

Web Services Foundations

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Version 8

IONA[®]

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

Time	Chapter Number	Topics
9:00	0	Overview and Schedule
9:15	1	Setting the stage: An introductory WS demo
9:30	2	WS Technologies: XML, SOAP, WSDL, UDDI
10:30		Break
10:45	2	WS Technologies: XML, SOAP, WSDL, UDDI (cont)
12:00		Lunch
1:00	5	Service Oriented Architecture and Web Services
1:45	6	Service Oriented Architecture and ESBs
2:30		End

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)

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