

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

Two Day Course Syllabus

DAY I

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