

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

Traceability and Navigation

- Overview
- The Relationships window
- The Relationship Matrix
- The Traceability window
- Other traceability features
- Exercise**

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

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