



Enterprise Architecture & TOGAF™ v9

Notice:

QRS TOGAF v9 CBT program is accredited by The Open Group

The in class course is not accredited as we need the flexibility to adjust the course content to address specific needs of the organization and the students

What do previous course attendees have to say about our TOGAF Education programs:

“workshop helped apply TOGAF methods to a real-life Business Strategy. Excellent take away sample” Brian Yao, Architect

“now I understand how Architecture Governance enables implementation of reference architecture, these are no longer just words” Michel Levec

“... I understand TOGAF and Zachman and saw a sample architecture, but doing it on my own will still be a bit of a challenge, especially in our environment” Joanne Wood

“... I came here to learn TOGAF and going away knowing what I need to do become a good Enterprise Architect , Excellent – I have a career now” Michael Chow

Contact QRS education administrator to read all 1000+ feedback forms.

To contain IT costs and enable businesses to achieve unprecedented levels of agility, leading Information Technology Organizations are adopting an Enterprise Architecture Life Cycle approach to manage their IT Investments. An Enterprise Architecture practice that is based on industry recognized methods and staffed by trained and certified professionals is playing a vital role in this transformation.

The Open Group Architecture Framework (TOGAF™) is developed by the members of The Open Group Architecture Forum. The product is in its ninth release and is based on experience and knowledge of industry experts, academics and practitioners. Through rigorous quality assurance programs, The Open Group certifies TOGAF education programs and instructors.

QRS Distance Learning and In Class TOGAF education programs are uniquely positioned to meet the needs of working professionals. The key value drivers of these programs are:

Distance Learning:

- Key TOGAF concepts are highlighted through flash presentation
- A Video presentation that demonstrates how to apply TOGAF concepts to develop Architecture of the Enterprise.
- A practicing EA mentor is available to encourage a deeper understanding
- Access to extensive knowledge base and sample test questions

In Class Learning :

- In Class candidates have access to all the distance learning material plus
- Workshop-based learning that provides opportunity for interactive discussion and group problem solving
- The instructor is a practicing architect who will mentor students as they develop an Enterprise Architecture for their assigned projects.

What Will Participants Gain?

- Understand the key responsibilities of an architect and how to overcome common challenges to become a successful Enterprise Architect.
- Learn to analyze the business motivations for any business strategy and how to develop a total business solutions that balance costs, benefits, risks, sustainability and enterprise constraints.
- Gain insight on how to bring key IT practices together, such as Project Management , IT Operations and Organization Change Management, to define a total solution, and then to implement and exploit the new capabilities.
- Learn how to create Enterprise Reference Architectures for any architecture domain (Business, Information, Application, Infrastructure, Security) and the best practices for implementing and governing these standards.
- Learn how to mature the enterprise IT capabilities to transform IT’s role as a business partner

QRS Enterprise Architecture Education Programs

Course Name	Target Audience	Value Proposition
Executive Briefing – 2 to 4 Hrs.	CIO and IT Leadership Team, Portfolio Management and Strategic Planning	Show how QRS’s unique insights on TOGAF help close the execution gap between Strategic Intent and Delivered Results.
Program Management office - 4 to 8 Hrs.	Program Managers, Project Managers, Program Directors and Business Project Sponsors	Show how EA can accelerate projects through rapid development of accurate requirements, viable business cases and executable roadmaps.
Support Teams - 8 to 16 Hrs.	Solution development and support teams	Show how solution development and support teams can exploit EA artefacts to deliver better solutions and meet SLA commitments.

TOGAF v9 CBT

Program Outline

The primary motivation for the QRS CBT program is to expose students to fundamental aspects of the TOGAF framework in their own language so that they are better prepared for Workshop-based Enterprise Architecture education and TOGAF certification.

Languages Supported:

- English
- Chinese
- French and Portuguese (Q4.2009)

Key Features of CBT:

- Gain a comprehensive understanding of practical enterprise architecture using TOGAF concepts
- Web based delivery available at any location worldwide
- Self-paced study, accessible for six months
- Sample questionnaires and tests for self-assessment prior to the official TOGAF exam
- Access to practicing Enterprise Architects for online mentoring
- Access to an extensive Enterprise Architecture Life Cycle (EALC) Knowledge Base

Sample CBT Course: Introduction to TOGAF and Enterprise Architecture

www.quickresponse.ca/page2.html

My Course: From anywhere in the system, navigate to your course home page

Resources: Review the entirety of TOGAF 9 specification by module

Sample Tests: As you complete each module online, take the QRS Sample Test to gauge your understanding of the material. A score of 90% and above indicates that your chances of completing the official TOGAF Certification Exam successfully is high.

EALC Knowledge Base: review Architecture Definition Documents completed by other students

The screenshot displays the QRS TOGAF v9 CBT interface. At the top left is the QRS logo and the text 'Research Education Training Consulting'. Navigation links include 'My Course', 'Resources', 'Sample Tests', and 'EALC Knowledge Base'. On the right, user information is shown: 'Student Name: Jason Uppal', 'Course ID: EAT92', and 'Mentor's Name: Jason Uppal'. There are 'About' and 'Sign Out' buttons. The main content area is a 'SLIDE - SHOW' displaying a slide titled 'Introduction to TOGAF Version 9 Enterprise Edition' with the subtitle 'Enterprise Architecture Defined'. Below the slide is a quote: 'By being inclusive with all other management frameworks, EA is a discipline that helps the Enterprise define, develop and exploit the boundaryless information flow capabilities in order to achieve the Enterprise's Strategic Intent.' by QRS, 2008. At the bottom, there is a 'Q/A with mentor' section with a 'Slide Number' input field, a 'Comments' text area, a 'SAVE' button, and a 'Questions & Answers Report' button. A 'Module List' on the right side lists eight modules: 'Introduction to TOGAF 9', 'ADM, Guidelines and Techniques', 'Content Framework', 'Enterprise Continuum', 'TOGAF Reference Models', 'Capability Framework', 'Summary and Value Proposition', and 'T8 to T9 Release Notes'.

Contact QRS Education Coordinator to get your User ID and Password

The QRS TOGAF course consists of eight major modules

As you review the online material, post your questions along with the referenced slide # to your mentor. Your mentor will respond within 24 hours. This rich body of knowledge is an excellent source of interactive learning.

Enterprise Architecture Practitioners

Outline of in Class Topics and Case Studies

Day 1 AM: Value of Enterprise Architecture and Architectural Thinking

- Review current SDLC Process and Opportunities for improvement
- Discuss concept of Requirements and their short comings in Architectural Context
- Architectural and non Architectural Constraints
- Iterative Architecture Development Concepts: Contextual, Conceptual, Logical and Physical
- Building Blocks of Enterprise Architecture Competency
- Architectural Qualities and their impact across the architectural domain
- In Class Exercise: Architecture Maturity and Business Value Model
- Architecture Viability Assessment
- Architecture Services and Role of the Enterprise Architect

Day 1 PM: Overview of Enterprise Architecture Development Frameworks and TOGAF

- Scope of Enterprise Architecture and The Open Group Architecture Framework (TOGAF)
- Relationship between EA and Zachman, PMI, ITIL, VAL IT, RISK IT, CobIT
- In Class Exercise: Architectural Thinking – develop Contextual and Conceptual Architecture Models for Business, Information , Data , Application and Infrastructure domain for a student selected Required Capability.

Day 2 AM: Overview TOGAF and ADM and Discuss Guidelines and Techniques

- Review Architectural Thinking
- TOGAF and ADM Overview
- Architecture Scoping , Partitioning and Security
- Enterprise Architecture Governance and its applications
- Stakeholder Analysis
- Architecture Context – Preliminary Phase, Contextual Level Architecture Requirements and Architecture Vision)

Day 2 PM: Architecture Definition with TOGAF and its Applications

- Architecture Definition (Business, Information , Data, Application, Infrastructure , Security , Performance Metrics and Organization Change Management)
- Gap Analysis Techniques
- Opportunities and Solutions and Role of Architecture Review Board in Architecture Definition Document approval
- Architecture Master Plan : Horizontal and Vertical Capabilities
- Case Study 1: Review and Critique a Reference Architecture - Architecture Definition Document
- Case Study 2: Review and Critique a Business Strategy - Architecture Definition Document

Day 3 AM: ADM and Enterprise Content Framework

- Review Application of ADM to Vertical and Horizontal Capabilities
- Migration Planning and role of the Portfolio and Project Management
- Architecture viability assessment
- Implementation Governance and Project Management
- Architecture Change Management and IT Service Management
- Enterprise Architecture Content Framework , Meta Model and Physical Model of an EA Repository
- In Class Exercise: Develop Business, Data, Application and Infrastructure Models at Contextual Level of detail and define an Opportunity Statement for TOGAF Based Architecture Landscape.

Day 3 PM: Enterprise Architecture for a Business Strategy (Vertical Capability)

- Business Transformation Readiness, Capability Based planning, Risk Management and Interoperability Requirements
- Discuss Capability based planning models in terms of Strategic Intent, Business Strategies and Enterprise Architecture for each strategy, portfolio Management, Implementation Governance, Post Implementation Support and Value Realization .
- Workshop 1: Develop Enterprise Architecture Roadmap from a Strategic Intent to Portfolio Management for a Horizontal Capability. Discuss Implementation Governance and Value Realization Challenges with your Case Study.

Day 4 AM: Reference Architecture (Horizontal Capability)

- Architecture Compliance
- Architecture Principles and Standards
- Enterprise Continuum
- Technical Reference Model and III-RM
- Elements of Reference Architecture and their application
- Architecture Patterns
- Workshop 2: Develop Enterprise Architecture Roadmap from a Strategic Intent to Portfolio of Initiatives for a Vertical Capability. Discuss ABB,SBB and Capability reuse Models.

Day 4 PM: Enterprise Architecture Capability Framework

- Competencies Framework for Next generation IT Organization
- Competencies and Capacity
- TOGAF Skills Framework
- The Open Group's role in skills certifications
- Career Path for an Enterprise Architect
- Next Steps - Certification and your Practice
- Program Summary
- End

Quickly Establish the Capabilities Necessary to
Define, Develop & Exploit
 the Architecture of the Enterprise



Education

Consulting

EA Repository
a software solution

Enterprise Architecture

- Enterprise Architecture and TOGAF
- Masters Certificate in Enterprise Architecture in collaboration with University of Ontario: Institute of Technology
- Enterprise Architecture for Project Management, IT Service and Organization Change Management Professionals

Governance and Risk

Fundamentals and advanced training in the following frameworks to ensure Compliance and Risk Management:

- Governance Fundamentals [eg COBIT, SOX and SAS 70]
- Strategic Planning [Val IT, COBIT and TOGAF]
- IT Risk Management [Risk IT, ITIL and COBIT]

Executive Management

- Translate the Strategic Intent into Portfolio of People / Process / Technology Investments
- Shaping and implementing the Next Generation IT Organization
- Enterprise Risk and Compliance [COBIT-based risk assessment and execution Toolkit]

Portfolio Management

- Develop Business Case and Implementation Roadmap for Strategic and Tactical Initiatives
- Provide Architectural, Project and Domain expertise and help develop and exploit the new business capabilities

IT Management

- Help Define, Develop and Exploit a Customer Centric IT Organization
- Simplify IT : Standardize and Optimize against a Service Catalogue

Define, Build and Manage a Repository of Enterprise Capabilities :

- Link Strategic Intent to current Corporate Capabilities and Gaps
- Link Master Plan to the investment portfolio to drive asset performance
- Manage and help exploit the Enterprise Capabilities throughout their life cycle
- Ensure Enterprise Governance and Compliance
- Provide consistent value communication

Industrialize TOGAF based EA Practice