

Methodology and Technology Services



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ENTERPRISE INTEGRATION: TECHNOLOGIES AND STRATEGIES

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

Presented by [Clive Finkelstein](#)

[Printable PDF Version](#)

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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.

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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

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Audience

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

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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 PORTAL CASE STUDIES

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

5. ENTERPRISE METADATA AND THE ROLE OF MODELING TOOLS

- Review of Modeling Tools for Enterprise Architecture
- Code Generation concepts used by Modeling Tools
- Business Process Modeling Notation (BPMN) for Process Modeling
- Support by Modeling Tools for Code Generation and BPMN

6. WEB SERVICES CONCEPTS FOR REAL-TIME ENTERPRISE INTEGRATION

- The role of Web Services in the Integrated Enterprise
- \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 for .NET and J2EE
- How do Web Services enable evolution of the 21st century Enterprise

8. SERVICE-ORIENTED ARCHITECTURE FOR WEB SERVICES

- 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
- The Role of BPMN in automatic generation of executable BPM code
- 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?
- What business imperatives must the 21st century enterprise adopt?
- How does Enterprise Architecture (help Enterprise Integration?
- How do technologies work with EA for real-time Enterprise Integration?
- What are the Criteria for Success?

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Instructor

Clive Finkelstein

Clive Finkelstein is acknowledged worldwide as the "Father" of Information Engineering, and is Managing Director of Information Engineering Services Pty Ltd in Australia. He has over 43 years' experience in the Computer Industry. He has published many books and papers, and contributed Chapters and Forewords to books published by McGraw-Hill and Springer-Verlag. Clive has authored the following books:

- *"Information Engineering"*, James Martin and Clive Finkelstein, Savant Institute, Carnforth: Lancs UK (1981). This was the book that started the Information Engineering Revolution in the 1980's.
- *"An Introduction to Information Engineering"*, Clive Finkelstein, Addison-Wesley, Sydney: Australia (1989). This book covers the history and evolution of Information Engineering.
- *"Information Engineering: Strategic Systems Development"*, Clive Finkelstein, Addison-Wesley, Sydney: Australia (1992). This is the "how-to" book on using Information Engineering.
- *"Building Corporate Portals with XML"*, Clive Finkelstein and Peter Aiken, McGraw-Hill New York: NY (2000). This book covers methodologies and technologies for Enterprise Portals.
- *"Enterprise Architecture for Integration: Rapid Delivery Methods and Technologies"*, Clive Finkelstein, Artech House, Norwood, MA (March 2006). This book brings together the methods and technologies for rapid delivery of Enterprise Architecture in 3-month increments. [Read the Book Review.](#)

Clive Finkelstein is an internationally renowned consultant and instructor, and has completed projects for Defense, Government and Commercial organizations throughout the world and in most industries. Many projects have involved the *Zachman Framework for Enterprise Architecture*, using the latest methods and technologies for rapid delivery of priority areas into implementation. These methods use Enterprise Engineering for rapid definition of Enterprise Architecture. His technology focus addresses Enterprise Integration technologies using XML, Enterprise Application Integration (EAI), Enterprise Portals, Web Services and Service-Oriented Architecture (SOA) for Business Process Management (BPM) using XML-

based BPM languages.

He provides training and consulting in all aspects of the Zachman Framework for Enterprise Architecture, with rapid delivery of priority areas using Enterprise Engineering. His application of these methods in large and medium Government, Defense and Commercial enterprises results in *Business Transformation Enablement*, so that business and IT managers and their staffs can plan for and achieve rapid business change. Enterprise Architecture provides a Governance Analysis Framework that supports Sarbanes-Oxley and other Governance Audit requirements. It provides direct support and linkage to Balanced Scorecard for Strategy-Focused Organizations, to ensure that IT systems and databases support defined Scorecard Measures, Strategy Maps and Governance requirements.

Clive writes a monthly column, "The Enterprise" for DM Review magazine. Past issues are at <http://www.dmreview.com/>. He publishes a free, quarterly technology newsletter via email: "The Enterprise Newsletter (TEN)". Past issues of TEN are at: <http://www.ies.aust.com/>. His books and papers are at <http://www.ies.aust.com/cbfindex.htm>. He can be contacted at cfink@ies.aust.com. Many in-house skills-transfer courses and seminars presented by Clive Finkelstein are at <http://svc004.bne009i.server-web.com/catalogue/visible/default.shtml>.



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