Portlet Development Deep Dive for <u>RAD</u> and <u>Portlet Factory</u>

Portlet Development and Portal Design

using J2EE, Web Services, Data Access, JSF and more…

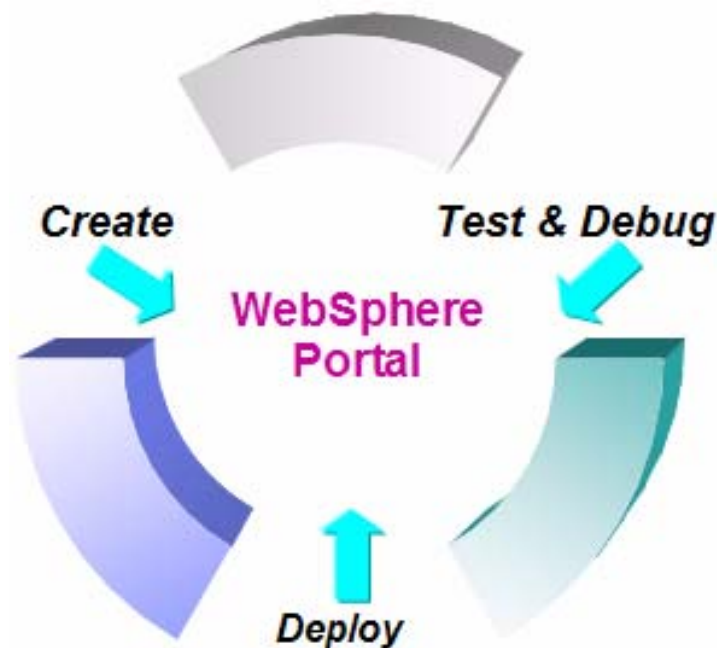*Go to http://JavaSOA.com for presentations, demos, tutorials and other resources*

Name
Title
Company

First ½ of 2-part presentation

This is the first 15 minutes of a 1:15 session

- These charts simply overview some of the RAD built-in portal/portlet tools
- Next presentation, not included here, showcases
 WebSphere Portlet Factory (formerly Bowstreet Portlet Factory)

RAD Built-in Portal/Portlet Development

RAD V6 = Design ➔ Build ⬅➔ Test ➔ Deploy

Simplify and Accelerate Development

- **Portlet** build, test, debug and deploy tasks are highly <u>automated</u>
- **Portal Server** environment is seamlessly <u>integrated</u>
    for automated testing & deployment
- **Portal Page/Site** design look-n-feel
    is automated through <u>drag-n-drop</u>
- **Developer** <u>ease-of-use</u> includes:
    - **JSF** (JavaServer Faces) tool integration
        for creating rich thin client Portlet UIs
    - **Web Services** tool integration
        for creating and consuming web services in Portlets
    - **J2EE** tool integration
        for easily calling JavaBeans and EJBs from Portlets
    - **Cooperative** click-2-action tool integration
        for portlet-to-portlet communications
    - **People awareness** tool integration for collaborative portlets
    - **Service Data Objects** (SDO) tool integration for
        - Relational databases
        - Non-relational backend data and EIS app integration (Siebel, SAP, PeopleSoft, Legacy, XML, etc.)

Create → **WebSphere Portal** ← Test & Debug

↑ Deploy
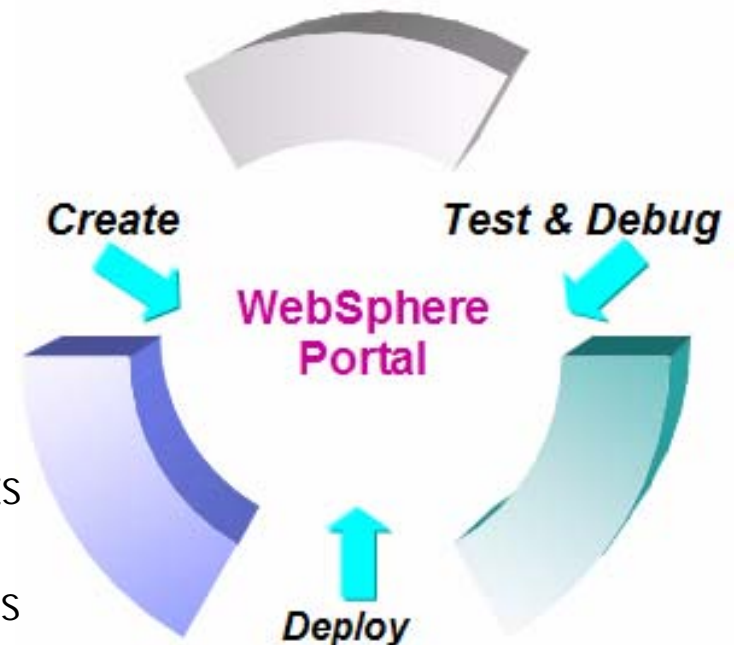
Simplifying J2EE, Web and Portal/Portlet Development

- ## Data (relational and non) drag-n-drop ease-of-use [1] [2]

- ## Web Services development drag-n-drop ease-of-use [1] [2]

- ## Portals drag-n-drop ease-of-use [1] [2]

Richer Thin Clients (Portal, Portlets and Web Apps)

Portal Designer: Site, Page, Themes, Skins
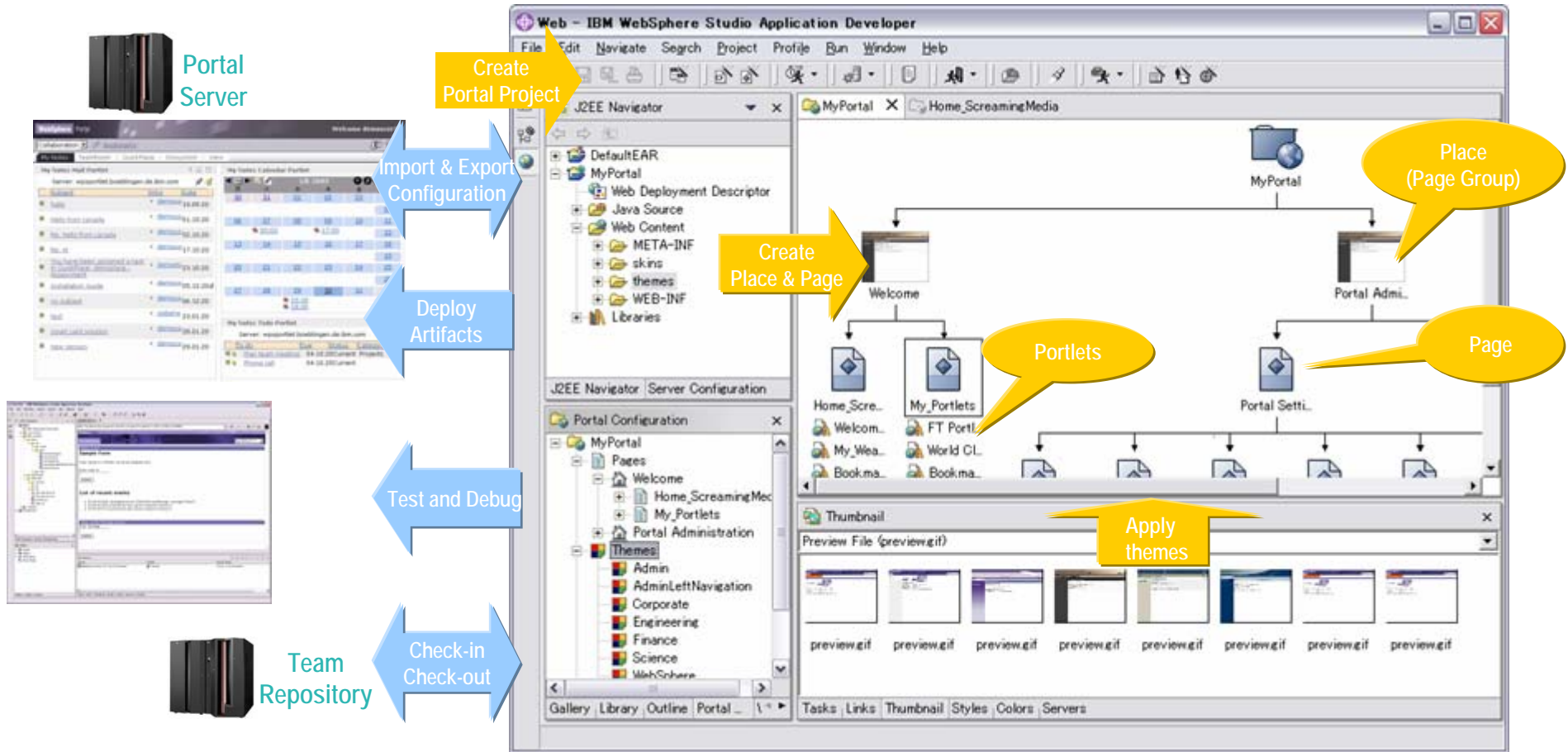
Portal Site Designer

Resources

- **http://ibm.com/developer**
  (IBM developerWorks for technologies and/or products)
  - Java, J2EE, Web Services and other technology zones are on the left hand side
  - WebSphere Zone: http://ibm.com/developer/websphere
  - Rational Zone: http://ibm.com/developer/rational
  - Free Education Portal: http://ibm.com/developer/training

- **http://www.redbooks.ibm.com**
  (How-To Step-by-step Practical Implementation Books)

- **Sun Java/J2SE/J2EE Tutorials:** Java Tutorial Online , J2EE Tutorial Online , J2EE Tutorial BOOK

- **http://JavaSOA.com** (a.k.a. JavaDevTools.com, RationalCentral.com, WebSphereCentral.com)
  (Tutorials, Links, Presentations, White Papers, Articles, etc.)

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Related links
- ISV resources
- alphaWorks (emerging technologies)
- Academic program
- IBM Redbooks
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