CEPHAS CONSULTING

SPARX SYSTEMS Authorised Training Partner

Best Practices in Modeling
using Enterprise Architect 14.x or 15.x

Two Day Course Syllabus

DAY I

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 different modeling notations such as UML®, SysML®, SoaML™, 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.

CEPHAS CONSULTING

SPARX SYSTEMS Authorised Training Partner

Modeling Business Architecture

Managing Requirements

Creating Requirements via a diagram
Creating Requirements using the Specification Manager
Other features
Importing & exporting using Microsoft Excel
Organizing Requirements
Exercise

Structural models

UML (Conceptual) Class diagram

Behavioral models

UML Use Case diagram
- Key relationships
- Diagram creation
- Include and Extend relationships
- Modeling and viewing (structured) Scenarios
- Defining constraints
- Tracing Requirements to Use Cases
- **Exercise**

UML Activity diagram
- **Exercise**

DAY 2

Modeling Application Architecture

Structural models

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

UML Component diagram
- **Exercise**

UML Deployment diagram
- **Exercise**

Behavioral models

UML Class diagram (Operations)
- Defining Operations, Receptions, and Interfaces
- **Exercise**

UML Sequence diagram
- Combined Fragments
- **Exercise**

Modeling Technology Architecture

Code engineering

Configuration (repository level, User level, other options)
Modeling conventions
Generating from Class models
Importing code files and libraries
Using the built-in code editor
Customizing the generators
Build, test, run and other scripts
Application patterns
Miscellaneous features
Exercise

Traceability and Navigation

Overview
The Relationships window
The Relationship Matrix
The Traceability window
Other traceability features
Exercise

Core Tool Features

Documentation Generation

RTF/DOCX/PDF generator
Diagram, Package, and Element options
Linking generated documents into Microsoft Word
Model documents
Master documents
Generating HTML
Other features
Exercise

Document Artifacts

Creating
Linked Documents
External document links
Document window
Exercise

Model Searches

Initiating
Configuring
Viewing results
Custom searches
Other features
Exercise

Managing Baselines and comparing models

Creating baselines
Administering baselines
Package comparisons
Diagram comparisons
Exercise