



DIGILEAF INC.

Leading Excellence Among Fellows

Course Outline

Enterprise Architecture Learning Track

Designing Service-Oriented Architectures (SOA)

The course uses The Open Group Architecture Framework (TOGAF) as its core and applies its methods to the development of SOAs. This is enhanced by SOA specific developments of The Open Group and other industry recognized organizations (OASIS, OMG, W3C, etc.). These developments include reference models, maturity measuring techniques, governance approaches and other capabilities to help develop SOAs.

The bulk of the course, takes and extends The Open Group Technical Guide "Using TOGAF to Define and Govern Service-Oriented Architectures" to detail how an organization can effectively utilize SOA. It examines, from a holistic Enterprise Architecture perspective, how the concepts of SOA can provide recognizable business value to the organization by utilizing the proven techniques of TOGAF.

Training Objectives

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

1. Recognize the relationship of TOGAF and Service-Oriented Architecture.
2. Apply the SOA Assessment Model.
3. Use TOGAF for Enterprise Architecture Service-Oriented Architecture.

Who is this module for?

Potential candidates for this module are:

- Head of Divisions/Departments
- Enterprise Architects
- IT Architects
- Technology Officers

Learning Methodologies

1. Interactive Lecture/Demonstration
2. Workshops

Duration: 4 day(s)

Topics

- I. Introduction to Service-Oriented Architectures (SOA)
- II. The SOA Bandwagon
 - a) Service
 - b) Message
 - c) Dynamic Recovery
 - d) Web Service
- III. Objectives of SOA
- IV. SOA and Enterprise Architecture
- V. The Architectural Dimension of SOA
- VI. SOA Reference Architecture
- VII. Application of SOA Reference Architecture
- VIII. Architectural Building Blocks
- IX. Using TOGAF for Enterprise SOA – Preliminary Phase
- X. Service-orientation as an Architecture Principle
- XI. Implications of Service-oriented Architecture
- XII. SOA Maturity Assessment
- XIII. The Open Group Service Integration Maturity Model (OSIMM)
- XIV. Purpose of OSIMM
- XV. SOA Governance and Support Strategy
- XVI. Relationship of SOA Governance with IT and EA Governance
- XVII. SOA Governance Reference Model
- XVIII. SOA Governance Vitality Method
- XIX. Initial Architecture Repository and SOA Reference Architecture
- XX. Partitions & Centers of Excellence
- XXI. The SOA Center of Excellence (CoE)
- XXII. Service Litmus Test
- XXIII. How to Perform Service Litmus Test