



IBM Software Group

# IBM® Rational® Web Developer V6 IBM® Rational® Application Developer V6

## *XML Tools*



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## Goals

- Understand the Main New Features in XML tools for IBM Rational Application Developer and Rational Web Developer
  
- Pre-requisite:
  - ▶ IBM Rational Web/Application Developer and basic knowledge of WebSphere® Studio V5.x XML tools



## Agenda

- WSDL Editor
- XML Schema
- XSL Transformation
- X-Path Expression Builder



## Section

# ***XML Development Tools - Enhancements***



## WSDL Editor

- Simplified
- The WSDL Editor has been ported over to the Eclipse 3.0 base.
- WSDL Editor will use new WSDL model (com.ibm.etools.wsdl) which will replace the older model (com.ibm.etools.ctc.wsdl)

## WSDL Editor Improvements

- Move embedded 'Details View' into properties view
- Restructure action code to support model driven actions
- The design page is now moved into the properties page
- The WSDL Editor menus are simplified and more accessible.
- New option to generate a skeleton WSDL file
- New option to generate default messages when adding an operation



**New option to generate a skeleton WSDL file-** This gives users the opportunity to start work on a simple WSDL file rather than starting from scratch.

**Generate default messages when adding operation -** Choosing this option will not only create an Operation, but also an Input and Output with associated Messages and Parts.

## XML Schema Enhancements

- The new XSD Editor design views uses the Properties view
- can generate a sample XML file from an XML Schema. To generate an XML instance, right-click on an XML Schema file from the Package Explorer, then select **Generate->XML File...** to bring up the XML generation wizard.
- attribute declarations view to support adding/editing attributes from graph view
- Attributes can be edited by using the various cell editors.
  - ▶ Combo boxes, text editors, dialog cell editors are used.



## XSL Transformation

- Ability to run an XSL transformation via two methods
- First way
  - ▶ select the XML and XSL file from the navigator view and choose the Run As -> XSL Transform action.
- Second way
  - ▶ create a Run configuration. Choose the files you want to be part of the transform process and then click Run.





## X-Path Expression Builder

- user can invoke new XPath builder from XSL file using context menu that is active on **select** or **match** attributes
- XPath builder allows user to edit and evaluate XPath 1.0 expressions in different contexts
- Content assist is available for building XPath expression
- Result Tree evaluates the expression dynamically



## Section

# *Summary and Reference*



## Summary

- XML tools enhanced to make more usable
- Main Improvements
  - ▶ WSDL
  - ▶ XML Schema
  - ▶ XSL Transformation
  - ▶ X-Path Expression Builder



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