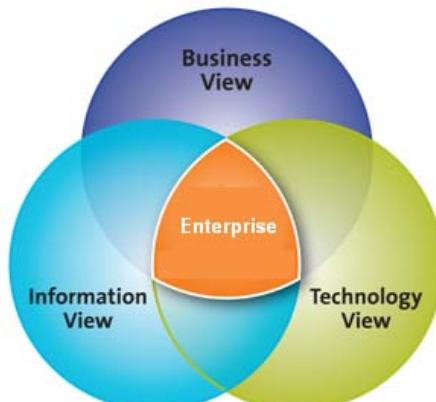


Preparation for TOGAF



Copyright © 2009-2011

THE *Open* GROUP

All rights reserved

Published in the UK, by The Open Group, 2011

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Aim of these slides

Goals

- To introduce you to the basic concepts of Enterprise Architecture (EA) and the TOGAF methodology
- To inform you about the exam process

Contents

- What is an Enterprise?
- What is Enterprise Architecture?
- What is an Architectural Framework?
- What does the Enterprise Architect do?
- A first look at TOGAF
- Certification overview

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

What is an Enterprise?

- An organisation or organisations that share common goals and information
- Can be:
 - Monolithic
 - Vertically stratified
 - Horizontally stratified
 - Federated
- May be one business or a collection of businesses

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Enterprise

- An area of common activity and goals within an organisation or between several organisations, where information and other resources are exchanged

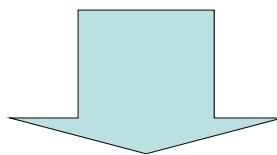
© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Enterprise \vee Organisations

An Enterprise can be made up of many organisations; each with their own objectives but who have chosen to work co-operatively to reach a common goal. To a certain extent the Enterprise Architect must appreciate how closely the organisations are coupled together from the business perspective

This lets us define the architectural landscape



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

The Architecture Landscape

Describes how the Enterprise is formed from the EA perspective

Enterprise

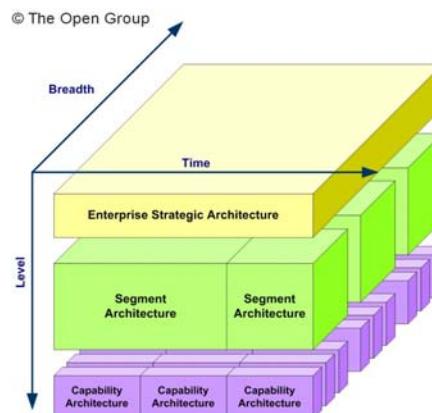
- Strategic
- Across whole enterprise

Segment

- Vertical divisions or operations

Capability

- Functional ability



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

What is Enterprise Architecture (EA)?

- A **high level** description explaining to senior management:
 - The current State of the Enterprise
 - Its proposed future states
- A means of planning the transition between these states

EA = Strategy + Business + Technology

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Enterprise Architecture (EA)

- The analysis and documentation of an enterprise in its current & future states from the integrated perspective of:
 - Strategy
 - Business
 - Technology
- An evaluation and depiction of people, processes & resources

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Modelling the enterprise

- Stakeholders have **concerns** which need to be addressed
- A collection of concerns is called a **viewpoint**
- A **view** satisfies the viewpoint
- A model describes part of the organisation in a way that meets the needs of a stakeholder
- So a view can be considered as a collection of models

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

What is modelled?

- EA usually models four domains:
 - Business processes
 - Application architecture
 - Data architecture
 - Technology architecture

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Architecture Domains

Domain	Covers ...
Business Architecture	Business strategy, governance, organisation, key business processes
Data Architecture	Structure of the organisation's logical and physical data assets Data management resources
Application Architecture	A blueprint for the individual application systems to be deployed, their interactions, their relationships to the core business processes of the organisation
Technology Architecture	The software & hardware capabilities that are required to support the deployment of the other three architectures includes IT infrastructure, middleware, networks, communications, processing, standards

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Why?

- We model how the Enterprise is now
 - Baseline architecture
- How stakeholders want it to be
 - Target architecture
- The steps to get us there
 - Transitional architecture(s)
- This gives the enterprise a unified progression path

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

EA helps the Enterprise

- Understand the current state of the business
- Plan future directions & strategies
- Align resources to business needs
- Standardise policy
- Make decisions
- Control resources
- Avoid waste

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Integrated Governance

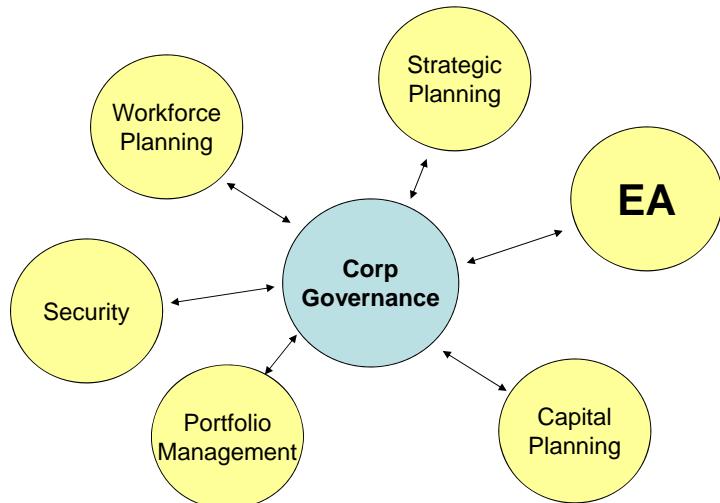
EA should form part
of the integrated
governance
performed by the
Leaders of the
Enterprise



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

EA is part of the top level corporate governance



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

What is an Architectural Framework?

- Provides a structure or workspace to perform EA
 - Common terminology
 - A process
 - Defines the components
 - Governance structures
 - EA Capability development

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

What does the Enterprise Architect do?

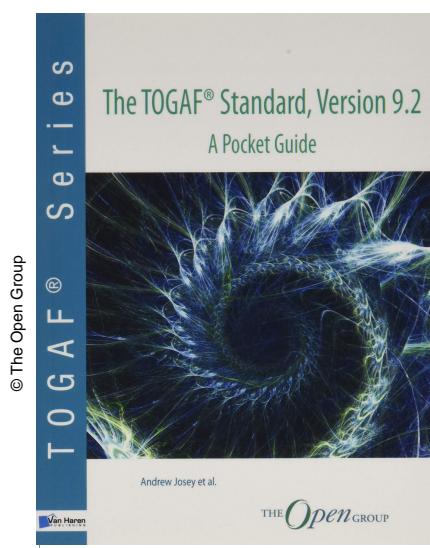
- Blue sky architecture
- Considers the **high level/ broad picture**
- Enterprise view
- Interfaces with very senior management
- Co-ordinates other architects
 - Business, Technical, Solutions
- Interfaces with delivery framework
 - PMO/ Project Managers

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

A first look at TOGAF

For an executive summary of what TOGAF is and why an Enterprise may wish to adopt it read Section 1.2 of the Delegate Handout



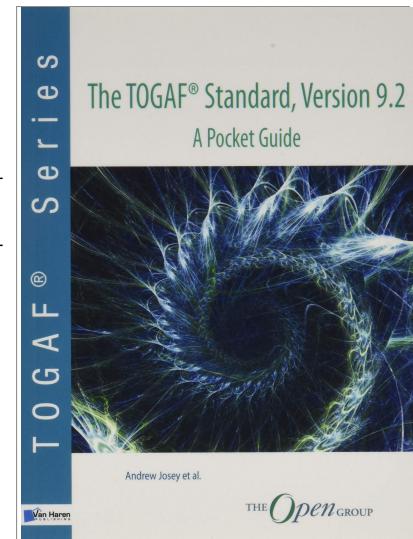
© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

The TOGAF Document

- Method described
 - In Detail
- The basis for the certification exams
- Available as free download or as a printed book

Note: You must bring a copy with you to the course



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Seven Sections

- I. Introduction
- II. Architecture Development Method (ADM)
- III. ADM Guidelines & Techniques
- IV. Architecture Content Framework
- V. Enterprise Continuum & Tools
- VI. TOGAF reference models
- VII. Architecture Capability Framework

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

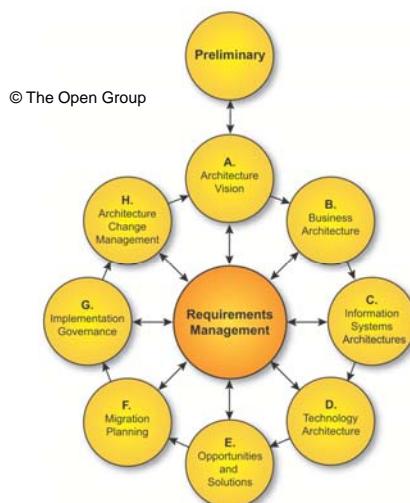
Read up

- It is important to gain an overview of what each section covers
- The information is in Section 1.1 of the Delegate Handout PDF
- Now would be a good time to flick through the full TOGAF document to start getting a feel for how it is put together. Focus on the contents section. Spend about 15-30 mins on this

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

The Architecture Development Method (ADM)



- The core of TOGAF
- A proven way of developing an architecture
- Designed to address business requirements
- An iterative method
- A set of architecture views to ensure that a complex set of requirements are adequately addressed
- Each phase includes objectives, approach, inputs, steps and outputs

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Preliminary phase

- Instigates the ADM
 - Team set up
 - Governance & oversight set up
 - Principles embraced
 - Request for Architecture work created (stating what Senior Stakeholders want the Team to accomplish)
- Triggers a cycle of the ADM

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

A: Architecture Vision

- Initiates a cycle of the ADM
- Takes the Request for Architecture Work and sketches out how this will be accomplished (Architecture Vision)
- Plans the work (for the cycle)
- Performs stakeholder engagement & assesses capability of the Enterprise to do the work and accept the change
- Creates Statement of Architecture Work as a “response” to the Request for Architecture work

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

B, C, & D: Detailed Architectures

- The Architectural Vision (the high level description of the gap that needs to be closed) is looked at in more detail across the four domains
 - B: Business
 - C: Application & Data
 - D: Technology

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

E & F: Planning the change

- E & F concern themselves with how the gaps identified in B, C & D are to be plugged.
- Identifies solutions and creates the roadmap and the Implementation & Migration plan
- Liases with programme management team who will perform implementation

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

G & H: Controlling the work

- The delivery projects are underway but the EA still needs to keep an eye on them
- Issue Architectural Contracts (to define and start the projects)
- Audit the projects
- Handle change requests and other issues

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Requirements Management

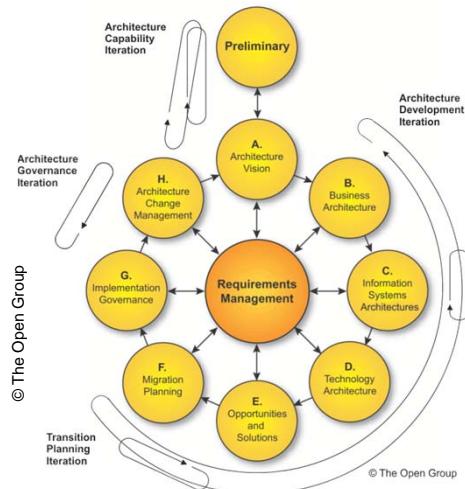
- Requirements central to the ADM
- Requirements Management:
 - stores requirements
 - Feeds them into the other phases as necessary (where they can be modified, added to or removed)
 - Collects them up at the end of the phase

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Applying Iteration to the ADM

The ADM cycle is iterative. It is possible to cycle through phases several times, groups of phases, loop back as needed



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Certification overview

- This section describes the two exams and introduces you to the exam framework
- Remember you will be taking both exams together (the Combined option)
- Don't forget to read the rules slide!



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

TOGAF Certification for People

- Ensures that individuals are knowledgeable about TOGAF
- Is a common baseline of knowledge
- Provides a visible trust mark
- Is a foundation for the emerging profession



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

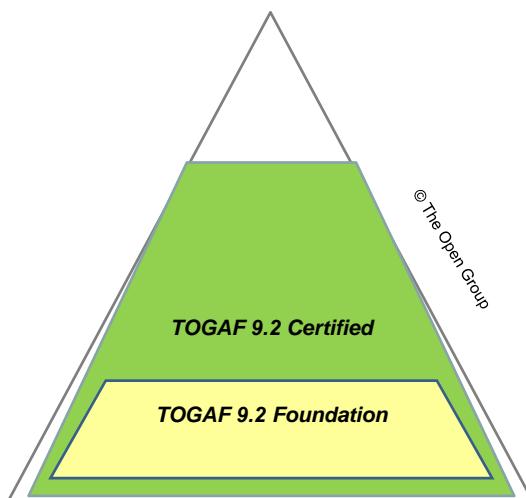
TOGAF 9.2 Certification Levels

Level	Exam	Purpose
1	<i>TOGAF 9.2 Foundation</i>	To provide validation that the candidate has gained knowledge of the terminology and basic concepts of TOGAF 9.2 and understands the core principles of Enterprise Architecture and TOGAF
2	<i>TOGAF 9.2 Certified</i>	To provide validation that in addition to knowledge and comprehension, the candidate is able to analyse and apply knowledge of TOGAF

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Level 2 is a superset of Level 1



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Level 1 exam requirements

Exam	Details
<i>TOGAF 9.2 Foundation</i>	Exam Type: Multiple Choice 40 Questions / 60 minutes Supervised: Yes Open Book: No Pass mark: 22

Note: Both exam details subject to change – always check the Open Group Website before taking the exam

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Level 1: Exam topic areas

- Basic Concepts (3 questions)
- Core Concepts (3 questions)
- Introduction to the ADM (3 questions)
- The Enterprise Continuum and Tools (4 questions)
- ADM Phases (9 questions)
- ADM Guidelines and Techniques (6 questions)
- Architecture Governance (4 questions)
- Architecture Views, Viewpoints and Stakeholders (2 questions)
- Building Blocks (2 questions)
- ADM Deliverables (2 questions)
- TOGAF Reference Models (2 questions)

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Level 2 exam requirements

Exam	Details
TOGAF 9.2 <i>Certified</i>	Exam Type: Complex Multiple Choice Scenario-based 8 Questions / 90 minutes Supervised: Yes Open Book: Yes (Electronic version supplied as part of exam interface) Pass mark: 24/40

Note: You must pass the Level 1 exam before attempting the Level 2

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Level 2: Exam topic areas

Eight questions:

- ADM Phases: Project Establishment (phases Preliminary, A, Requirements Management)
- ADM Phases: Architecture Definition (phases B,C,D)
- ADM Phases: Transition Planning (phases E and F)
- ADM Phases: Governance (phases G and H)
- Adapting the ADM
- Architecture Content Framework
- TOGAF Reference Models
- Architecture Capability Framework

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Level 2 Combined Exam

Exam	Details
<i>TOGAF 9.2 Certified</i>	<u>TOGAF 9.2 Combined Part 1 and 2</u> Exam Type: Two sections in a single exam corresponding to the TOGAF 9 Part 1 and 2 exams:

- Each section must be passed in order to obtain an overall pass mark
- If you fail a section then no certification is awarded, however you only need retake the Examination(s) corresponding to the failed section(s)
- You must wait one month before a retake

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Exam points to be aware of

- Contact your sales advisor to obtain an electronic voucher for the **Direct** (combined) exam
 - Voucher valid for approximately **one year**
- Use this voucher to book an exam slot
- Do not forget the **two** forms of ID needed to take the exam
 - See Pearson web site
- Remember all exams are subject to change
- You cannot re-sit an exam within the month
- You cannot attempt Level 2 without passing Level 1 (unless attempting Direct exam)

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Exam Booking

- You will be supplied with an exam voucher which you can redeem via the following site:
- home.pearsonvue.com/theopengroup

Contact your sales advisor for an electronic voucher valid for approx 1 year

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

Certification: Final Steps

- Within 6 working days of receipt of the exam results you will receive an email from The Open Group and be invited to login to complete your certification
- You may download and print your certificate
- You can adjust your register entry to make it public (the default is to be confidential)

© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2

And finally...

- We hope this has been useful to you
- Please finish the rest of your pre-course studies
- We look forward to seeing you on the course



© The Knowledge Academy 2021. Some diagrams as noted © The Open Group

Version 9.2