

Best Practices in Modeling using Enterprise Architect

Three Day Course Syllabus

DAY I

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

Creating Diagrams

Analysis Diagrams

- Requirements
- Use Cases
- Activity
- Conceptual

Design Diagrams

- Class
- Sequence
- Composite Structure
- State Machine
- Interaction Overview

Implementation Diagrams

- Component
- Deployment

Optional Diagrams

- Communication
- User Interface
- Database schema
- XML schema
- WSDL

Building Traceability

COURSE LEADER

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

Sharing Model Elements

Sharing Strategies

XML (XMI) Import/Export

Understanding globally unique identifiers (GUIDs)

Version Control

Initialization

Private versus shared repositories

Adding a package to version control

Checking a package out

Checking a package in

Other version control features

Security

Enabling and administering security

Defining users, groups and permissions

Using package, element and/or diagram locks

Import/Export of Reference Data

Common Features

Generating Documentation

Template driven RTF generator

Legacy generator

HTML generator

Virtual documents

Searching the Repository

Discussion Forum

Managing Baselines

Comparing Models

Document Artifacts

Advanced Features

Patterns

Leveraging the GOF patterns

Creating custom patterns

Model-to-Model Transformations

Tool Customization

Defining UML Stereotypes and Tagged Values

Importing and creating UML profiles

Defining language types

Defining a template package

Optional Features

DAY 3

Project Management

- Element maintenance

- Project maintenance

Testing

- Workspace

- Importing Use Case scenarios

- Reports

Code Engineering

- Generation options

- Namespaces

- Defining local paths

- Forward engineering

- Synchronization

- Importing files and binaries

- Templates

- Build, test and run scripts

Model Validation

Model Audit

End-to-End Modeling Exercise

The Online Bookstore Model, or

A User Defined Modeling Exercise