CEPHAS CONSULTING

SPARX SYSTEMS Authorised Training Partner

Best Practices in Modeling using Enterprise Architect

Two Day Course Syllabus

DAY I

Introduction to Enterprise Architect

User Interface
- Desktop layout
- Portals window
- Visual styles
- Commonly used Views
- Workspace Layouts, Menu Sets, and Perspectives

Managing Projects
- Creating and opening Projects
- Creating Root Nodes, Views and Packages
- Adding Models using the Wizard
- Organizing Models with Views and Packages

Managing Diagrams
- Toolbox
- Creation techniques
- Menu options, properties and toolbar
- Navigation between diagrams
- Floating diagrams
- Copy/paste across diagrams

Creating Diagram Elements
- Creation techniques
- Properties
- Drag and drop

Managing Diagram Elements
- Appearance, layering, and feature visibility
- Alignment, resizing, automatic layout
- Info view

Deleting Model Elements
- Diagram level deletions
- Repository level deletions

Managing Connectors
- Creation (toolbox and Quick Linker)
- Redirection
- Advanced options
- Line bends and styles
- Virtualizing Connector ends

Managing Package Content
- Package Navigator
- Package Browser/List View

Tool Configuration

Defining People
Defining general types
Personal 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®, 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.

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Modeling Business Architecture

Managing Requirements

- Creating Requirements via a diagram
- Creating Requirements using the Specification Manager
- Other features
- Importing & exporting Requirements
- Organizing Requirements

Structural models

- UML (Conceptual) Class diagram

Behavioral models

- UML Use Case diagram
  - 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
- UML Activity diagram

DAY 2

Modeling Application Architecture

Structural models

- UML Class diagram (Attributes)
  - Diagram creation
  - Modeling relationships
  - Defining Attributes
  - Defining Stereotypes and Tagged Values
- UML Component diagram
- UML Deployment diagram

Behavioral models

- UML Class diagram (Operations)
  - Defining Operations and Interfaces
- UML Sequence diagram
  - Combined Fragments

Traceability and Navigation

Overview
The Relationships window
The Relationship Matrix
The Gap Analysis Matrix
The Traceability window
Other traceability features

Core Tool Features

Documentation Generation

- Template driven RTF generator
- Diagram and Package options
- Linking into Microsoft Word
- Model documents
- Master documents
- Generating to an Artifact
- HTML generator

Document Artifacts

- Creating
- Linked Documents
- External document links

Model Searches

- Initiating
- Configuring
- Viewing results
- Custom searches
- Other features

Managing Baselines and comparing models

- Creating baselines
- Administering baselines
- Package comparisons
- Diagram comparisons

Extra Tool Features

Diagram features

- Boundaries, Swimlanes, Matrix, and Kanban
- Content filters
- Notes
- Active legends

Element features

- Browser
- Compartments
- Replication

Tool features

- Working Sets
- Charts, Dashboards, and Heatmaps
- Managing hyperlinks
- Keyboard shortcuts
- Getting help