Service-oriented Modeling Framework™ (SOMF™) using Enterprise Architect

Two Day Course Syllabus

DAY I

Introduction to Enterprise Architect

User Interface
- Desktop layout
- Portals window
- Visual styles
- Commonly used Views
- Workspace Layouts, Menu Sets, and Perspectives

Managing Projects
- Creating and opening Projects
- Creating Root Nodes, Views and Packages
- Adding Models using the Wizard
- Organizing Models with Views and Packages

Managing Diagrams
- Toolbox
- Creation techniques
- Menu options, properties and toolbar
- Navigation between diagrams
- Floating diagrams
- Copy/paste across diagrams

Creating Diagram Elements
- Creation techniques
- Properties
- Drag and drop

Managing Diagram Elements
- Appearance, layering, and feature visibility
- Alignment, resizing, automatic layout
- Info view

Deleting Model Elements
- Diagram level deletions
- Repository level deletions

Managing Connectors
- Creation (toolbox and Quick Linker)
- Redirection
- Advanced options
- Line bends and styles
- Virtualizing Connector ends

Managing Package Content
- Package Navigator
- Package Browser/List View

Tool Configuration

Defining People
Defining Types
Common Option Settings

COURSE LEADER

Frank Truyen

is a principal consultant and trainer, with 20+ years of experience in the IT industry as a developer, architect, consultant and manager.
Strong expertise in different modeling notations such as UML®, SoaML™, DDS™, UPDM™, ArchiMate® and BPMN™, allied with his extensive experience in using the Enterprise Architect modeling tool, allows Frank to successfully provide training and consulting services to a broad variety of customers across many industries.

Overview of SOMF

Software Assets

Service Categorization and Lifecycle

Service-Oriented Modeling Disciplines

Conceptualization
Discovery and Analysis
Business Integration
Design
Conceptual Architecture
Logical Architecture

Modeling SOMF Diagrams

Service-Oriented Conceptual Analysis

Overview
Asset Notation
Operations Notation
Examples
- Generalized
- Specified
- Expanded
- Contracted

Service-Oriented Structural Analysis

Overview
Asset Notation
Operations Notation
Examples
- Aggregation
- Decomposition
- Subtraction
- Coupling and Decoupling
- Compounded
- Unified
- Transformed
- Intersected Overlapped
- Intersected Excluded
- Clipped
- Bound and Unbound
- Cloned and Decloned

DAY 2

Business Integration

Contextual Perspectives

Segmentation, Mission, Cultural, Process, Strategy, and Tactical

Structural Perspectives

Modeling

- Overview
- Asset Notation
- Operations Notation
- Examples

Service-Oriented Logical Design

Asset Notation

Logical Design Relationship

- Overview
- Goals
- Key Drivers
- Relationship Connector Notation
- Examples

Logical Design Composition

- Overview
- Composition Beams
- Composition Styles
- Examples
  - Circular
  - Hierarchical
  - Network
  - Star

Service Transaction

- Overview
- Diagram
- Asset Notation
- Activity Connector Notation
- Examples
  - One-to-One
  - One-to-Many
  - Many-to-One
  - Many-to-Many
  - Circular
  - Hierarchical
  - Network
  - Star

Conceptual Architecture

- Overview
- Asset Notation
- Relationship Notation
- Examples

Asset Utilization

- Overview
- Asset Notation
- Relationship Notation
- Examples

Transaction Directory

- Overview
- Asset Notation
- Relationship Notation
- Examples

Core Tool Features

Generating Documentation

- Template driven RTF generator
- HTML generator
- Virtual documents
- Master documents

Searching the Repository
Managing Baselines and Comparing Models
Document Artifacts