

Business Process Modeling with BPMN™ 2.0 using Enterprise Architect 15.x or 16.x

Intermediate level (Two-and-a-half-day course syllabus)

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.

Introduction to BPMN

BPMN Elements and Concepts

Process

Definition

Creating a Business Process

Steps for modeling a business process

Lane and Pool Management

Exercise 1

Events

Definition

Handling Strategies

Event Types

Cancel, Terminate, None, Timer, Compensation, Conditional, Signal, Error, Link, Multiple

Start Event

Exercise 2

End Event

Intermediate Event

Exercise 3

Activities

Definition

Sub-Process

Exercise 4 (a)

Event Sub-Process

Exercise 4 (b)

Transaction Sub-Process

Ad-hoc Sub-Process

Task Types

Service, Send, Receive, User, Manual, Business Rule, Script

Exercise 5 (a)

Call Activity

Exercise 5 (b)

Standard loop semantics

Multi-Instance loop semantics

Gateways

Definition

Gateway Types

Exclusive, Inclusive, Parallel, Event-Based, Complex

Exercise 6

Lanes

Definition and properties

Mapping to Roles

Exercise 7

Items and Data

Data Object

Lifecycle and accessibility

Data Store

Property

Data Input and Data Output

Input Set and Output Set

Data Association

Exercise 8

Artifacts

Group

Text Annotation

Association

Exercise 9

Sequence Flow

Exercise 10

Collaboration Models

Pool

Participant

Partner Entity / Partner Role

Message Flow

Exercise 11

Common Elements

Category, Category Value, Error, Escalation, Item Definition, Message, Resource, Resource Role, Signal

Compensation Handling

Workflow Patterns

Normal Flow, Parallel Split, Synchronization, Splitting Flow, Exclusive Choice, Multiple Choice, Merging Flows, Discriminator, Synchronizing Join, N out of M, Looping Flow

Optional half-day extensions to the above training course

1. End-to-End Modeling Exercise/Workshop

The Change Control Board (CCB) Process, or a User defined model

2. Additional tool features

Traceability Features

Overview

The Relationships window

The Relationship Matrix

The Traceability window

Other traceability features

Documentation Generation

RTF/DOCX/PDF generator

Diagram, Package, and Element options

Linking generated documents into Microsoft Word

Model Document

Report Package

Generating HTML

Custom Documents

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