

The Unified Modeling Notation (UML®) using Enterprise Architect

Two Day Course Syllabus

DAY I

Introduction to Modeling

Classification of Modeling Practices
Reaching Higher Levels of Modeling Practice
Leveraging Frameworks

Introduction to Enterprise Architect

Desktop Layout
 Toolbox and diagram relationship
 Hiding, docking, moving, closing and restoring windows

Managing Projects
 Creating Projects
 Creating root nodes, views and packages
 Organizing models

Managing Diagrams
 Creating diagrams
 Diagram options and properties
 Diagram tips and tricks

User Interface
 Commonly used windows
 Saving & restoring custom layouts
 Keyboard shortcuts

Tool Configuration

Defining People
Defining Types
Common Option Settings

Modeling the Problem Space

Managing Requirements
 Requirement definition
 Creating requirements
 Importing requirements
 Organizing requirements

Use Case Management
 Definition
 Best practices
 Use Case diagrams
 Discovering Actors
 Guidelines for Creating Use Cases
 Modeling Use Case Scenarios
 Defining constraints
 Using Behavioral Diagrams to Illustrate Scenarios
 Tracing Requirements to Use Cases

Frank Truyen

is a principal consultant and trainer, with 15+ years of experience in the IT industry as a developer, architect, consultant and manager.

Strong expertise in different modeling notations such as UML® and BPMN™, allied with a wide experience of different modeling tools, has allowed Frank to successfully provide training and consulting services over the last decade to a broad variety of customers across many industries.

DAY 2

Modeling the Solution Space

Defining the Structural Model

- Object-Oriented principles
- Classes and Objects
- Element visibility
- Relationships
- Attributes
- Rules and constraints
- Stereotypes and Tagged Values
- Grouping elements into Packages

Defining the Behavioral Model

- Discovering and Assigning Responsibilities
- Patterns for Assigning Responsibilities
- Operations
- Interfaces
- Activity diagrams
- Sequence diagrams

Building Traceability

End-to-End Modeling Exercise

- The Online Bookstore Model, or
- A User Defined Modeling Exercise

Enterprise Architect Features

- Documentation Generation
- Building Searches
- Using the Forum
- Model Validation
- Other Topics (as time permits...)