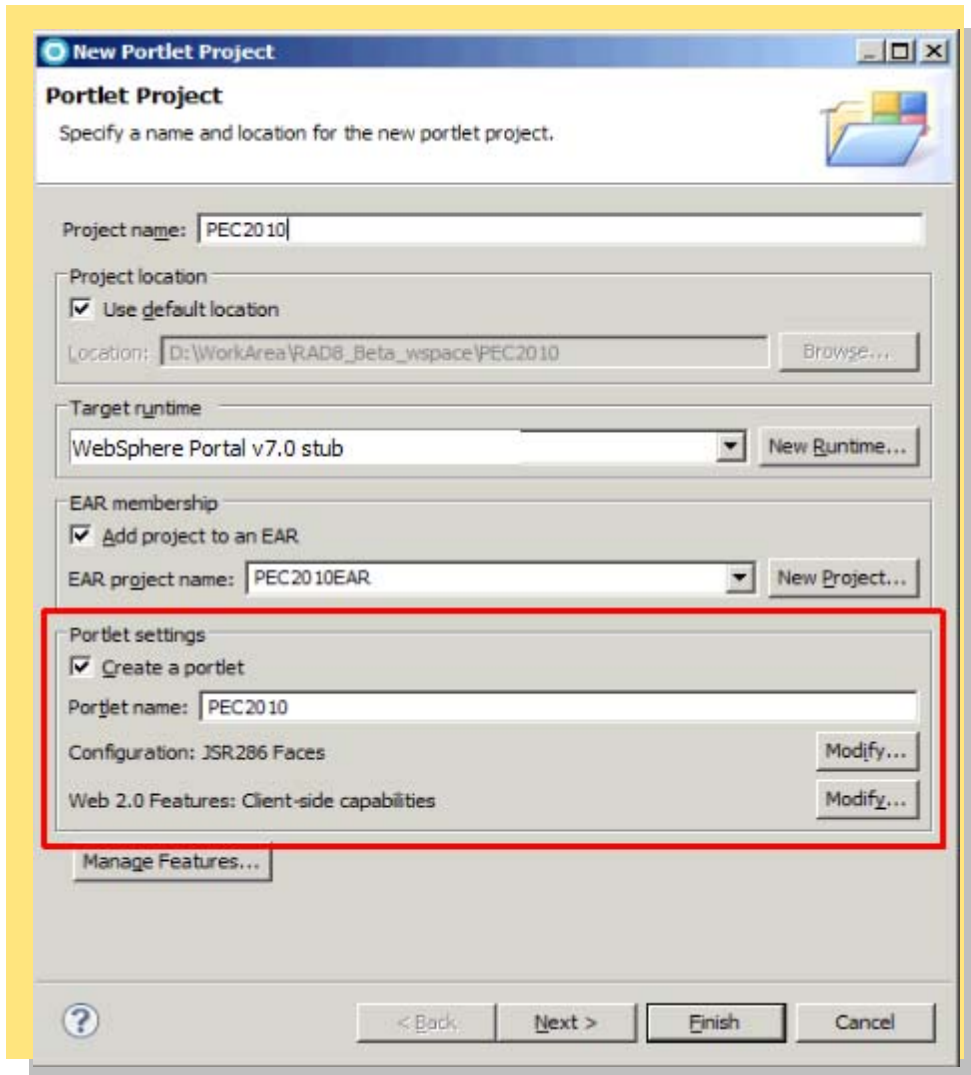


* third party bridge is considered as application code



Improved Portlet project Creation Wizard

Hassle free feature selection



Site Designing Portlet Tool – Desktop application like experience

Light Weight

Desktop like compelling usage

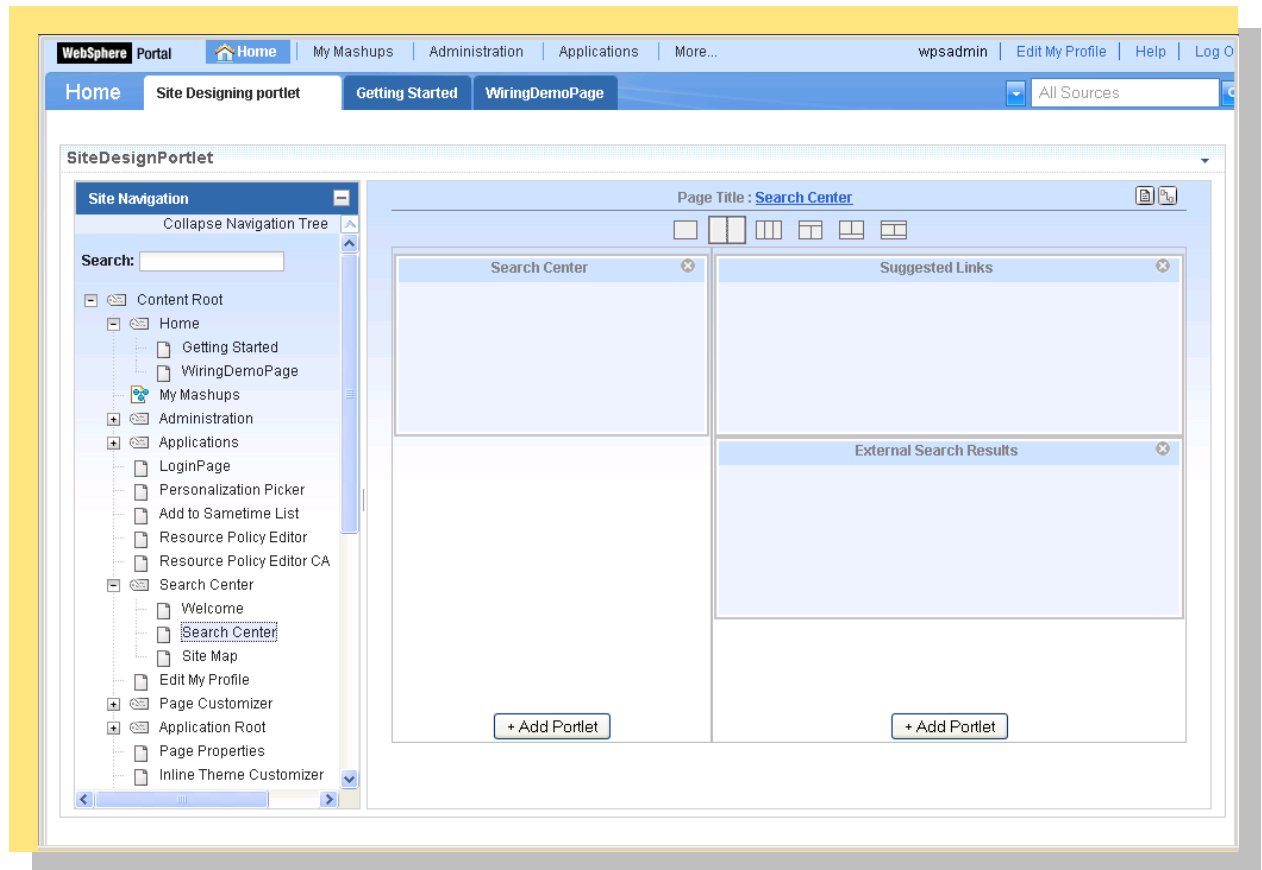
Web2.0 Ajaxified interface

Universal Catalog

Portlet Design View

Page Navigation

Site Designing



JPA Support for Portlet Projects

Wizards to create

- Entities from DB
- JPA Manager Bean
- Query Method

Page Data View

- Tree structure to represent the Entity
- Auto generation of UI elements

Create and automatically initialize mappings:

- Top-down: Create new database tables from existing entity beans.
- Bottom-up: Create new entity beans from existing database tables.
- Meet-in-the-middle: Define mappings between existing database tables and entity beans.

The image shows three screenshots from an IDE demonstrating JPA support for portlet projects:

- Generate Entities Wizard:** A dialog titled "Generate Entities from Tables" with fields for "Source folder" (E:\JBCounterSampl) and "Package" (.ibm.test). A table lists database tables and their corresponding entity names. The "EMPLOYEE" table is selected. A yellow oval highlights the "Generate Entities" button.
- JPA Manager Bean Wizard:** A dialog titled "JPA Manager Bean Wizard" showing a tree structure of entities (Department, Employee) and tasks to modify their properties. A yellow oval highlights the "Create Manager Beans" button.
- Edit Query Method Dialog:** A dialog titled "Edit Query Method" for the "getDepartment" query. It shows a table of result attributes and types. A yellow oval highlights the "Filter Results" tab.
- Page Data View:** A view titled "Page Data" showing a tree structure of page data elements. Under "JPA Manager Beans", there is a list of methods like "createEmployee", "deleteEmployee", etc. A yellow oval highlights the "Browse Entity" button.

End to End iWidget development

Create an iWidget with few clicks

Option to create

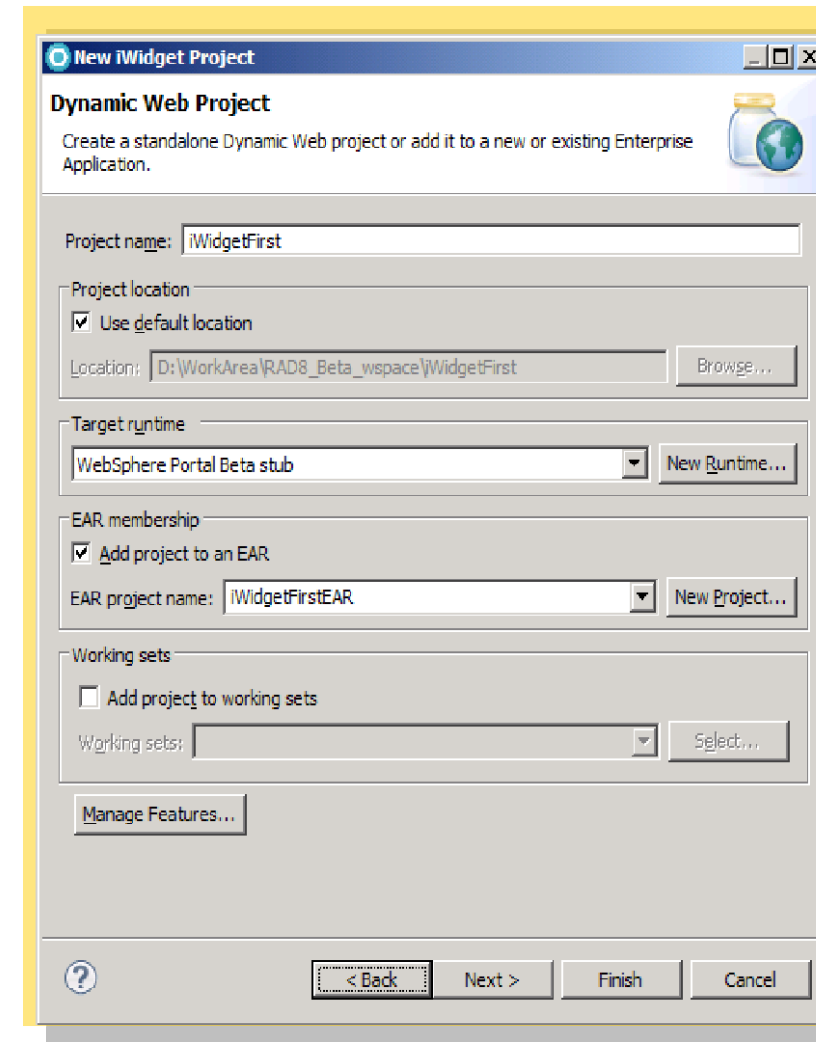
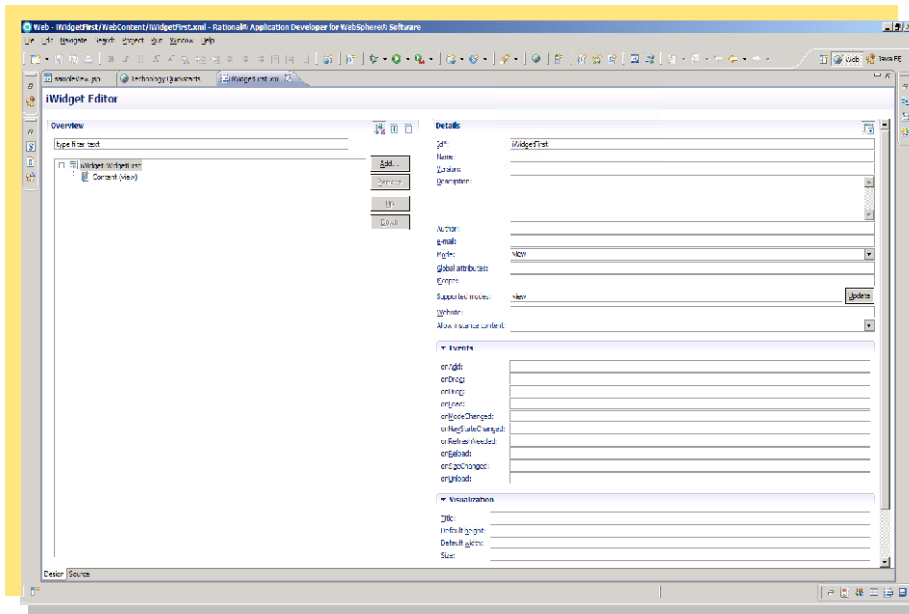
- Event emitting iWidget

- Event consuming iWidget

WYSIWYG editor for iWidget XML that includes validation

Deployment tools

Direct placement on server catalog



Easily create powerful ReST Services from server side code using RPC

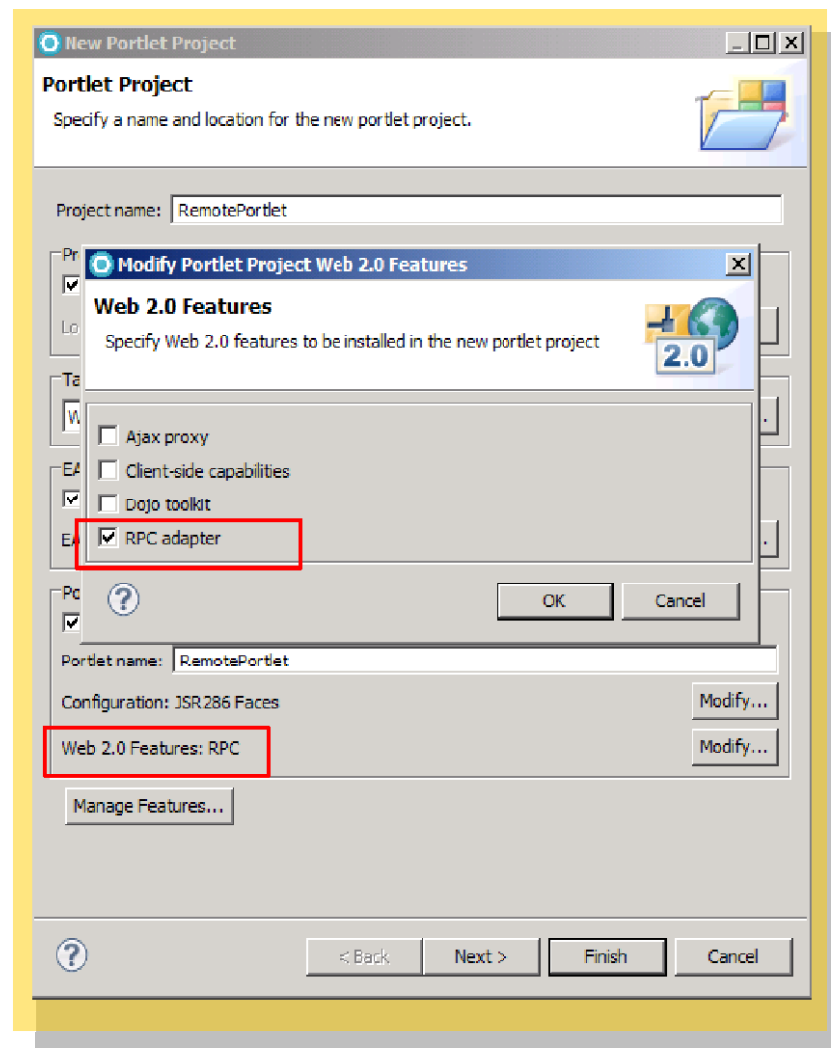
A handy way of exposing any server side code as ReST service that enables Web20 portal application creation

Single click invocation of wizards that takes away all your coding worries - no coding required, no testing of generated code required

Exposes your POJOs, session beans methods to be directly callable from JavaScript or client side code

Very intuitive and simple access to direct URLs of methods exposed

URLs generated as per portlet specifications for applications targeting Portal

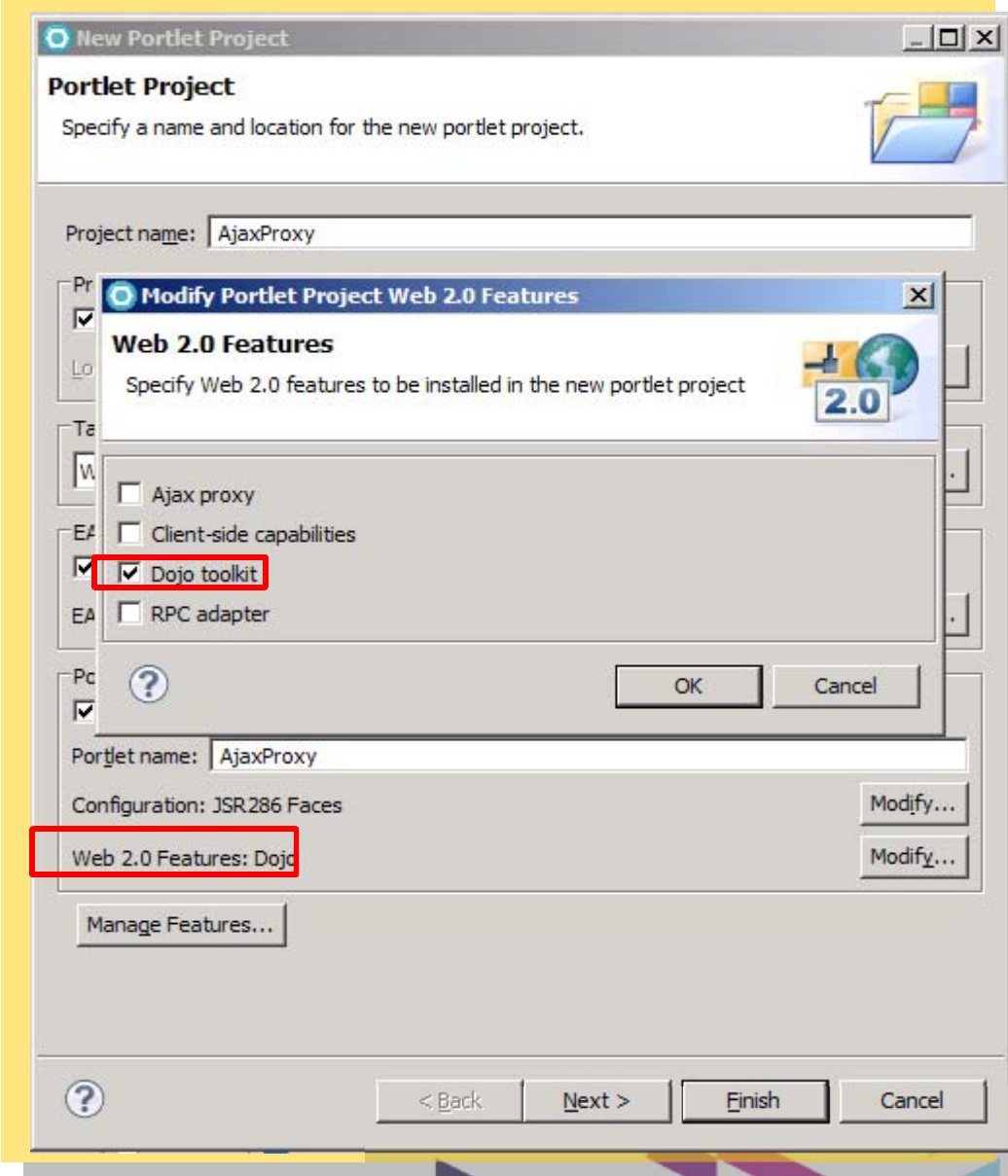


Create Exceptional Web Experience using Dojo tools

Rational Application Developer allows to configure and use various versions of Dojo library.

Solves challenges for Dojo development on Portal

Incorporates best practices for Dojo and JavaScript



Dojo Widgets in RAD Palette: Easily create Exceptional Web Experience

Dojo Application Widgets

- CheckedMenuItem
- ColorPalette
- Declaration
- Dialog
- Editor
- InlineEditBox
- Menu
- MenuBar
- MenuBarItem
- MenuItem
- MenuSeparator
- PopupMenuBarItem
- PopupMenuItem
- ProgressBar
- TitlePane
- ToolBar
- ToolBarSeparator
- Tooltip
- TooltipDialog
- Tree

Dojo Data Widgets

Dojo Form Widgets

Dojo IBM Widgets

Dojo Layout Widgets

Dojo Application Widgets

Dojo Data Widgets

Dojo Form Widgets

- Button
- CheckBox
- ComboBox
- ComboButton
- CurrencyTextBox
- DateTextBox
- DropDownButton
- FilteringSelect
- Form
- HorizontalRule
- HorizontalRuleLabels
- HorizontalSlider
- MappedTextBox
- MultiSelect
- NumberSpinner
- NumberTextBox
- RadioButton
- RangeBoundTextBox

Dojo IBM Widgets

Dojo Layout Widgets

Dojo Application Widgets

Dojo Data Widgets

Dojo Form Widgets

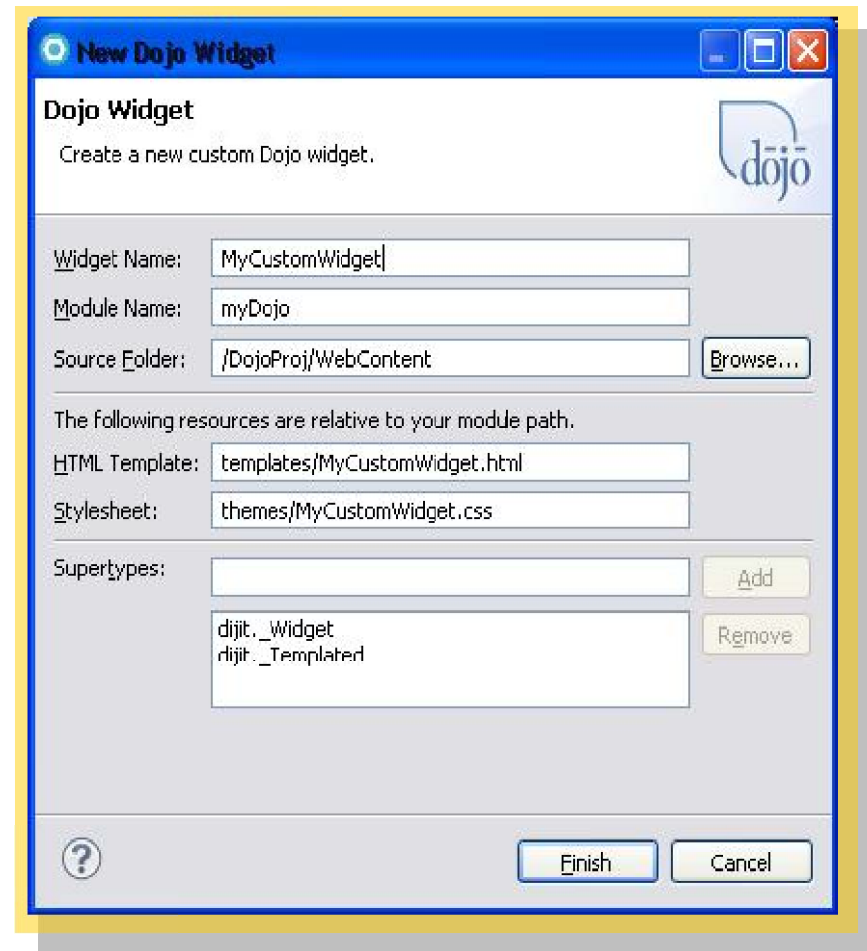
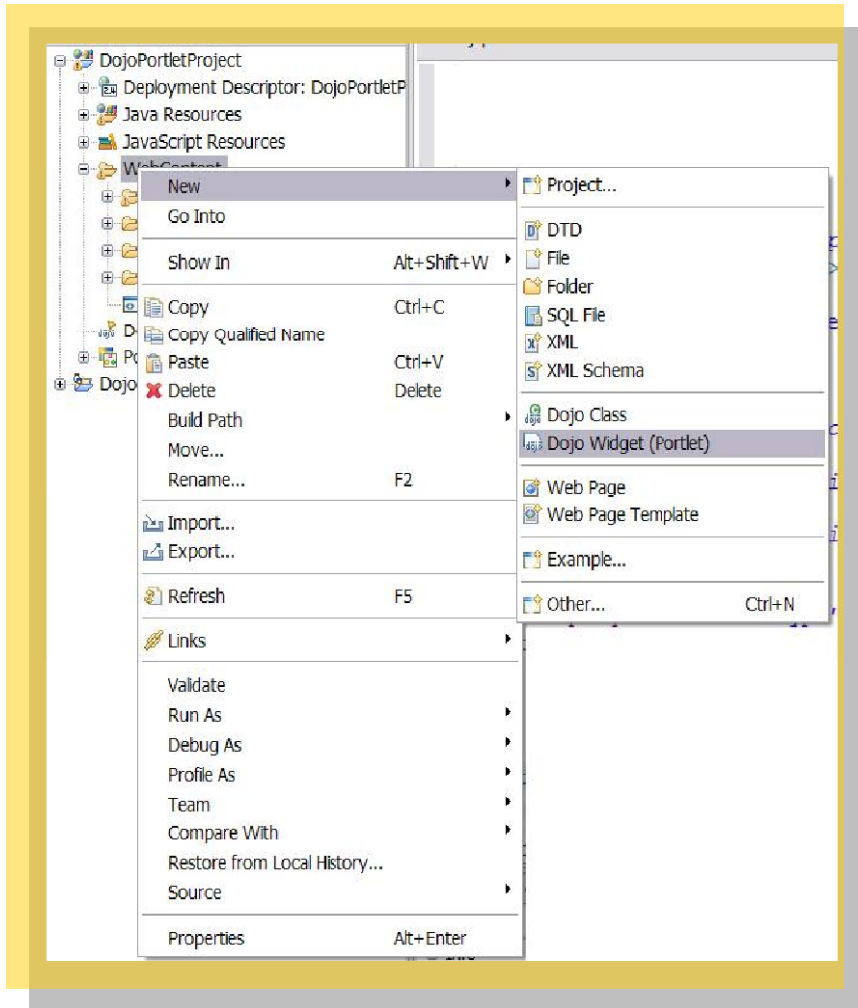
Dojo IBM Widgets

Dojo Layout Widgets

- AccordionContainer
- AccordionPane
- BorderContainer
- ContentPane
- LayoutContainer
- LinkPane
- SplitContainer
- StackContainer
- StackController
- TabContainer
- TabController



Wizards to help create custom dojo widgets



Exceptional User Interfaces with Dojo Widgets: Delivered!

Easily Drag and Drop from palette any Widget to create exceptional web experiences

Update your details

Name: Some Name

About you: This is some user info. He is very much interested in creating the portlets using dojo.

Email id: a@b **The email address is not valid**

Sex: M

Date of birth: 8/10/2009

Time of notification: 7:15 PM

Max Notifications: 10

Interested topics: Dojo Portlet

Most liked sport: Football Golf

Max purchase: 100.00

Zip Code: 12

Update details

Compose message:

Subject: The Rich text Editor

Message:

This is the text message created in Rich Text Editor. Rich text editor supports many functionalities like

- **Character Formatting:** bold, italic, underline, strikethrough, subscript, superscript, removeFormat, forecolor, **highlightcolor**
- **Paragraph Formatting:** indent, outdent, justifyCenter, justifyFull, justifyLeft, justifyRight, delete, selectall
- **Inserting Objects:** insertOrderedList, insertUnorderedList, createlink (use LinkDialog plugin), insertImage
- **Misc:** undo, redo, cut, copy, paste
- **Adding extra plugins:** like **fontChoice**, ColorPalette, [WebLink-IBM](#)

Submit Cancel

Online Store > Items Catalogue

Books CDs Gadgets

English Songs

- Classical
- Rock
 - Rock1
 - Rock2
 - Rock3
- Blues

Latin Songs +

French Songs +

Music Store > Artists > Bryan Adams :

Album	Album Name	Year	Producer	Job
	Bryan Adams	March, 1981	Bryan Adams, Jim Vallance	Guitar, Piano, Vocals
	You Want It, You Got It	April, 1982	Bryan Adams, Bob Clearmountain	Guitar, Piano, Vocals
	Cuts Like A Knife	March, 1983	Bryan Adams, Bob Clearmountain	Guitar, Piano, Vocals
	Rock On	February, 1985	Bryan Adams, Bob Clearmountain	Guitar, Percussion, Piano, Harp, Vocals

Album Title : Cuts Like A Knife

Songs Details :

1. The Only One
2. Take Me Back
3. This Time
4. Straight From The Heart
5. Cuts Like A Knife
6. I'm Ready
7. What's It Gonna Be
8. Don't Leave Me Lonely
9. Let Him Know
10. The Best Was Yet To Come

ajax application application-server blue cluster cognos db2 dojo domino ibm lotus mashup modeler one-ui portlet quicker rational rational-rose rest sametime security soa telelogic tools unified-process virtual webServices websphere

Advance Dojo Features: Exclusively in RAD Portal Toolkit V8.0

Travel Plan Overview

Select a travel plan to view its details in the subscriber portlets

Date	Place From	Place to	Time
April 22, 2009	Delhi	New York	8:05 AM
April 24, 2009	New York	Moscow	6:45 PM
May 12, 2009	Sao Paulo	Delhi	2:15 PM
June 17, 2009	Beijing	London	12:26 PM
August 19, 2009	Paris	Delhi	7:15 AM

Travel Flight Details

This portlet displays the flight details for a travel schedule.

Flight	Departure	Arrival	Duration	Stops
 KINGFISHER	8:05 AM	9:25 AM	35 hr 50 min	2

Travel Boarding Details

This portlet displays the boarding details of the destination

Hotel	Address	Contact No
Times square	226 West 52nd Street New York	(+1)212/315-0100

Travel Weather Forecast

Delhi

Prev-day April 22, 2009 Next-day

25°C 26°C 22°C

New York

Prev-day April 22, 2009 Next-day

23°C 28°C 25°C

Travel Clock

Delhi Time

Source Departure Destination Arrival

New York Time

Source Departure Destination Arrival

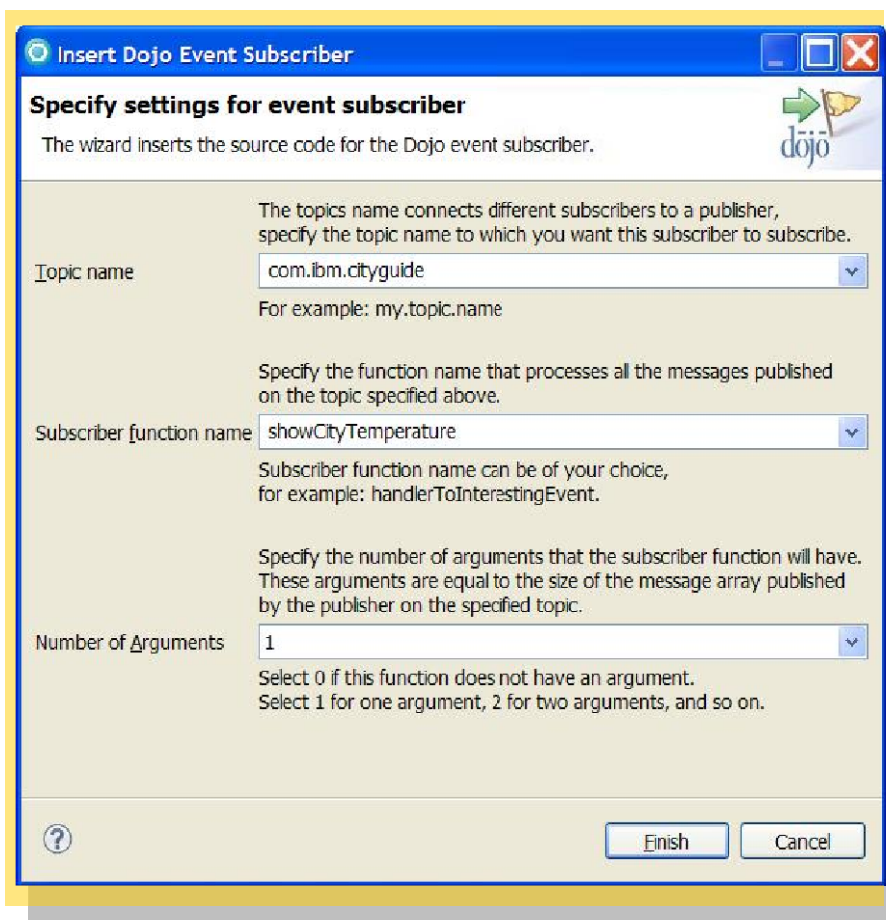
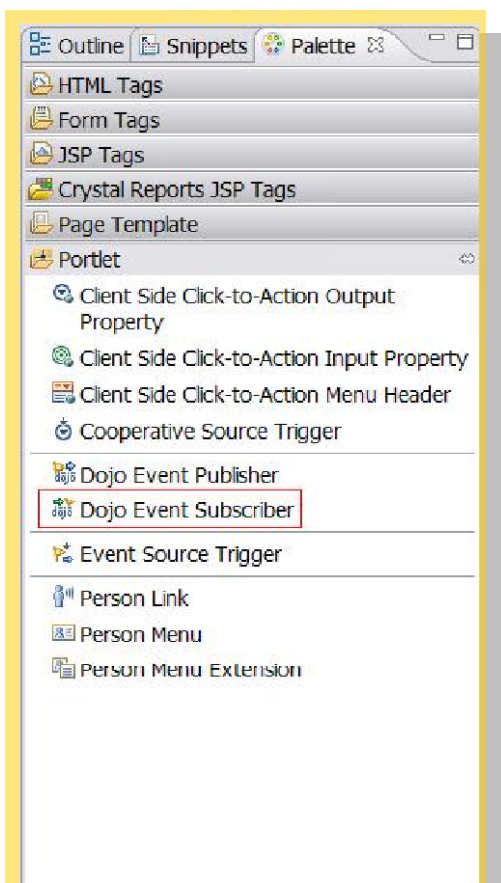
 

Client-side Inter Portlet Communication (IPC) without page refresh to create exceptional web experiences



Client side IPC using Dojo

Wizard to create Event Subscriber



Client side IPC using Dojo

Node Decorators to demark

Topic

Event

Auto-code generation

Connections are created for

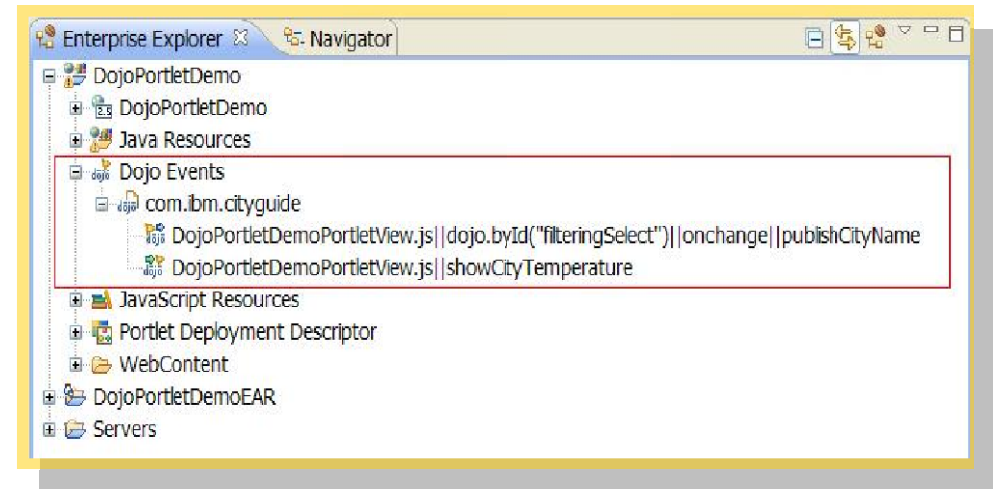
publishers

subscribers

Placeholder JS functions generated for

publishers

subscribers



Agenda

Exceptional Web Experience Overview

Rational Application Developer Overview

Rational Application Developer Portal Tool Kit Overview

Demonstration of Rational Application Developer Portal Tool Kit

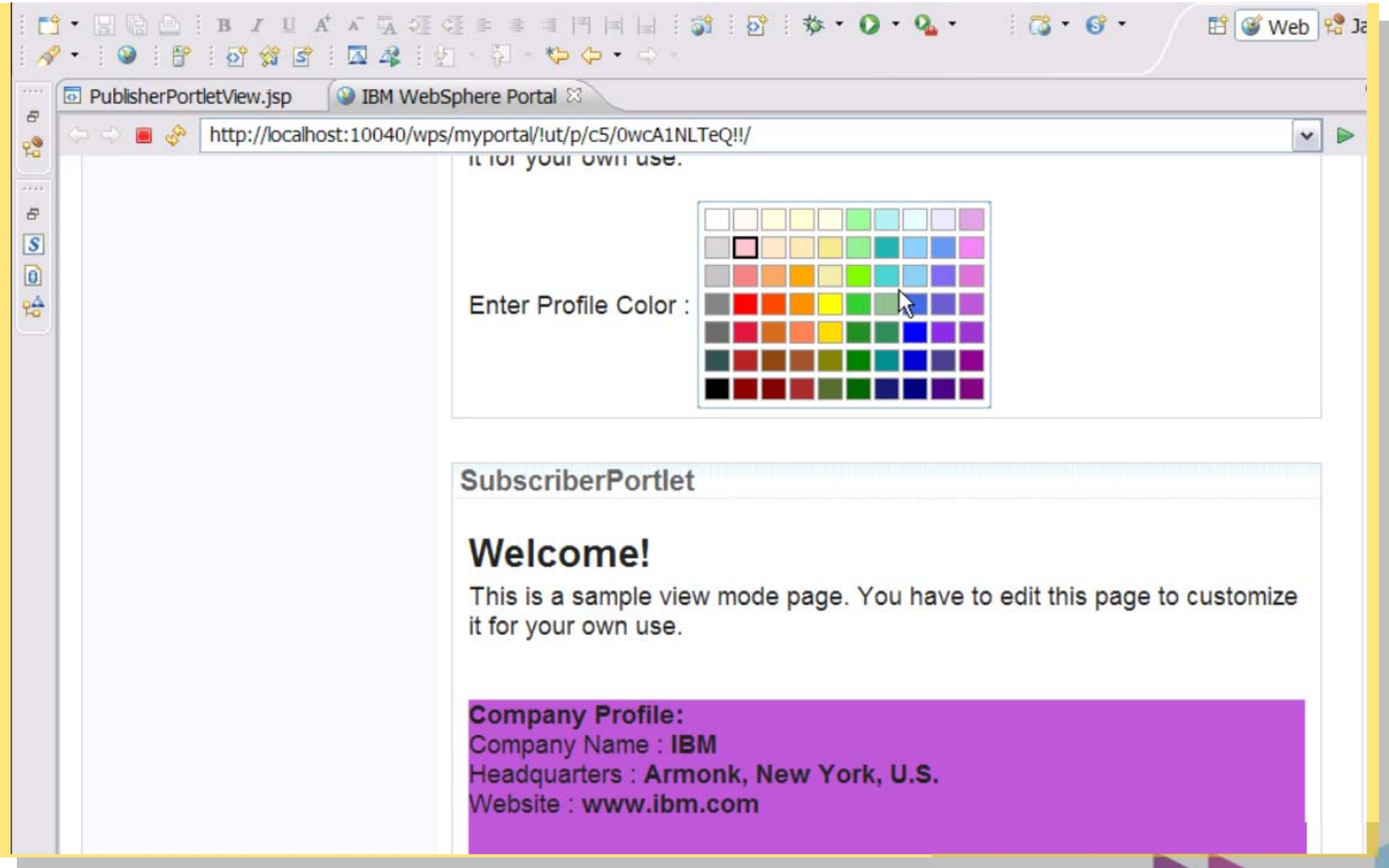
Question and Answer Session



www.ibm/software/rational



Client side IPC using Dojo – Application Demo

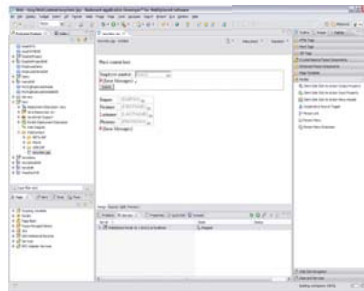


Easily create cohesive business applications



HTTP request/response

Web Services exposed by MS SharePoint

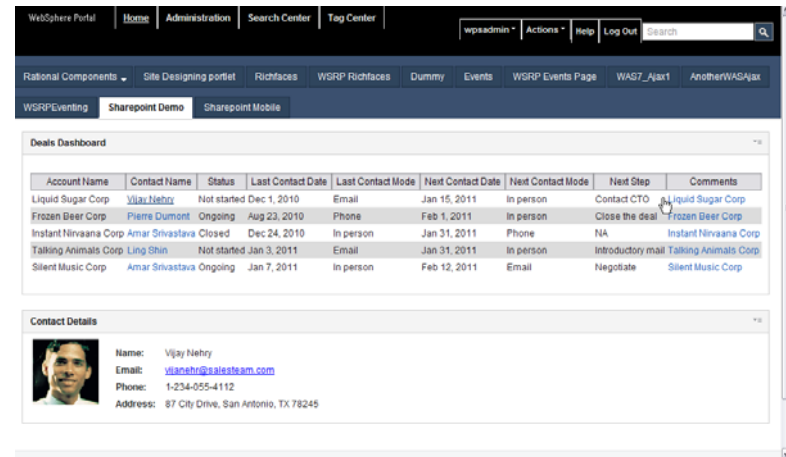


Rational software



SDO or JPA beans to access data from RDBMS

HTTP request/response



Additional IBM Rational Application Developer Information and Resources

Rational Application Developer Portal Toolkit Wiki Page:

<http://www.ibm.com/developerworks/wikis/display/rad/Portal+tools>

Rational Application Developer Portal Toolkit Developer's Forum:

<http://www.ibm.com/developerworks/forums/forum.jspa?forumID=430&start=0>

Rational Application Developer on developerWorks:

<http://www-128.ibm.com/developerworks/rational/products/rad/>

Rational Application Developer Release Notes Quick Links:

<http://w3-103.ibm.com/software/xl/portal/viewcontent?type=doc&srcID=R9&docID=Q037376H41907N67>

Rational Licensing Home Page:

<http://w3-103.ibm.com/software/xl/portal/viewcontent?type=doc&srcID=R9&docID=R107288S44149G18>

Rational Application Developer Beta Home Page:

<https://www14.software.ibm.com/iwm/web/cc/earlyprograms/rational/radob/index.shtml>

Rational Application Developer Beta Release Notes:

http://publib.boulder.ibm.com/infocenter/radhelp/v8/index.jsp?topic=/com.ibm.rad.install.doc/topics/rad_releasenotes.html

Rational Application Developer Beta What's New:

<http://www.ibm.com/developerworks/wikis/display/rad/Rational+Application+Developer+Version+8.0+Open+Beta>

Rational Application Developer Beta Infocenter:

<http://publib.boulder.ibm.com/infocenter/radhelp/v8/index.jsp>



Additional IBM WebSphere Portal Information and Resources

WebSphere Portal – IBM Site

<http://www-3.ibm.com/software/genservers/portal/>

WebSphere Portal Business Solutions Catalog

<http://catalog.lotus.com/wps/portal/portal>

WebSphere Portal Developer's Zone

<http://www-106.ibm.com/developerworks/websphere/zones/portal/>

Product Documentation and WebSphere Portal Wiki

<http://www-3.ibm.com/software/genservers/portal/library/>

<http://www-10.lotus.com/idd/portalwiki.nsf>

Education

<http://www-01.ibm.com/software/lotus/training/portalofferings.html>

WebSphere Portal Blog

<https://www.ibm.com/developerworks/mydeveloperworks/blogs/WebSpherePortal/>

WebSphere Portal Business Solutions Catalog:

<http://catalog.lotus.com/wps/portal/portal>

WebSphere Portal Product Information:

<http://www-306.ibm.com/software/genservers/portal>

WebSphere Portal Information Center Documentation:

<http://www.ibm.com/developerworks/websphere/zones/portal/proddoc.html>



Additional Rational Application Developer Resources

Rational Application Developer on developerWorks:

<http://www-128.ibm.com/developerworks/rational/products/rad/>

Rational Application Developer Release Notes Quick Links:

<http://w3-103.ibm.com/software/xl/portal/viewcontent?type=doc&srcID=R9&docID=Q037376H41907N67>

Rational Licensing Home Page:

<http://w3-103.ibm.com/software/xl/portal/viewcontent?type=doc&srcID=R9&docID=R107288S44149G18>

Rational Application Developer Zone on DeveloperWorks:

<http://www.ibm.com/developerworks/rational/products/rad/>

Rational Application Developer Red Books

http://www.redbooks.ibm.com/abstracts/SG247501.html?Open?S_TACT=105AGY82&S_CMP=GENSITE



Platforms Supported by Rational Application Developer

Linux®:

Red Hat Enterprise Linux Version 4.0 AS / ES (x32 / x64)

Red Hat Enterprise Linux Version 5.0 AS / ES (x32 / x64)

Red Hat Enterprise Linux Desktop Version 4.0 (x32)

Red Hat Enterprise Linux Desktop Version 5.0 (x32)

SUSE Linux Enterprise Server (SLES) Version 9 (x32 / x64)

SUSE Linux Enterprise Server (SLES) Version 10 (x32 / x64)

SUSE Linux Enterprise Desktop (SLED) 9 (x32)

SUSE Linux Enterprise Desktop (SLED) 10(x32)

Microsoft® Windows®:

Windows Server 2003

Windows XP

Windows Vista Business/Enterprise

Windows Server 2008

Application Server Test Environment:

IBM WebSphere Application Server Unit Test Environment v6.0, v6.1, v7.0

WebSphere Portal Server V6.1 (also compatible with v6.0 but not included)

Supports WebSphere Feature Packs: Web 2.0, Web Services, EJB 3.0

Hardware:

Display, minimum requirements: 1024 x 768

1GB RAM minimum; 2 GB RAM works well

Disk space requirements: 3.5 GB minimum for installing Rational Application Developer and additional disk space for development resources (minimum disk space can be reduced if optional features and run times are not installed).

Linux only supported on x86 architecture

Intel® Pentium® III 800 MHz or higher recommended

Additional reasons why to use Rational Application Developer Portal Tools Kit?

IBM Rational Application Developer (RAD) is the most complete Java and Web IDE on the market.

Rational Application Developer's integrated set of Eclipse-based tools and best practices, as well as its local presence and expertise worldwide, minimizes development risks and maximizes return on investment.

By teaming directly with the WebSphere Application Server and WebSphere Portal Server teams Rational Application Developer provides industry leading capabilities for both runtimes.

Rational Application Developer can extended using both third party Eclipse plug-ins as well as Rational specific plug-ins provided by IBM and its partners.

Rational Application Developer provides a reliable, robust and customizable set of tools, the IBM Software Development Platform, which is built on top of Eclipse .

Rational Application Developer integrates with various Rational solutions including Rational Team Concert, which transforms Rational Application Developer into a collaborative JEE development environment which such capabilities as “Collaborative Debugging”

Rational Application Developer leverages the IBM Installation Manager which provides enterprise-wide deployment capability for your organization.

The standard ECLIPSE Vs RAD PTK customer objection

Most Common Customer Question: I already have Eclipse for my Java coding – what more do I need?

My Response: If you're doing JEE development, your developers are spending a lot of time dealing with low-level infrastructure tasks such as directly editing the deployment descriptors, manually creating the mapping descriptors, writing code to test EJBs and more.

Rational Application Developer adds a wealth of productivity features for the J2EE and Portal/Portlet developer over and above the base Eclipse platform.



For More Information (1)

WebSphere Portal – IBM Site

<http://www-3.ibm.com/software/genservers/portal/>

WebSphere Portal Information Center

<http://www.ibm.com/developerworks/websphere/zones/portal/proddoc.html>

WebSphere Portal Business Solutions Catalog (on Lotus Greenhouse)

https://greenhouse.lotus.com/catalog/home_full.xsp?fProduct=WebSphere%20Portal

WebSphere and Lotus Web Content Management Portal Open Beta

<https://www14.software.ibm.com/iwm/web/cc/earlyprograms/lotus/portalopenbeta/>

WebSphere Portal Blog

<https://www.ibm.com/developerworks/mydeveloperworks/blogs/WebSpherePortal/>



For More Information (2)

IBM Lotus Connections

<http://www.ibm.com/software/lotus/products/connections>

IBM Lotus Forms

<http://www.ibm.com/software/lotus/forms>

IBM Lotus Quickr

<http://www.ibm.com/lotus/quickr>

IBM Lotus Sametime

<http://www.ibm.com/lotus/sametime>

WebSphere Commerce

<http://www.ibm.com/websphere/commerce>

WebSphere Process Server and Business Process Automation

<http://www.ibm.com/software/integration/wps>



QUESTIONS

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