ENTERPRISE INTEGRATION TECHNOLOGIES

Public or In-house Course covering the latest Integration Technologies for e-Business and e-Government

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Introduction

With the rapid pace of change today, the need for transformation from today's inflexible business environment to an agile enterprise that can change direction rapidly has never been greater. Technologies for Technology Integration that achieve Rapid Delivery of e-Government and e-Business Strategies are needed that support rapid business change.

Objectives

- XML and Enterprise Application Integration (EAI) Technologies and Strategies
- Enterprise and e-Government Portals for Integrated Access to Databases, Systems and other Enterprise Resources
- Web Services and Service-Oriented Architecture (SOA) Business Process Management (BPM) Concepts for Real-Time Enterprise Integration
- Evolving Enterprise Integration Strategies to Enterprise Architecture

Audience

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

Course Outline

Strategies and Technologies for Enabling Enterprise Integration

1. THE ROLE OF THE INTERNET IN ENTERPRISE INTEGRATION

- B2B e-Business Integration Issues, and B2B cost effectiveness Business Drivers
- Introduction to XML and XSL for e-Business
- Demonstration of XML and XSL Transformation

2. ENTERPRISE APPLICATION INTEGRATION CONCEPTS

- Growth of Trading Communities and XML Messaging Standards
- Enterprise Application Integration (EAI) Concepts
- EAI Technologies and Standards
- EAI Strategies: webMethods; Microsoft BizTalk; ebXML vendors

3. INTRODUCTION TO PORTAL APPROACHES FOR ENTERPRISE INTEGRATION

- Characteristics of Collaborative, Business Intelligence and Integration Portals
- Portal capabilities that are essential for Enterprise Integration
- Portal product strategies

4. REAL WORLD ENTERPRISE AND e-GOVERNMENT PORTAL CASE STUDIES FOR INTEGRATION

• Real World examples of Portals used for Enterprise and e-Government Integration

5. THE ENTERPRISE METADATA IMPERATIVE

- Role of Metadata in Enterprise Integration
- Data Source and Metadata Analysis
- Metadata Engineering Specifying and defining requirements as Metadata
- Strategies for Metadata Definition and XML generation
- Real World Case Study of Metadata XML generation

6. WEB SERVICES CONCEPTS FOR REAL-TIME ENTERPRISE INTEGRATION

- Technologies for Business Integration today
- What are Web Services and why are they so important for the Integrated Enterprise?
- What are the concepts of Real-Time Web Services and Web Services Messaging?

7. WEB SERVICES PRODUCT STRATEGIES AND EVOLUTION

- How are Web Services evolving?
- Web Services products and strategies (.NET, J2EE and Bridging products)
- How do Web Services enable the evolution of the 21st century Integrated Enterprise

8. SERVICE-ORIENTED ARCHITECTURE FOR WEB SERVICES

- Emerging Business Process Management (BPM) languages for Service Oriented Architecture (SOA)
- Automatic generation of executable code from Workflow Models or Business Process Models using XML-based BPM languages
- SOA BPM Vendors and Product Strategies
- Enterprise Integration Strategies based on BPM languages

9. USING ENTERPRISE ARCHITECTURE TO EVOLVE TO INTEGRATED ENTERPRISES FOR THE 21ST CENTURY

- What is missing from technologies above, and what is the potential if we include it?
- What business imperatives must the 21st century enterprise adopt to succeed?
- What is Enterprise Architecture (EA) and how can it help Enterprise Integration?
- Who are the real Architects and what is their impact on Enterprise Architecture?
- How do these technologies work with EA to deliver real-time Enterprise Integration?
- What are the Criteria for Success?