The Unified Modeling Language (UML®)
Using Enterprise Architect 13.x or 14.x

Two Day Course Syllabus

**DAY 1**

**Introduction to Enterprise Architect**

User Interface
- Desktop layout
- Portals
- Commonly used Windows/Ribbons
- Perspectives, Workspace Layouts, Menu, and Ribbon Configuration

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/ribbon options, context menu, properties and toolbar
- Navigation between diagrams
- Floating diagrams
- Copy/paste across diagrams

Creating Diagram Elements
- Creation techniques
- Editing properties
- Drag and drop

Customizing Diagram Element Appearance
- Color, Font, Image
- Layering
- Feature Visibility
- Layout and Alignment

Deleting Model Elements
- Diagram level deletions
- Repository level deletions

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

Managing Package Content
- Package Navigator
- Package Browser/List View (Overview)

**Tool Configuration**
- Defining general types
- Personal and global configuration options

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**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®, SysML®, 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.
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

Modeling Application Architecture

Structural models
UML Class diagram (Attributes)
  Object-Oriented principles
  Classes and Objects
  Element visibility
  Relationships
  Defining Attributes
  Adding rules and constraints
  Defining Stereotypes and Tagged Values
  Grouping elements into Packages
UML Component diagram
UML Deployment diagram

Behavioral models
UML Class diagram (Operations)
  Discovering and assigning responsibilities
  Patterns for assigning responsibilities
  Defining Operations, Receptions, and Interfaces
UML Sequence diagram
  Combined Fragments

Traceability and Navigation
Overview
The Relationships View
The Relationship Matrix
The Traceability window
Other traceability features

Collaboration Features
Sharing strategies
Model data (XML/XMI) import/export
  Understanding globally unique identifiers (GUIDs)
Version Control
  Usage
  Other features
Security
  Usage
Import/Export of Reference Data

DAY 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

Other features Document Artifacts
Creating
Linked Documents
External document links
Document window

Model Searches
Initiating
Configuring
Viewing results
Custom searches
Other features

Managing Baselines and comparing models
Creating baselines
Administering baselines
Package comparisons
Diagram comparisons