

Business Process Modeling with BPMN™ 2.0 using Enterprise Architect 13.x or 14.x

Two Day Course Syllabus

DAY 1

Introduction to BPMN

BPMN Elements and Concepts

Introduction to Enterprise Architect

User Interface

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

Managing Projects

- Creating and opening Projects
- Creating Root Nodes, Views and Packages
- Model patterns
- Project Browser Features

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
- Layout and Alignment
- Resizing

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

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.

Core Concepts

Process

Steps for modeling a business process

Event Handling and Types

- Cancel
- Terminate
- None
- Timer
- Compensation
- Conditional
- Signal
- Error
- Link

Events

- Start Event
- End Event
- Intermediate Event

Activity

- Definition, properties and rules
- Sub-Process
 - Event Sub-Process
 - Transaction Sub-Process
- Task
 - Service
 - Send
 - Receive
 - User
 - Manual
 - Business Rule
 - Script
- Call Activity
- Standard loop semantics

DAY 2

Gateway

- Exclusive
- Inclusive
- Parallel
- Event-Based
- Complex

Lanes

- Definition and properties
- Mapping to Roles

Items and Data

- Data Object
 - Lifecycle and accessibility
- Data Association

Artifacts

- Group,
- Text Annotation,
- Association

Appendix 1 - Sequence Flow

Appendix 2 - Common Elements

Category

Error

Escalation

Message

ResourceRole

Signal

Appendix 3 – Compensation Handling

Appendix 4 – Collaboration Models

Pool

Participant

PartnerEntity / PartnerRole

Message Flow

End-to-End Modeling Exercise/Workshop

The Change Control Board (CCB) Process, or

A User Defined Modeling Exercise