What you will see/learn …

• Web services in action
• An overview of the major WS technologies
• Insight into Service Oriented Architecture as a way to design Web Service-based systems
  – Design and best practices
• An overview of advanced Web Services topics and futures
• An introduction to Enterprise Service Bus, enabling infrastructure for SOA
What This Course is About

• In scope
  – Grand tour of Web service technology
  – Using services to migrate and contain legacy applications and legacy middleware
  – Consolidating redundant functionality
  – Incrementally building enterprise-wide infrastructure

• Close, but out of scope
  – Methodology
  – Model-Driven Architecture
  – Web (development) technology in a broader sense
  – “Classical” B2B (RosettaNet, ebXML, EDI, UCCnet,…)
  – Utility computing, Grid computing, agent technology

• Intended Audience
  – Technical managers, project leaders, developers, program managers, system architects
# Course Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Chapter Number</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>0</td>
<td>Overview and Schedule</td>
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<tr>
<td>9:15</td>
<td>1</td>
<td>Setting the stage: An introductory WS demo</td>
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<tr>
<td>9:30</td>
<td>2</td>
<td>WS Technologies: XML, SOAP, WSDL, UDDI</td>
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<td>10:30</td>
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<td>Break</td>
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<td>10:45</td>
<td>2</td>
<td>WS Technologies: XML, SOAP, WSDL, UDDI (cont)</td>
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<td>12:00</td>
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<td>Lunch</td>
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<tr>
<td>1:00</td>
<td>5</td>
<td>Service Oriented Architecture and Web Services</td>
</tr>
<tr>
<td>1:45</td>
<td>6</td>
<td>Service Oriented Architecture and ESBs</td>
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<tr>
<td>2:30</td>
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Acronyms (For Reference Purposes)

• SOA  Service Oriented Architecture
• OASIS Organization for the Advancement of Structured Information Standards
• OMG Object Management Group
• UDDI Universal Definition, Discovery and Integration (of Web Services)
• W3C World Wide Web Consortium
• WS Web Service
• WSDL Web Service Description Language
• WS-I Web Services Interoperability organization
• WSID Web Services Interoperability Demonstration
• XML Extensible Markup Language
• XSLT XML Stylesheet Language (Transform)
Instructor Today: Eric Newcomer
Chief Technology Officer, IONA Technologies

• Responsible for directing IONA's technology strategy as it relates to standards adoption, product architecture, and design

• Joined IONA in November 1999, after 16 years at Digital/Compaq, where he was a corporate level architect

• Involved in Web services standardization from the beginning:
  – Co-submitter of SOAP and founding member of the XML Protocols Working Group at W3C
  – Editor of the W3C Web Services Architecture specification
  – Co-author of the Web Services Composite Application Framework (WS-CAF) set of specifications submitted to OASIS, and co-chair of the OASIS WS-CAF Technical Committee

• Author of best-selling Understanding Web Services (Addison-Wesley 2002) and Understanding SOA with Web Services (Addison-Wesley 2004)