



**DIGILEAF INC.**

*Leading Excellence Among Fellows*

## Course Outline

### Enterprise Architecture Learning Track

## ArchiMate® 2.1

This course covers how to use an enterprise architecture modeling language, ArchiMate®. This course shall enable a participant to use appropriate models within TOGAF® ADM. The discussions of the topics of this course are incorporated within TOGAF® 9.1 from conceptual to practical applications.

ArchiMate®, an Open Group Standard, is an open and independent modeling language for enterprise architecture that is supported by different tool vendors and consulting firms. ArchiMate provides instruments to enable enterprise architects to describe, analyze and visualize the relationships among business domains in an unambiguous way.

The ArchiMate modeling language has evolved to be fully aligned with the TOGAF® standard:

- By providing a vendor-independent set of concepts, that helps to create a consistent, integrated model “below the waterline”, which can be depicted in the form of TOGAF views.
- The ArchiMate® language enables modeling throughout the TOGAF® Architecture Development Method.
- The language structure of the ArchiMate Core corresponds with the three main architectures as addressed in phases B, C & D in the TOGAF® ADM.
- The extensions to the Core closely correspond with the main aspects to be addressed in the Preliminary phase, Phase A and the Central Requirements management repository, as well as Phases E, F, G and H.

### Training Objectives

At the end of the course, the participants will be able to:

1. Model Enterprise Architecture deliverables and artifacts.
2. Use appropriate notations in designing enterprise architecture models within TOGAF® ADM.

**Duration** 2 day(s)



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## ArchiMate® 2.1

### Topics

- I. Introduction to ArchiMate
- II. Language Structure
  - a) Core Concepts of the ArchiMate Language
    - i. Active Structure Element
    - ii. Behavioural Element
    - iii. Passive Structure Element
    - iv. Service
    - v. Interface
  - b) Collaboration and Interaction
    - i. Collaboration
    - ii. Interaction
  - c) Relationships
  - d) Layering
  - e) The ArchiMate Framework
- III. Business Layer
  - a) Structural Concepts
  - b) Behavioural Concepts
  - c) Informational Concepts
  - d) Example
- IV. Application Layer
  - a) Structural Concepts
  - b) Behavioural Concepts
- V. Technology Layer
  - a) Structural Concepts
  - b) Behavioural Concepts
  - c) Informational Concepts
  - d) Example

### *Topics continuation...*

- VI. Relationships and Cross-Layer Dependencies
  - a) Relationships
    - i. Structural Relationships
    - ii. Dynamic Relationships
    - iii. Other Relationships
    - iv. Example
  - b) Cross-Layer Dependencies
    - i. Business-Application Alignment
    - ii. Application-Technology Alignment
- VII. The Motivation Extension
  - a) Motivation Extension Concepts
- VIII. ArchiMate Viewpoints