

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

Two Day Course Syllabus

DAY I

Introduction to Enterprise Architect

Desktop Layout

- Toolbox and diagram relationship
- Hiding, docking, moving, closing and restoring windows

Managing Projects

- Creating Projects
- Creating root nodes and views
- Creating and viewing Packages
- Organizing models

Managing Diagrams

- Creating diagrams
- Diagram options and properties
- Diagram tips and tricks

Managing Hyperlinks

- Links to external files
- Links to diagrams
- Links to elements, attributes & operations
- Other links

User Interface

- Commonly used windows
- Saving & restoring custom layouts
- Keyboard shortcuts
- Getting help

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

Frank Truyen

is a principal consultant and trainer, with 15+ years of experience in the IT industry as a developer, architect, consultant and manager.

Strong expertise in different modeling notations such as UML® and BPMN™, allied with a wide experience of different modeling tools, has allowed Frank to successfully provide training and consulting services over the last decade to a broad variety of customers across many industries.



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

DAY 3

Optional Workshop

End-to-End Modeling Exercise