Methodology and Technology Services

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INHOUSE AND WEBCAST COURSES

Printable PDF Version

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Introduction

Information Engineering Services Pty Ltd (IES) presents both online video webcast courses and live inhouse courses based on its Enterprise Architecture Methodology and Technology courses. These provide training in rapid delivery methods and technologies for Enterprise Architecture (EA) and Enterprise Integration.

The courses apply to the Zachman Framework for Enterprise Architecture, the Federal Enterprise Architecture Framework (FEAF), the Department of Defense (DoD) Architecture Frameworks (C4ISR and DoDAF) and many other frameworks. These methodology and technology courses result in rapid delivery into production of priority business activities and processes.

Course Copyrights for Sale

Copyright ownership of all of the EA and Technology courses described on this web site is available for sale by Tender. Refer to the Course ROI document and the Tender Offer Form for more details.

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Overview Videos of Webcast Courses

The following video course segments are presented via online webcast courses throughout the world. They are based on live inhouse seminars or skills-transfer workshops that use real-life case study problems. Click on the links below to view a free, overview video of these webcast courses. Review each Section table further below to see the course segments for each section topic.

Overview Videos

- A free, brief overview video is available of all of these webcast courses, below.

Course Handouts

- Each online course includes all handouts (two visuals per page) of the visuals that are presented in the relevant course. Each section of the course includes free White Papers that can be downloaded for later reference.

- Download the handouts and print them for reference and to take notes while doing the relevant online course. Download the White Papers as well and print them for later reference after doing the relevant course segments in each section.

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VIEW BRIEF OVERVIEW OF WEBCAST COURSES

- Rapid Delivery of Enterprise Architecture

  ○ Download Handouts for Brief Overview (PDF 71K)
  ○ Do Brief Overview Course (16:16 mins.)

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RAPID DELIVERY OF ENTERPRISE ARCHITECTURE

- Click on the Registration Link below each Section table of Course Segments that follow. More webcast videos will be progressively added for online registration from end 2009.

Section 1: Introductory Online Video Subscription Course on "Enterprise Architecture for Managers and IT"

This section covers what is commonly referred to as Business Architecture. The segments in this section are introductory videos for Managers and IT staff on the principles of Enterprise Architecture.

One of the biggest problems in achieving success in Enterprise Architecture is in getting active participation from business managers and business experts. The segments in this section show how business knowledge is vital for success with EA. This knowledge is not an IT responsibility, but is the responsibility of business managers and their expert staff. IT staff also need to take a different approach in systems development, to build support systems that can be easily changed to support rapid business change.

This course section shows how business managers and their staff become actively involved, to drive the EA activity to success. Two White Papers can be downloaded for detailed reference after viewing the course segments in this section. The video segments in this Section 1 are described as follows:

Section 1 Video Segments Overview

Segment 1-01 establishes - for business managers and IT staff - the need for rapid business transformation by enterprises so they can survive in the rapid change environment of today, with even greater change coming tomorrow.

Segment 1-02 shows IT staff why system should be built to respond to business

changes in the future: but not from existing business processes as have traditionally been used. These processes typically define the needs of the past. Instead, *Strategic Business Plans* determine the business needs for the future. These should be used as a catalyst for systems development instead of the traditional systems development approach of using business processes.

Segment 1-03 introduces the concepts of Balanced Scorecards and Strategy Maps as used by senior business managers today, so IT staff can understand the needs of senior managers.

Segment 1-04 introduces business managers, business staff and IT staff to the concepts of Enterprise Architecture and to Version 1 of the Zachman Framework graphic. EA is used by many organizations today to build data bases and systems that can be delivered rapidly into production in 3-month increments, yet can easily be changed rapidly in weeks or days to accommodate business changes, rather than the months or years traditionally needed for system maintenance.

Segment 1-05 shows how EA can be used to develop a Governance Analysis Framework for Sarbanes-Oxley corporate governance, for delivery typically in 25 days.

Segment 1-06 shows how the Zachman Framework graphic has changed from Version 1, as introduced in Segment 1-04, now to Version 2 - which is more business-terminology-consistent.

All segments above are of interest to both business managers, business staff and IT staff.

The Video column in the following table provides the duration of each video segment, with the total duration of all segments for this section also listed. The PDF column refers to the Handouts (as Two per Page visuals in PDF) that can be downloaded to refer to, while you are doing each video segment.

Seg	Segment Title	Video	PDF
1-01	The Need for Business Transformation	22min	156K
1-02	Systems Support for Rapid Business Change	10min	59K
1-03	Balanced Scorecard and Strategy Maps	24min	67K
1-04	Introduction to Enterprise Architecture	30min	310K
1-05	Governance Analysis using Enterprise Architecture	12min	277K
1-06	Zachman Framework 2.0 and Enterprise Architecture Maturity	12min	320K
	Total Duration of above Segments in Section 1	**1h 50m**	--
Papers	White Papers on "Enterprise Architecture for Managers and IT" and on "Governance Analysis using Enterprise Architecture"	--	990K

The white papers provided above for download with this course have been extracted (in PDF) from the Preface, Chapter 1 and Chapter 4 of the book: "Enterprise Architecture for Integration: Rapid Delivery Methods and Technologies" by Clive Finkelstein, Artech House, Norwood, MA (March 2006).

Registration for Section 1

The following link will take you to our Online Store, in the Category "Online Courses" with this Section 1 course displayed as a product item. Select the Subscription Option (3 months, 6 months or 12 months) that you want. This will enable many people in your organization to view the videos.

You can pay by credit card as detailed on the Home page of the Store. Provide your email address with your payment and you will then receive an email 1- 2 days later with the details of the link for downloading the Section 1 courses.

- **Register for Section 1 Webcast Courses**

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Section 2: Strategic Planning Online Video Subscription Course on *"*Using Strategy Analysis to Define Business Plans"

We discussed in Section 1 above that a key requirement for success with Business Architecture is a focus on the future based on Strategic Business Plans. Strategy Analysis is a rapid delivery method for Strategic Business Planning.

The course segments in this section show how to use Strategy Analysis to develop business plans from scratch if they do not yet exist, or how to refine existing business plans. Strategy Analysis can also be used by IT staff to gain a detailed understanding of the future business needs for inclusion in Project Requirements Specifications. A Business Planning Questionnaire is provided as a catalyst to develop new Business Plans from scratch or to refine existing plans.

This course section shows how business managers and their staff can become actively involved in identifying future business needs, to drive Enterprise Architecture to success. A White Paper and a Business Planning Questionnaire can be downloaded for detailed reference after viewing the course segments in this section. The video segments in this Section 2 are described as follows:

Section 2 Video Segments Overview

Segment 2-01 discusses the structure and purpose of the Mission statement of the enterprise to set the direction for the future.

Segment 2-02 shows how Policy statements, Goals, Objectives, Key Performance Indicators (KPIs) and Strategies and Tactics are all defined.

Segment 2-03 shows how the Business Plan is further defined and implemented using Personal scorecards.

Segment 2-04 describes the structure of the Business Planning Questionnaire. It shows how the Business Planning Questionnaire Template is used to gather input from business managers and their staff to be used as a catalyst for an inhouse Business Planning Workshop. In this workshop, new Strategic Business Plans can be developed from scratch, or existing .Strategic Business Plans can be refined.

Finally, *Segment 2-05* describes how the Strategy Analysis method (covered in Segments 2-01 to 2-04 above) is used by IT staff to gather Project Requirements Specifications based on the defined Strategic Business Plans.

All segments above are of interest to both business managers and IT staff.

The Video column in the following table provides the duration of each video segment, with the total duration of all segments for this section also listed. The PDF column refers to the Handouts (as Two per Page visuals in PDF) that can be downloaded to refer to, while you are doing each video segment.

Seg	Segment Title	Video	PDF
2-01	Analyzing the Mission Statement	24min	78K
2-02	Defining Planning Statements: Policies; Goals, Objectives and KPIs; Strategies and Tactics	34min	83K
2-03	Implementing the Business Plan through Personal Scorecards	14min	65K
2-04	Business Planning Questionnaire	16min	50K
2-05	Using Strategy Analysis for IT Project Requirements Specifications	11min	40K
	Total Duration of above Segments in Section 2	**1h 39m**	--
Papers	White Paper on "Chapter 3: Using Strategy Analysis to Define the Future" and "Business Planning Questionnaire"	--	570K

The white papers provided above for download with this course are Chapter 3, extracted (in PDF) from the book: "Enterprise Architecture for Integration: Rapid Delivery Methods and Technologies" by Clive Finkelstein, Artech House, Norwood, MA (March 2006) and the "Business Planning Questionnaire Template" (in Word) from the CD that is supplied with the book.

Registration for Section 2

The following link will take you to our Online Store, in the Category "Online Courses" with this Section 2 course displayed as a product item. Select the

Subscription Option (3 months, 6 months or 12 months) that you want. This will enable many people in your organization to view the videos.

You can pay by credit card as detailed on the Home page of the Store. Provide your email address with your payment and you will then receive an email 1- 2 days later with the details of the link for downloading the Section 2 courses.

- **Register for Section 2 Webcast Courses**

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Free Online Video Courses on 'Deriving Project Plans from Data Models"

Section 3: Strategic Modelling for Rapid Delivery of EA

One of the biggest problems in implementing Enterprise Architecture projects is the amount of detail that is defined. The course segment videos in this section are FREE and show how to develop a high-level Strategic Model - as a conceptual Enterprise Model - from Business Plans that focus on the future.

Section 3 then shows how to identify business activities and business processes from the data model and how to derive project plans from the strategic data model for rapid delivery of priority processes in 3-month increments. The video segments in this Section 3 are described as follows:

Section 3 FREE Video Segments Overview

Segment 3-01 describes how a Strategic Modeling Questionnaire Template is first used to gather business plans as input from business managers and business experts, if a Business Planning Questionnaire and inhouse Business Planning Workshop are not used as described in Section 2 above. .

Their responses to the questionnaire are used as catalysts in *Segment 3-02* in a Strategic Modeling Facilitated session attended by business managers and business experts who have NO knowledge of data modeling. With guidance from the facilitator, this segment shows how they can develop the Strategic Model of their enterprise as a business picture, based on the business plans and their business knowledge. .

Once the Strategic Model has been developed from Business Plans in Segment 3-02, *Segment 3-03* shows how business activities and business processes can be easily identified from data models so managers can determine the delivery priorities of data bases and systems for the business. *This approach is not widely appreciated even by experienced data modeling practitioners.*

Following this, *Segment 3-04* next show how to analyze the Strategic Model, both manually and also automatically, to *derive project plans from the data model*.

This extends the discipline of data modeling with new methods that have not generally been seen or understood even by experienced data modeling practitioners.

These new methods enable priority business processes to be identified and extracted from complex data models - along with the data that they need - as subprojects for rapid delivery as systems into production in 3-month increments.

The Video column in the following table provides the duration of each video segment, with the total duration of all segments for this section also listed. The PDF column refers to the Handouts (as Two per Page visuals in PDF) that can be downloaded to refer to, while you are doing each video segment.

Seg	Segment Title	Video	PDF
3-01	Strategic Modelling Questionnaire	18min	51K
3-02	Developing the Strategic Model - Basic Concepts	25min	231K
3-03	Identifying Business Activities and Processes from the Strategic Model	15min	129K
3-04	Deriving Project Plans from the Strategic Model: for rapid delivery of shared databases and reusable systems	35min	204K
	Total Duration of above Segments in Section 3	**1h 33m**	--
Papers	White Paper on "Chapter 7: Strategic Modeling for Rapid Delivery of Enterprise Architecture" and "Strategic Modelling Questionnaire Template" in Microsoft Word and PDF		5.3MB 62K

The white papers provided above for download with this course are Chapter 7, extracted (in PDF) from the book: "Enterprise Architecture for Integration: Rapid Delivery Methods and Technologies" by Clive Finkelstein, Artech House, Norwood, MA (March 2006) and the "Strategic Modelling Questionnaire Template" (in Word and PDF) from the CD that is supplied with the book.

View Section 3 Videos FREE

NOTE: Section 3 will be available following your registration, at no charge. The response to your registration is the above table with links activated so you can download the videos and handouts for FREE as follows:

1. First, download Chapter 7 (in PDF) and the Strategic Modelling Questionnaire Template (in Microsoft Word and PDF) can be downloaded for detailed reference while viewing Segment 3-01 and Section 3. After registration, click on the activated link in the Strategic Modelling

Questionnaire title for Word, or click on the links in the PDF column for PDF.

2. Second, the course handouts (in PDF, printed as two visuals per page) can next be downloaded after registration by clicking on the link for each segment in the PDF column. Print each PDF file to refer to these handouts while you view the relevant video for each segment.

3. Third, the videos (as .wmv files) can then be downloaded and viewed immediately (using Windows Media Viewer) after registration - by clicking on the link showing the duration of each segment in the video column .

*   **Register for FREE Section 3 Webcast Courses**

*   **Review Section 1: Introductory Online Video Subscription Course on *"Enterprise Architecture for Managers and IT"***

*   **Review Section 2: Strategic Planning Online Video Subscription Course on *"Using Strategy Analysis to Define Business Plans"***

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Section 4: Real-World Enterprise Architecture Projects

This section describes two real-world projects that applied the methods covered in the previous sections of this webcast course to develop and analyze a Strategic Model for a Regional Bank and also for a Government Agency. These projects documented this analysis in an Enterprise Architecture Portfolio Plan (EAPP) Report for each organization, for rapid delivery of priority processes into production as systems in 3-month increments.

A White Paper on each project can be downloaded for detailed reference after viewing the course segments in this section.

NOTE: Section 4 videos will be made available for download after their publication to the Online Store by end 2009.

Seg	Segment Title	Mgt	IT
4-01	Enterprise Architecture in Banking	**4**	**4**
4-02	Enterprise Architecture in Government	**4**	**4**
Papers	White Papers on "Enterprise Architecture in Banking" and on "Enterprise Architecture in Government"	**4**	**4**

Registration for Section 4

When enabled, the registration link below will take you to our Online Store, in the Category "Online Courses" with this Section 4 course displayed as a product item. Select the Subscription Option (3 months, 6 months or 12 months) that you want and checkout. This will enable many people in your organization to view the videos.

You can pay by credit card as detailed on the Home page of the Store. Provide your email address with your payment and you will then receive an email 1- 2 days later with the details of the link for downloading the Section 4 courses.

- **Register for Section 4 Webcast Courses**

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Inhouse Courses

The following courses are presented on-site as Inhouse courses throughout the world. They can be tailored to the specific requirements of your organization, for presentation as inhouse courses on-site, or off-site at your nominated venue. Each course comprises seminars or skills-transfer workshops based on real-life case study problems, tailored to your industry and organization.

- **Email us to discuss the tailoring and scheduling of these inhouse courses**.

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Inhouse Methodology Courses

- **Enterprise Architecture for Managers** (1 Day)

  This course provides a 1-day executive overview of the concepts and benefits of Enterprise Architecture. It shows how Enterprise Architecture is used by senior management to support Governance Analysis for Sarbanes-Oxley and other Corporate Governance mandates. It includes the Strategy Analysis method for refinement of strategies in Balanced Scorecard Strategy Maps. It shows how scorecard measures can be built into Job Descriptions as Personal Scorecards.

  - Enterprise Architecture for Managers - Course Outline
  - Download this Course Outline as a PDF File
  - Email for Schedule and Pricing of Inhouse Courses

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- **Rapid Delivery Methods for Enterprise Architecture** (1 Day)

  This course provides a 1-day overview for Business and IT staff of the concepts and benefits of Enterprise Architecture. It shows how an integrated Strategic Data Model is developed from Strategic Plans. It shows how project plans can be derived from the strategic model for rapid delivery of priority business activities and processes in 3-month increments. It can be followed by the companion 1-Day course: *"Rapid Delivery Technologies for Enterprise Architecture"*.

  - Rapid Delivery Methods for Enterprise Architecture - Course Outline
  - Download this Course Outline as a PDF File
  - Email for Schedule and Pricing of Inhouse Courses

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- **Strategic Modelling for Enterprise Architecture** (3 Days)

  This course provides a 3-day Enterprise Architecture overview and workshop-based training of the Strategic Modelling method for rapidly building Enterprise Architecture. This translates Business Plans into a Strategic Model of data and business activities. Priority business activities and processes can be easily identified in the Strategic Model by management for early delivery.

  - Strategic Modelling for Enterprise Architecture - Course Outline
  - Download this Course Outline as a PDF File
  - Email for Schedule and Pricing of Inhouse Courses

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- **Rapid Delivery Workshop for Enterprise Architecture** (5 Days)

  This course provides more extensive workshop-based training over 5 days for joint training of managers, business experts and IT staff in the concepts, methods and technologies for rapid delivery of Enterprise Architecture. It comprises the following component courses:

  - Enterprise Architecture for Managers (1 Day)
  - Rapid Delivery Portfolio Methods for EA (2 Days)
  - Rapid Delivery Design and Technologies for EA (2 Days)

  - Rapid Delivery of Enterprise Architecture - Course Outline
  - Download this Course Outline as a PDF File

○ Email for Schedule and Pricing of Inhouse Courses

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Inhouse Technology Courses

- **Rapid Delivery Technologies for Enterprise Architecture** (1 Day)

  This 1-day course covers the implementation of priority activities and processes using rapid delivery technologies based on XML, XSL, XSLT and EAI. It addresses Web Services and Service-Oriented Architecture (SOA) using Business Process Management (BPM) languages. The course covers concepts, vendor products and strategies for these technologies. It can be presented stand-alone, or can follow the companion 1-Day Course: *"Rapid Delivery Methods for Enterprise Architecture"*

  ○ Rapid Delivery Technologies - Course Outline
  ○ Download this Course Outline as a PDF File
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- **Enterprise Integration Technologies** (2 Days)

  This 2-day course covers integration technologies for rapid delivery of Enterprise Architecture using XML, Enterprise Application Integration (EAI), Enterprise Portals, Web Services and Service-Oriented Architecture (SOA). SOA uses Business Process Management (BPM) languages such as Business Process Execution Language (BPEL), Business Process Modeling Language (BPML), and Business Process Specification Schema (BPSS) for ebXML. The course covers concepts, vendor products and strategies for these technologies.

  - Enterprise Integration Technologies - Course Outline
  - Download this Course Outline as a PDF File
  - Email for Schedule and Pricing of Inhouse Courses

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- **Enterprise and e-Government Portals** (3 Days)

  This 3-day course covers the concepts, technologies and strategies that are used by Enterprise Portals and e-Government Portals for

Collaboration, Content Management, Business Intelligence and Enterprise Integration. The course discusses vendor strategies and product capabilities for many Enterprise Portal and Content Management products.

- Enterprise and e-Government Portals - Course Outline
- Download this Course Outline as a PDF File
- Email for Schedule and Pricing of Inhouse Courses

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Self-Study Certification Courses

These courses are designed for self-study, skills-transfer training to develop certified proficiency in various methodologies. They include case study exercises with sample solutions. Each student completes a real-life case study workshop problem to apply the skills learned and qualify for certification.

- **Certified Business Data Modeler (CBDM)**

The Certified Business Data Modeler (CBDM) course provides skills-transfer self-study training for IT staff and business expert staff in business data modeling and business normalization. It includes the Business Data Modeling Case Study Workshop that presents a real-life data modeling problem to the student for solution. The student's solution to this workshop comprises the CBDM Certification Exam. The different editions for this course are listed below:

- Certified Business Data Modeler (CBDM-N):
  - PowerPoint Version: No Exam
- Certified Business Data Modeler (CBDM-E):
  - PowerPoint Version: Plus Exam
- Certified Business Data Modeler (CBDM-I):
  - Intranet Version: Plus Exam

- Certified Business Data Modeler - Course Outline
- Download this Course Outline as a PDF File
- Pricing and Purchase of CBDM Self-Study Courses

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Education Website Links

- **GED Classes Online and GED Programs**

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