

TOGAF 9 CERTIFICATION



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Enterprise Architecture

covers the domains of Business, Process, Applications, Information and Technical Infrastructure as well as how these all interact to deliver results.

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AT A GLANCE

EA has moved from a practice for elite multinationals and governments to an essential tool in business planning, transformation and governance. It connects and aligns strategy with initiatives and IT Systems, information and infrastructure. EA covers the domains of Business, Process, Applications, Information and Technical Infrastructure as well as how these all interact to deliver results.

It aids in understanding current status, quick interventions that can deliver short term benefits, lowering risk, transformation of the organisation to meet challenges and realise long term goals as well as providing a platform for good governance.

In addition, cross cutting concerns of risk, cost and quality of delivery are often addressed to ensure that these receive attention across the board. Enterprise architects, particularly those certified in TOGAF®, are in great demand worldwide and frequently command salaries close to those of the CIO.

ABOUT THE OPEN GROUP

The Open Group is a worldwide collaborative of end user organisations and I.T. product and service providers that promotes standards to facilitate achieving benefits and ease of interoperability within and between organisations. Following early work funded by the US Government, a series of standards was evolved, with significant input from many industry contributors ultimately resulting in TOGAF® – now at release 9.

ABOUT TOGAF®

TOGAF® is the most widely adopted EA framework and methodology today: in government, private industry and non-profits. It draws on rich contributions from the Open Group's many members over more than a decade. It provides guidance in the establishment of an EA capability in an organisation, scoping EA activities, performing EA related projects and managing the outcomes into the delivery stage. The Open Group administers a certification programme whereby successful attendees on accredited courses can become certified and registered TOGAF® Architects. This is an *international* qualification which is highly sought after. Research into positions advertised shows that TOGAF® certification is increasingly required and can add as much as US\$10 000 or EUR 7 000 per year to an architect's remuneration package.

TOGAF® comprises a number of components, including:
a comprehensive Architecture Development Method (ADM);
A Standards Information Base;
a number of Reference Models and the concept of
managing the Enterprise Continuum – a repository of useful architectural building blocks and

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solutions.

ABOUT TOGAF®

TOGAF® Version 9 Enterprise Edition represents an industry consensus framework and method for Enterprise Architecture that is available for use internally by any organization around the world, both members and non-members of The Open Group alike but subject to license conditions. For more information about TOGAF® 9, please visit The Open Group. Version 9 represents a major extension for TOGAF®, addressing not only what architecture should comprise, but how to make it work in the enterprise.

TOGAF® 9 offers the means for uniting different methodologies in business planning, IT architecture and project management under one common framework. TOGAF® 9 delivers detail on how organisations can incorporate the framework within their internal processes to achieve better alignment IT with business needs. In addition, TOGAF® 9 Architecture Development Method (ADM) shows how this framework can be applied to specific situations such as service oriented architecture (SOA) and security architecture. The new Architecture Content Framework includes a detailed content meta model that formalises the definition of an Enterprise Architecture and establishes clear links between business and IT objects.

White Papers from The Open Group for more information on this issue :-

1. TOGAF 9: Introduction
2. TOGAF 9: Migration Overview

FACULTY



JON MCLEOD

Jon is a Principal Consultant with extensive professional experience in Enterprise Architecture, IT Strategy and IT Governance. He has successfully executed Solution Architect roles on major international projects. He has worked in private and public sector organisations and has recent experience in banking and finance, insurance, leasing and energy. Jon is able to diplomatically arbitrate multiple interests to create consensus in challenging IT decision processes. He articulately communicates the benefits of enterprise architecture and governance to business and IT stakeholders.

His experience in software development and solution architecture allows him to identify risks implicit in technology platforms, solutions and architectures. Jon is able to explain these risks to business and IT stakeholders in a way that enables identification of strategic options. Jon is an Open Group certified TOGAF® 9 trainer.

One of Jon's select achievements - Aurora Energy - Principal Consultant, directly responsible to CIO, led a team of four consulting architects delivering:

- IT Strategic Plan
- IT Capability Assessment
- IT Governance and Project Gating processes and templates
- Establishment of internal enterprise architecture capability, including mentoring customer staff
- Development of Baseline and Target Architectures
- Multi-user enterprise architecture repository and modelling capability
- Three-year planning roadmaps for infrastructure and business applications
- Business Domain Strategies
- Architecture and project review of Retail Customer Contestability Programme.

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JAMES FRANCIS

James came to Australia from England at 15, trained in Electrical Engineering and cut his teeth as an industrial engineer on production process and technology innovation in large scale manufacturing for Olympic Cables. Often presenting at C-level, he learned early the driving principle that business strategy, will, and capital are essentials for any effective business innovation.

Ambition led James to consulting with NCR and three years later Olympic invited him back to lead the CIM (Computer Integrated Manufacturing) transformation of the company – cut short by the merger with Nylex.

James' capabilities

- Facilitator opening the path to acknowledgement of common ground and differences, even in difficult circumstances, for negotiation, consensus and concerted action.
- Dealing, communicating and planning at senior executive level to achieve shared goals.
- Thinking through the complex to the essential, clarifying ideas and expressing them coherently. A generalist with broad understanding and deep analytical skills.
- Mentor with empathy and rigour to build confidence and inspire creativity.
- Communicator and presenter with a style that is clear, engaging, challenging and motivating
- TOGAF® trainer delivering and facilitating engaging learning experiences.

PHILOSOPHY OF THE COURSE

TOGAF® is a good method and provides generic guidance to most aspects of EA. This course brings the philosophy, principles and value of TOGAF® to students in a practical way.

Develop an overall and detailed understanding of the Architecture Development Method (ADM)

COURSE OVERVIEW

The course covers the body of knowledge required for TOGAF® 9 certification. Successful candidates, after examination, will be registered via the Open Group as certified TOGAF® 9 Architects, becoming part of a select international community.

Advantages of this course include:

Training that goes beyond the typical TOGAF® certification course which just covers the body of knowledge from the TOGAF® manual;

Instructors are EA experts who have delivered results by working on real client projects; and

The course covers all facets of Architecture Development Method and Framework and as such all types of Architects will benefit.

COURSE FORMAT AND STRUCTURE

The formal part of the course is four full days. The course is classroom taught by a highly experienced instructor skilled in both EA and teaching.

COURSE OBJECTIVES

At the end of this course, delegates should be able to:

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- Understand the new concepts introduced to TOGAF® in version 9
- Understand the business rationale behind Enterprise Architecture and TOGAF®
- Have an understanding of the overall structure and contents of the TOGAF® 9 document and the key subject matter content
- Have an overall and detailed understanding of the Architecture Development Method (ADM) development cycle and all the phases that make up the cycle including for each phase:
 - Objectives and approach to the phase
 - Inputs to the phase
 - Steps
 - Outputs / Deliverables
- Be able to use the techniques defined for use in Architecture development including:
 - Stakeholders involved and their role, concerns, views and viewpoints
 - Architecture Principles and Architecture patterns, views and viewpoints
 - Business Scenarios, with goals & objectives
 - Planning and analysis techniques
- Interoperability
 - Assessing & Readiness of the business
 - Managing risk
- Understand the guidelines for adapting the ADM processes:
 - For SOA, and Security considerations
 - Adapting for iterations and different enterprise levels
- Gain a sound understanding of the Architecture Content Framework and the purpose / content of each of the elements including:
 - Content Meta-model
 - Architecture building blocks & their relationships to the ADM
 - Architecture Artefacts
 - Architecture Deliverables
- Understanding of the Enterprise Continuum and the Architecture Repository, including:
 - Contents of the Architecture Repository
 - Make-up of the Enterprise Continuum, including the Architecture and Solutions Continuum
 - Architecture Partitioning
- Have a detailed understanding of the concepts, taxonomy and graphical representations of the TOGAF Reference Models and their application, including:
 - Foundation Architecture
 - Technical Reference Mode (TRM)
 - Integrated Information Infrastructure Reference Model (III-RM)
 - Applications and Service
 - Qualities
 - Understand boundary-less information flow
 - The Standards Information Base
 - Core meta-model concepts
- Understand how to establish an architecture capability
- Understand how to set up / run an Architecture Board
- Have an understanding of:
 - Architecture compliance and contracts
 - Architecture governance and processes / role within TOGAF® ADM
 - Architecture maturity assessments / models
 - Need for and make-up of Architecture skills framework
 - Tools, techniques & methods for architectural development

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Key Learning Points

Attending this Course will enable you to :-

1. understand new concepts introduced in TOGAF® 9
2. understand the rationale behind employing Enterprise Architecture and using TOGAF® 9
3. have a detailed understanding of the development cycle and the techniques for architecture development.

TOGAF® 9 has extended the coverage of TOGAF into the business space, added a meta model, introduced a Content Framework and better defined deliverables and skill requirements.

COURSE PREREQUISITES

Successful candidates can come from a wide variety of backgrounds and experiences. We do not exclude any delegate who is strongly motivated to do the course, so there are no strict prerequisites. We do not recommend the course for junior personnel. You should have at least 5 years working experience or University level qualifications and have had exposure to I.T. and business.

The purpose of certification to Level 2 is to provide validation that in addition to the knowledge and comprehension of Level 1, you are able to analyse and apply this knowledge.

Candidates should already have, or be motivated to move into, a role which requires enterprise level architectural thinking and responsibility.

No pre-requisite for this certification
no pre-reading requirement

COURSE WORKLOAD

The core course content is covered during the full day sessions. The daily sessions are intensive and delegates are expected to attend full time.

COURSE ASSESSMENT

Students will learn by experience and assessment of others. To complete the course, delegates are required to :-

Attend the full course

Actively participate in any discussion or exercise given.

Assessment is by observation of individual and group work output.

To complete registration, following the successful completion of instruction (as above), candidates must sit and pass an independent online examination administered by Prometric on behalf of the Open Group (exam costs are not included in the course price). This can be done at the conclusion of training or scheduled later at the candidates choice.

The exam is the combined TOGAF® 9 Part 1 and 2 exam.

Part 1 is closed book and covers the essential body of knowledge required to achieve TOGAF® foundation registration.

Part 2 is open book (an online reference is provided) and entails the application of the knowledge in case study type scenario questions. The answers to both sections are multiple choice, but the Part 2 questions require a knowledge beyond the facts.

The course will prepare you for the Level 1 - Foundation AND Level 2 - Certified exams.

For more details, visit www.flip-side.biz/EAtogaf.htm

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The purpose of certification to TOGAF® Level 1 is to provide validation that you have gained knowledge of the terminology, structure and basic concepts of TOGAF® 9 and understand the core principles of Enterprise Architecture and TOGAF. The learning objectives at this level focus on knowledge and comprehension.

The purpose of certification to Level 2 is to provide validation that in addition to the knowledge and comprehension of Level 1, you are able to analyse and apply this knowledge. The learning objectives at this level focus on application and analysis, in addition to knowledge and comprehension. Passing Part 1 and 2 is required for registration as a Certified TOGAF® 9 Architect.

TARGET AUDIENCE

1. Those who require a deeper understanding of TOGAF® 9
2. Those working in an organisation where TOGAF® 9 has been adopted and who need to participate in architecture projects and initiatives
3. Architects responsible for developing architecture artifacts or who want to introduce TOGAF® 9 into their practice.

Typical candidates would include those already working in the EA discipline and wanting to achieve an internationally recognised qualification. Others would be currently working in a senior I.T. or business analysis capacity and wanting to move into an EA role. Those who have had previous exposure to management (including program, project and portfolio management) and to modeling techniques (as used in business, information and systems analysis) will typically be at an advantage. I.T. managers and CIO's who need to initiate or manage an EA function will also benefit tremendously. Finally, consultants in outsourcing, ERP implementation and technology infrastructure advisory roles will also benefit.

DETAILED CURRICULUM

Module 0 | Welcome

- The Basics
- Our Training Roadmap
- Team Skills
- Learning Goals for This Week
- Our Approach to Teaching TOGAF
- About the Certification Exam
- Course Goals
- Consumer Warning
- The Manual – PDF Version
- Downloads
- A Common Question About TOGAF
- About Enterprise Architects
- LinkedIn
- TOGAF® is ...
- Politics v Democracy
- CEO Talking About Architecture Reference Models?
- Defining Enterprise Architecture
- Managing Architecture Knowledge
- What the Business Wants from Architects
- Managing Architecture Knowledge: The Challenge
- Opportunity - Managing Architecture Knowledge
- We have the same challenges as “real” architects

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Enterprise Architecture is often described as “Town Planning”
Without Creating a “Winchester House”?

Current State

What should be happening?

Projects and the Architecture Repository

What does the future look like?

Business Strategy

IT Strategy

Enterprise Architecture

Programme / Project Management

Module 1 | Introduction

Course Introduction

TOGAF® – Most Basic Definition

About The Open Group

Open Group Corporate Membership

The TOGAF® Architecture Forum

“Common Language”

Why TOGAF®?

“Frameworks” and “Methods” – An Industry

Enterprise Architecture Frameworks

Industry Architecture Frameworks

And another one ...

TOGAF® and Other Frameworks

EA = Innovation Governance

About the Training Course

About the Exams

The Prometric TOGAF® Exam

TOGAF® 9 Structure

TOGAF® Consists of 7 Major Parts

TOGAF® 9 Course Structure

Structure of the Training

Review

Module 2 | Basic Concepts

Definitions - Enterprise, Federated

Definitions - Architecture

Enterprise Architecture Concepts

- Key Definitions
- Purpose of Enterprise Architecture
- Benefits of Effective Enterprise Architecture
- What is an Architecture Framework?
- Architecture Repository

TOGAF® as an Architecture Framework

Who would benefit from using TOGAF®?

TOGAF® Architecture Framework - Using TOGAF with other Frameworks

TOGAF® Architecture Domains

What does Business Architecture look like?

- Example Architecture Views
- Business Architecture
- “Financial Architecture”

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- Business Process Maps
- TOGAF® Document Categorisation Model
TOGAF® Architecture Framework - TOGAF® Document Categorisation Review

Module 3 | Overview of TOGAF® 9 Architecture Development Method (ADM)

TOGAF® 9 Structure - The Architecture Development Method (ADM)

Key Learning Points

Overview of the ADM

Output and Versioning

Overview of the ADM - Versioning

Objectives of ADM Phases

- Preliminary Phase
- Phase A - Architecture Vision
- Phase B – Business Architecture
- Phase C – Information Systems Architectures
- Phase D – Technology Architecture
- Phase E – Opportunities and Solutions
- Phase F – Migration Planning
- Phase G – Implementation Governance
- Phase H – Architecture Change Management
- Architecture Requirements Management

Overview of the ADM

Adapting the ADM

Architecture Development

- Scoping the Architecture
- Architecture Governance Framework
- Governance and the ADM

Architecture Integration

Meta-Architecture Frameworks

Architecture Development

- Scoping the Architecture
- Progressive Architecture Development
- Adapting the ADM

Module 4 | The Content Architecture Framework

TOGAF® 9 Structure - Architecture Content Framework

Architecture Work Products

- Deliverables
- Artefacts
- Building Blocks

Architecture Definition Document (ADD)

Architecture Content Meta Model

- Mapping to Architecture Development Method (ADM)

Core Content Meta Model - Entities and Relationships – Most Basic

Content Metamodel - Core and Extension Content

Extended Content Meta Model - Showing Extension Categories

The Extended Content Meta Model - As Implemented in an Architecture Tool

Content Metamodel

“Derived Relationships”

Meta Models Galore! There is no single “standard”

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Constructing a Business Architecture View Using the TOGAF® Content Meta Model
Meta Model > Tool > Artefact - How it works in practice
Architecture Content Framework Architectural Artefacts
Content Metamodel IEEE 1471
Architecture Content Metamodels
Key Artefacts in ADM Phases
Zachman Framework - Compare and Contrast with TOGAF® Meta Model

Module 5 | The Enterprise Continuum

TOGAF® 9 Structure - Enterprise Continuum
Enterprise Continuum - Concepts
The Enterprise Continuum - A “view” into your Architecture Repository
Enterprise Continuum - Relationships
The Architecture Continuum
The Solutions Continuum
The Architecture Continuum
An Example of a Foundation Architecture - The Technical Reference Model (TRM)
TRM Decomposed
Architecture Continuum

- Common Systems Architecture Example - Security
- Common Systems Architectures (CSA)
- Industry Architectures
- Organisation-Specific Architectures
- Example: Organisation-Specific Architecture

The Solutions Continuum

- Foundation Solutions
- Common System Solutions
- Industry Solutions
- Organisation-Specific Solutions

Module 6 | Artefacts, Deliverables, Building Blocks

Deliverables, Artefacts, Building Blocks
Architecture Deliverables
Examples of Architecture Deliverables
Architectural Artefacts
Architecture Artefacts in ADM
Building Blocks

- General Characteristics
- Principles
- Entities and Relationships within the Core Content Metamodel
- Deliverables, Artefacts and Building Blocks
- Building Blocks In Architecture Design
- Building Block Design
- Architecture Building Blocks (ABBs)
- Solution Building Blocks
- ADM Phases Where Building Blocks are Identified

Module 7 | Stakeholders, views and viewpoints

Definitions
Views and Viewpoints IEEE 1471
Stakeholder Concerns, Views, Viewpoints

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Stakeholders

- Identify Stakeholders
- Stakeholder Management
- Extract - Template Stakeholder Map
- Benefits of Effective Stakeholder Management
- Stakeholder Management – Approach

Viewpoints And Views

- Example Viewpoint And View
- Developing Views In The ADM- Example of Views
- Recommended Architecture Views
- Viewpoints and Core Content Metamodel w Extensions

Module 8 | Architecture Patterns

Architecture Patterns

Architecture Patterns - Content of a Pattern (1)

Business Pattern Analysis

Patterns for e-Business

Business Patterns

Patterns for Enterprise Architecture (!)

Are there anti-patterns for EA?

Module 9 | Architecture Partitioning, The Architecture Repository and Tools

Architecture Partitioning

- Rationale and Approach
- Summary Classification Model for Solutions
- Summary Classification Model for Architecture Landscapes
- Baseline and Target Architectures > Architecture Landscape
- Solution Architectures go into the Reference Library
- Characteristics of Solutions
- Characteristics of Architectures
- Creating Partitioned Architectures in the Enterprise Continuum
- Architecture Landscape
- Architecture Reference Models (Enterprise Continuum)
- ADM Aligned with Standards
- The ADM enables “partitioning” of architectures
- Allocation of Teams to Architecture Partitions

Architecture Repository

- Overview
- Architecture Meta Model
- Architecture Capability
- Architecture Landscape
- Standards Information Base (SIB)
- Standards Information Base (SIB) Standards Classification
- Reference Library
- Governance Log

Tools for Architecture Development

SOA Consortium - Business Architecture Repository

Module 10 | Architecture Capability Framework

Establishing an Architecture Capability

Capabilities for the Architecture Function

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Establishing an Architecture Capability

- EA Operating Model / Charter / Strategy / Business Case
- Using the ADM – Phase A: Architecture Vision
- Using the ADM – Phase B: Business Architecture
- Using the ADM: Phase C – Information Systems Architecture
- Using the ADM
- Mature Architecture Capability

Architecture Contracts

- Contract between Architecting Function and Business Users
- Statement of Architecture Work
- Implementation Contract
- Relationship to Architecture Governance

Architecture Maturity Models

- Capability Maturity Models Integration (CMMI)
- Capability Maturity Assessments
- US DoC ACMM Framework

Architecture Skills Framework

- An Enterprise Architecture Practice
- Proficiency levels
- Example: SFIA
- Role of EA – Gartner View
- TOGAF® Architecture Skills Framework
- Typical Roles
- Architecture Skills
- Need for an Architecture Skills Framework

The 10 Architecture Capabilities

Module 11 | Architecture Governance

Architecture Governance

- Definitions
- Supports All Other Governance Processes
- Conceptual Structure
- What is Architecture Governance?
- Nature of Governance
- Characteristics of Governance
- Technology Governance
- IT Governance
- Enterprise Architecture and COBIT
- Definition

“Your Governance Model”

Architecture Governance Framework - Governance Framework and TOGAF®

Architecture Governance in Practice

- Governance Log
- Effective Architecture Governance

Phase G: Implementation Governance

The Role of the Architecture Board

- Responsibilities of the Board

Operation of the Architecture Board - Set up of Architecture Board

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Module 12 | Architecture Compliance and Risk Management

Architecture Compliance

- Levels of Architecture Conformance
- Architecture Conformance
- Effective Architecture Governance
- Project Impact Assessments

Architecture Compliance Reviews

- Goals
- Timing
- Conduct
- TOGAF® Review Checklists
- COBIT Domains
- Review Guidelines

Risk Management

- Types of Risk
- Risk Assessment
- Mitigation of Risk
- Sample Risk Identification and Mitigation Assessment Worksheet
- Risk Monitoring

Module 13 | Architecture Principles

Characteristics of Principles

Components of Architecture Principles

Developing Architecture Principles

- Principles Should Enable Decisions To Be Made
- Qualities of Principles

Architecture Principles

- Recommended Format

Applying Architecture Principles

- Define The Principles Governance Process

Examples of Architecture Principles

Module 14 | Preliminary Phase

TOGAF 9 Structure – ADM

Preliminary Phase

- Objectives
- Approach
- Approach – Organisational Scope
- Approach – Requirements for Architecture Work
- Approach – Request for Architecture Work
- Approach – Principles
- Approach – Management Frameworks

Preliminary Phase - Relationships with Other Frameworks

Inputs to Preliminary Phase

Steps in Preliminary Phase

- Scope Enterprise Organisations Impacted
- Confirm Governance and Support frameworks
- Define the Team and Organisation
- Establish Architecture Principles
- Select and Modify Architecture Framework
- Implement Architecture Tools

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- Set up EA Team Identify, Assign and Confirm Participants
- Security Architecture Style
- SOA Style in the Preliminary Phase

Outputs from Preliminary Phase

Organisation Operating Model Types

Exercise - History of Enterprise Architecture

Exercise - Architecture Maturity

Module 15 | Business Scenarios

TOGAF® 9 Structure - ADM Guidelines & Techniques

Business Scenarios

Example Business Scenario Names

Business Scenarios

- A GOOD Business Scenario
- Benefits

Developing Business Scenarios

- Process for Creating a Business Scenario
- Detailing the Process- Development Phases
- Contents of the Business Scenario
- Contributions to the Business Scenario

The Business Scenario - Using Use Case Models

Business Scenarios and the TOGAF® ADM

Guidelines

- Developing Business Scenarios
- Business Scenario Documentation
- Goals and Objectives
- Examples of Goals (High-level)

Module 16 | Phase A : Architecture Vision

Phase A: Architecture Vision

Phase A: Goals and Objectives

- Objectives
- Creating the Architecture Vision

Phase A – Architecture Vision

Inputs to Phase A

Phase A: Steps

Phase A: Outputs

Follow Your Strategy

Module 17 | Architecture Implementation Support Techniques

Business Transformation Readiness Assessment

Capability-Based Planning

- Capability Increments & Dimensions
- Capability Dimensions
- Capability Increments

DOTMLPF

POSTEDFIT

TEPID OIL

Gap Analysis

- Steps
- Example: Gap Matrix (Capability Level)

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- Scoring the Intersection of the Gap Analysis
- Gap Assessment - Example: Enterprise Level Gap Assessment
- Interoperability Across Business Architectures is Critical
- Interoperability Requirements
- Interoperability
 - A Major Concern to Enterprise Architects
- Migration Planning Techniques
 - Implementation Factor Assessment and Deduction Matrix
 - Consolidated Gaps, Solutions and Dependencies Matrix
 - Architecture Definition Increments Table
 - Architecture Definition Increments
 - Enterprise Architecture State Evolution Table
- “Roadmap”
- Business Value Assessment
 - “Heat Maps”
 - “RAG” Analysis: Red, Amber, Green

Module 18 | Phase B : Business Architecture

Phase B: Approach- Business Architecture

- Inputs to Phase B

Phase B: Steps

- Security Adaptations

Phase B: Outputs

Module 19 | Phase C : Information Systems Architecture

Phase C - Objectives

Phase C – Approach

- Design > Implementation
- Creating the Information Systems Architecture

Inputs to Phase C

Steps for Data Architecture

Steps for Applications Architecture

- Security Adaptations – Phase C

Phase C: Outputs

- Target Data and Applications Architecture
- Draft Architecture Requirements Specification

Module 20 | Foundation Architecture. Technical Reference Model (TRM)

TRM Overview

- High Level Breakdown

TRM Graphic

Application Software

- Business Applications
- Infrastructure Applications

Application Platform

- Interface

Communications Infrastructure - Interface

TRM Taxonomy

- Data Interchange Services
- Graphics and Imaging Services - 1 International Operation Services - 2 Location and

Directory Services - 3- Network Services

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- Operating System Services - 1 Software Engineering Services - 2- Transaction Processing Services - 1 User Interface Services- 2- Security Services
 - System and Network Management Services
- TRM Qualities
- Application Platform Service Qualities

Module 21 | Integrated Information Infrastructure Reference Model (III-RM)

II-RM Overview

- Boundary-less Information Flow
- The Need for Integrated Information Infrastructure

III-RM Reference Model

- III-RM High-level View

Types of Business Applications

- Types of Infrastructure Applications
- Application Platform
- Interfaces
- Qualities
- III-RM in Detail

III-RM Application

- Business Applications
- Management Utilities
- Silos Of Application
- Based Information
- Information Provider Applications
- Brokerage Applications
- Information Consumer Applications
- Development Tools
- Business Modelling Tools
- Design Modelling Tools
- Implementation And Construction Tools
- Management Utilities
- Application Platform
- Location And Services
- Workflow
- Specific Services - Workflow
- Qualities

Module 22 | Phase D : Technology Architecture

Phase D: Technology Architecture

- Objectives

Phase D: Approach

- Considerations for Defining the Technology Architecture

Phase D: Technology Architecture

Inputs

Phase D: Technology Architecture

- Steps
- Security
- Outputs
- Target Technology Architecture v 1.0

Technology Architecture Example

- UML Deployment Diagram

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Module 23 | Phase E : Opportunities and Solutions

Phase E - Objectives

Phase E – Approach

- A Phased Approach

Inputs to Phase E

Phase E: Steps for Opportunities & Solutions

- Security

Phase E: Outputs

Module 24 | Phase F : Migration Planning

Phase F – Migration Planning Example

Phase F – Migration Planning

Phase F - Objectives

Phase F – Approach

ADM Phase F: Migration Planning

- Data-Driven Development Sequence
- Example: Application Complexity v Value

Inputs to Phase F

Phase F: Steps for Migration Planning

- Implementation and Migration Plans
- Security

Phase F: Migration Planning

Phase F: Outputs

- Implementation and Migration Plan
- Architecture Definition Document
- Transition Architectures

Module 25 | Phase G : Implementation Governance

Phase G - Objectives

Phase G – Approach

Inputs to Phase G

Phase G: Steps for Implementation Governance

Security Adaptations

Phase G: Outputs- Change Requests

Module 26 | Phase H : Architecture Change Management

Phase H – Objectives

Phase H – Approach

EA Governance / Lifecycle Example

Determining ‘Architecture Significance’ of Proposed Changes

Inputs to Phase H

Phase H: Architecture Change Management

Steps

Security Adaptations

Module 27 | Architecture Requirements Management

Architecture Requirements Management

Architecture Requirements Management Inputs

Steps for Architecture - Requirements Management

Architecture Requirements Management

For more details, visit www.flip-side.biz/EAtogaf.htm

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Outputs
Security

Module 28 | Applying Iterations and Levels to the ADM

Applying Iterations and Levels to the ADM

Applying Iteration to the ADM

Iteration as a Concept

Examples

Sample Iteration Cycles

Iterating through a Single Cycle of the ADM

Original TOGAF® 9 Style

Outsource Style

Applying Iteration to the ADM Applying Iteration cycles to the ADM

Iteration and the ADM

ADM at Different Enterprise Levels

The Need to apply ADM at Multiple levels

Classification Model for Architecture Landscapes

Classes of Architecture Engagement

Developing Architectures at Different Levels

Iterations within a Single ADM Cycle

Using a Hierarchy of ADM Processes

Module 29 | Security Architecture and the ADM

Security Architecture and the ADM

Security Architecture Characteristics

Security Architecture Considerations

Security Adaptations Across ADM Phases

Architecture Requirements Management

Preliminary Phase

Phase A: Architecture Vision

Phase B: Business Architecture

Phase C: Information Systems Architecture

Phase D: Technology Architecture

Phase E: Opportunities & Solutions

Phase F: Migration Planning

Phase G: Implementation Governance

Phase H: Architecture Change Management

Module 30 | Adapting the ADM for SOA

SOA as an Architectural Style

SOA Communities

Business-Led v Developer-Led SOA

Deploying SOA within the Enterprise

Enterprise Architecture Supports SOA

SOA and TOGAF®

Concepts

TOGAF® Concepts Mapped to SOA Terminology

Consideration to SOA in the ADM

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Module 31 | TOGAF® 9 Course Review

Your Learning Experience

II: TOGAF® ADM

III: ADM Guidelines and Techniques

IV: Architecture Content Framework

V: Enterprise Continuum & Tools

VI: TOGAF® Reference Models

VII: Architecture Capability Framework

LOCATION AND DATES

20 – 23 March 2012 | Malaysia

26 – 29 March 2012 | Singapore

MORE INFO AND REGISTRATION FEES

For more details about the TOGAF® Certification Course, course fees and to register, please contact Flipside. Considering TOGAF® Certification? Check out the 1st part of a ten part [Training Video](#) presented by Craig Martin to get more details on TOGAF® 9. Why Get Certified? Download our Justification Document.

IMPORTANT NOTE

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