

RAPID DELIVERY TECHNOLOGIES

**Public or In-house 1-day Course covering the latest
Rapid Delivery Technologies**

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Introduction

This 1-day course provides an overview of how XML, Enterprise Application Integration (EAI), Web Services, Service Oriented Architecture (SOA) and Business Process Management (BPM) languages are used for rapid delivery of priority processes.

Objectives

- Learn how XML, XSL and XSLT are used with Enterprise Application Integration (EAI)
- Learn how Web Services and Service Oriented Architecture (SOA) can be used for rapid delivery
- Understand the Business Process Management (BPM) languages that are used with SOA
- Gain an overview of the products that are available to deliver the above technologies and understand their vendor strategies

Audience

CIO, CTO, Government Program Managers, Business Managers, Business Experts, IT Managers, Project Managers, Business Analysts, Systems Analysts, Enterprise Architects.

Course Outline

Technologies, Products and Strategies for Rapid Delivery Technologies

1. REVIEW OF XML, XSL AND XSLT FOR INTEGRATION

- Reviews the concepts of XML, Extensible Style Language Transformation (XSLT) and XSL that are used for integration by EAI, Web Services and SOA technologies

2. ENTERPRISE APPLICATION INTEGRATION (EAI) CONCEPTS

- Discusses Enterprise Application Integration (EAI) concepts with XML messaging standards
- Reviews EAI approach used by ebXML for EDI
- Reviews EAI vendor strategies and products, including webMethods, Microsoft, IBM, TIBCO, SeeBeyond, Vignette and others

3. WEB SERVICES CONCEPTS AND EVOLUTION

- Introduces concepts of Web Services, together with Simple Object Access Protocol (SOAP), Web Services Description Language (WSDL) and Universal Description, Discovery and Integration (UDDI)

4. REVIEW OF WEB SERVICES STRATEGIES AND PRODUCTS

- Discusses different Web Services scenarios and the market evolution of Web Services
- Examines the impact that Web Services have on existing EAI approaches
- Reviews strategies and products of Web Services vendors, including Microsoft, IBM, Oracle, Software AG, BEA, and others

5. SOA AND BPM CONCEPTS, STRATEGIES AND PRODUCTS

- Introduces the concepts of Service Oriented Architecture (SOA), Event Driven Architecture (EDA) and Business Process Management (BPM) languages for dynamic invocation
- Discusses BPM languages that are generated from Workflow Models or Process Models
- Several BPM languages are covered, including Business Process Execution Language (BPEL), Web Services Choreography Interface (WSCI), Business Process Modeling Language (BPML) and Business Process Specification Schema (BPSS) for ebXML
- Reviews strategies and products of SOA and BPM vendors, including Microsoft, IBM, SAP, Software AG, webMethods, SeeBeyond, TIBCO, Plumtree, Vignette, Intalio and others

6. RAPID DELIVERY USING XML, EAI, WEB SERVICES AND SOA

- Reviews integration technologies based on XML, XSL, XSLT, EAI, Web Services and SOA
- Shows how these integration technologies are used to deliver these priority areas rapidly into production, in 3-month increments
- Discusses maintenance methods based on these technologies and Enterprise Architecture that enable implemented e-Government and e-Business areas to respond rapidly to business changes