

Modeling an ArcGIS™ Geodatabase using Enterprise Architect 13.x

One Day Course Syllabus

Introduction to Enterprise Architect

User Interface

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

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/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
- Feature Visibility
- Layout and Alignment

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 People
- 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®, 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.

ArcGIS

Introduction

Creating a Workspace Model

Features

Domains

Spatial References

Toolbox Elements and Properties

Class (Abstract and Concrete)

Leveraging inheritance

Point

Polyline

Polygon

MultiPatch

MultiPoint

Table

Subtype

Coded Value and Range Domains

Fields and Indexes

Topology

Raster

Spatial Reference

Setting the default

Configuring

Relationships

Setting multiplicities

Origin and Destination Class

Notification property

Path labels

Primary and foreign keys

Many-to-many relationships

Setting catalog paths

Other Features

Show/Hide system fields

Customizing system fields

Validating the workspace model

Exporting the workspace to an ArcGIS xml schema

Importing ArcGIS models from Visio

ArcGIS to UML concept mapping

Exercise

Traceability and Navigation

Overview

The Relationships window

The Relationship Matrix

The Gap Analysis Matrix

The Traceability window

Other traceability features

Core Tool Features (as time allows)

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

Document Artifacts

- Creating
- Linked Documents
- External document links
- Document window

Model Searches

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

Managing Baselines and comparing models

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