Course Outline

ProTech Professional Technical Services, Inc.

Combined TOGAF® Level 2 and ArchiMate® Level 2

Course Summary

Description

This course is based on the TOGAF Level 2 conformance requirements found in [1]. It summarizes that material, reorganizes parts of it, and combines it with ArchiMate material. Therefore, the structure of the course is based on TOGAF, and each half-day numbered session titled in blue boldface below begins with an overview that identifies the most relevant ArchiMate languages elements and viewpoints. For nearly all topics, this outline lists views based on standard ArchiMate viewpoints. These views illustrate standard TOGAF concepts and realize standard TOGAF artifacts. They are described with the viewpoints on which they are based, e.g. “Project view” for a view based on the ArchiMate Project Viewpoint. For further details on the course content, consult the References section at the end of this document.

This course prepares qualified individuals for the TOGAF Level 2 Exam and the ArchiMate Level 2 Exam.

Format This is an instructor-led course with presentations, discussion and student exercises. Students complete the exercises individually or in small groups and then review and correct the results together with the instructor. This is a 4 1⁄2 day course divided into 9 four-hour sessions.

Topics

- Getting Started
- Vision and Business Architecture
- Information Systems Architecture
- Migration Planning
- Implementation Governance and Change Management
- Process and Application Service Gaps
- Service Gaps
- Managing Scope, Requirements, Results and Reuse
- Components
- Adapting the ADM to the Challenges at Hand

Audience

This course is for practicing enterprise and solution architects who are either certified at both the TOGAF Foundation level and the ArchiMate Foundation level, or have equivalent knowledge.

Prerequisites

Before taking this course students should take ProTech’s Combined TOGAF® Level 1 and ArchiMate® Level 1 Course.

Duration

Five days

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I. Getting Started

A. Course Overview
B. Project view: Course Structure and Objectives.
C. Applicability of the ArchiMate language to TOGAF framework implementation
D. TOGAF Architecture Development Method (ADM) Preliminary Phase
E. Goal Realization view: Business Principles, Goals and Drivers
F. Organization view: Enterprise Architecture Team and Organization
G. Goal Contribution view: Architecture Principles
H. Architecture Governance
I. Business Process view: Architecture Governance Framework
J. Business Function view: Architecture Governance Framework Organizational Structure
K. Business Scenarios Technique
L. Information Structure view: Business Scenario
M. Project view: Business Scenario Development

II. Vision and Business Architecture

A. Phase A. Architecture Vision
B. Information Structure view: Business Transformation Readiness Assessment Summary
C. Introductory view: Architecture Vision
D. Actor Cooperation view: TOGAF Value Chain Diagram
E. Architecture Content Framework, including TOGAF Content Metamodel
F. Information Structure view: Content Metamodel Overview
G. Stakeholder Management
H. Motivation view: Stakeholders, their concerns, and business requirements
I. Architecture Implementation Support Techniques
J. Requirements Realization view: Interoperability Requirements
K. Phase B. Business Architecture
L. Gap Analysis
M. Product view: TOGAF Business Footprint Diagram
N. Business Architecture Building Blocks
O. Business Architecture Roadmaps
P. Implementation and Migration View: Business Roadmap

III. Information Systems Architecture

A. Phase C. Data Architecture
B. Information Structure view: Conceptual, Logical and Physical Data
C. Total view: TOGAF Data Dissemination Diagram
D. Landscape views: Baseline and Target Data Storage by Business Area
E. Phase C. Application Architecture
F. Application Cooperation view: TOGAF Application Communication Diagram
G. Application Usage view: TOGAF Process/Application Realization Diagram
H. Landscape views: Baseline and Target Application Usage by Service Line
I. Technology Architecture and Reference Models
J. Phase D. Technology Architecture
K. Infrastructure usage view: Infrastructure Usage by Applications
L. Infrastructure view: Core Infrastructure Architecture
M. Infrastructure view: TOGAF Environments and Locations Diagram
N. Reference Models
O. Layered view: TOGAF Technical Reference Model
P. Layered view: TOGAF Information Infrastructure Reference Model

IV. Migration Planning

A. Phase E. Opportunities and Solutions
B. Implementation and Migration view: High-Level Roadmap
C. Phase F. Migration Planning
D. Implementation and Migration view: Detailed Roadmap
E. Stakeholder view: Project Prioritization Drivers and Assessments

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Course Summary (cont'd)

V. Implementation Governance and Change Management
- A. Phase G. Implementation Governance
- B. Service Realization view: Business Service Deployment Blueprint with Highlighted Business

VI. Process and Application Service Gaps
- A. Implementation and Deployment view: Solution Deployment Blueprint with Highlighted
- B. Infrastructure Gaps
- C. Phase H. Architecture Change Management
- D. Product view: Required Product Changes with Highlighted Business Process and Application

VII. Service Gaps
- A. Infrastructure Usage View: Application Usage and Quality of Service Monitoring

VIII. Managing Scope, Requirements, Results and Reuse
- A. Architecture Partitioning
- B. Business Function view: Architecture Partitioning by Business Function
- C. Application Usage view: Architecture Partitioning by Application Function
- D. Architecture Requirements Management
- E. Goal Realization view: Contribution of Requirements to Goals
- F. Requirements Realization view: Realization of Requirements through Implemented

IX. Components
- A. Architecture Repository Management and Enterprise Continuum
- B. Information Structure view: Architecture Repository Content
- C. Information Structure view: Architecture Repository Implementation
- D. Business Process view: Enterprise Continuum

X. Adapting the ADM to the Challenges at Hand
- A. Iteration
- B. Project views: Architecture Capability, Architecture Development, Transition Planning and Architecture Governance Iterations.
- C. Security
- D. Motivation view: Security Drivers and Requirements
- E. Information Structure view: Data classification
- F. Service Oriented Architecture (SOA)
- G. Business Function view: SOA Governance
- H. Layered view: Open Group SOA Reference Architecture
- I. Infrastructure Usage view: Application Inter operation via an Enterprise Service Bus Developing and Assessing Architecture Capability
- J. Organizational Structure and Function
- K. Business Process view: Mature Architecture Capability
- L. Skills
- M. Organization view: Architecture Roles
- N. Information Structure view: Skill Taxonomy
- O. Maturity Models
- P. Information Structure view: Model Taxonomy
- Q. Stakeholder view: Maturity Levels
- R. Preparing for Certification Exams
- S. Course Retrospective with Open Q&A