

# Business & Application Architecture Using Enterprise Architect 16.x or later

## Two Day Course Syllabus

### Introduction to Enterprise Architect

#### User Interface

- Desktop layout
  - Overview, Start Page, Visual Style, Portals
- Ribbons
  - Perspectives, Workspace Layouts, and ribbon configuration

#### Managing Projects

- Creating and opening Projects
- Creating Root Nodes and Packages
- Browser features
- Organizing models

#### Managing Diagrams

- Toolbox
- Creation techniques
- Options in ribbons, context menu, properties dialog and window
- Navigation between diagrams
- Floating diagrams
- Copy/paste across diagrams
- Inline Specification Manager

#### Managing Elements

- Creation techniques
- Editing properties
- Drag and drop
- Diagram only elements

#### Customizing Diagram Element Appearance

- Background color, font, image
- Layering
- Feature visibility
- Sizing and alignment

#### Deleting Model Elements

- Diagram level deletions
- Repository level deletions

#### Managing Connectors

- Creation (toolbox and Quick Linker)
- Redirection
- Line bends and styles

#### Managing Packages

- Package Navigation
- Identifying and selecting favorite Packages
- Package Browser/List View (overview)

### Tool Configuration

- Defining general types
- Personal and global configuration options

#### COURSE LEADER

## Frank Truyen

is a principal consultant and trainer, with 25+ years of experience in the IT industry as a developer, architect, consultant and manager.

Strong expertise in key modeling notations (UML®, SysML®, ArchiMate®, and BPMN™), as well as architectural frameworks (UPDM™, UAF®, SABSA®), 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.

## Modeling Business Architecture

### Managing Requirements

- Creating Requirements via a diagram
- Creating Requirements using the Specification Manager
- Other features
- Importing & exporting using Microsoft Excel
- Organizing Requirements
- Exercise**

### Structural models

- UML (Conceptual) Class diagram

### Behavioral models

- UML Use Case diagram
  - Key relationships
  - Diagram creation
  - Include and Extend relationships
  - Modeling and viewing (structured) Scenarios
  - Defining constraints
  - Tracing Requirements to Use Cases
  - Exercise**
- UML Activity diagram
  - Exercise**

## Modeling Application Architecture

### Structural models

- UML Class diagram (Attributes)
  - Diagram creation
  - Modeling relationships
  - Defining Attributes
  - Defining Stereotypes and Tagged Values
  - Exercise**
- UML Component diagram
  - Exercise**
- UML Deployment diagram
  - Exercise**

### Behavioral models

- UML Class diagram (Operations)
  - Defining Operations, Receptions, and Interfaces
  - Exercise**
- UML Sequence diagram
  - Combined Fragments
  - Exercise**

## Traceability and Navigation

Overview

The Relationships window

The Relationship Matrix

The Traceability window

Other traceability features

**Exercise**

## Optional half-day extensions to the above training course

### Option 1-

End-to-End Modeling Exercise

The online bookstore model, or a User defined model

### Option 2-

Core Tool Features

*Documentation Generation*

RTF/DOCX/PDF generator

Diagram, Package, and Element options

Linking generated documents into Microsoft Word

Model documents

Master documents

Generating HTML

Other features

**Exercise**

*Document Artifacts*

Creating

Linked Documents

External document links

Document window

**Exercise**

*Model Searches*

Initiating

Configuring

Viewing results

Custom searches

Other features

**Exercise**

*Managing Baselines and comparing models*

Creating baselines

Administering baselines

Package comparisons

Diagram comparisons

**Exercise**

## Option 3-

### Collaboration Features

- Sharing strategies
- Model data (XML/XMI) import/export
  - Understanding globally unique identifiers (GUIDs)
- Version Control
  - Setup
  - Usage
  - Other features
- Security
  - Administration
  - Usage
- Import/Export of Reference Data
- Element Discussions
- Formal Reviews

## Option 4-

### Extra tool features

#### *Diagram features*

- Automatic layout
- Element resizing
- Connector features
- Boundaries, Swimlanes, Matrix, and Kanban
- Content filters
- Notes
- Active legends

#### *Element features*

- Info View
- Element Browser
- Composite elements
- Linking notes to feature documentation
- Cloning diagrams, elements, Packages
- Time Aware Modeling

#### *Other features*

- Working Sets
- Package management
- Charts, Dashboards, and Heatmaps
- Managing Hyperlinks
- Keyboard shortcuts
- Getting help
- Glossary