

Best Practices in Modeling using Enterprise Architect 14.x or 15.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 different modeling notations such as UML®, SysML®, SoaML™, 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
- 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

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

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

Other Tool Features (as time permits)

Project management

- Element maintenance
 - Tracking Defects, Changes, Issues, Tasks, Decisions, and Events.
- Project Issues
- Roadmap diagrams
- MDG Technology for Project Management

Test management

- Workspace
- Importing Use Case Scenarios
- Reports