

# Best Practices in Modeling Using Enterprise Architect 15.x or 16.x

## Two Day Course Syllabus

DAY 1

### 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 20+ 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**

DAY 2

## 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**

## Core Tool Features (as time permits)

### 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**