

Modeling with ArchiMate® 3.0 using Enterprise Architect 13.x or 14.x

Three Day Course Syllabus

DAY I

Introduction to Enterprise Architect

User Interface

- Desktop layout
- Portals
- Commonly used Windows/Ribbons
- Perspectives, Workspace Layouts, Menu, and Ribbon Configuration

Managing Projects

- Creating and opening Projects
- Creating Root Nodes, Views and Packages
- Model patterns
- Project Browser Features

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 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™, 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.

ArchiMate 3.0

Overview

Motivation Elements

Stakeholder

Driver

Assessment

Exercise1

Goal

Outcome

Principle

Requirement

Constraint

Exercise 2

Meaning

Value

Exercise 3

Strategy Elements

Resource

Capability

Course of Action

Exercise 1

Business Layer

Active Structure Elements

Actor

Role

Collaboration

Interface

Exercise 1

Behavioral Elements

Process

Function

Interaction

Event

Service

Exercise 2

Passive Structure Elements

Business Object

Contract

Representation

Composite Elements

Product

Exercise 3

DAY 2

Application Layer

Active Structural Elements

- Component
- Collaboration
- Interface
- Exercise 4

Behavioral Elements

- Function
- Interaction
- Process
- Event
- Service
- Exercise 5

Passive Structure Elements

- Data Object

Technology Layer

Active Structural Elements

- Node
- Device
- System Software
- Collaboration
- Interface
- Path
- Communication Network
- Exercise 6

Behavioral Elements

- Function
- Process
- Interaction
- Event
- Service

Passive Structure Elements

- Object
- Artifact
- Exercise 7

Physical Elements

Active Structure Elements

- Equipment
- Facility
- Distribution Network

Passive Structure Elements

- Material
- Exercise 8

Implementation and Migration Elements

- Work Package
- Deliverable
- Implementation Event
- Plateau
- Gap
- Exercise 9

Dependencies across Layers

- Business-to-lower layer alignment
- Application-to-Technology alignment
- Implementation and Migration alignment

Relationships

- Structural
 - Assignment, Aggregation, Composition, and Realization
- Dependency
 - Influence, Serving, and Access
- Dynamic
 - Triggering and Flow
- Other
 - Association, Specialization, and Junction

Alignment with other Standards

- TOGAF
- BPMN
- UML
- BMM

DAY 3

Traceability and Navigation

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

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

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

Extra Tool Features (if time allows)

Diagram features

- Automatic layout
- Element resizing
- Connector features
- Boundaries, Swimlanes, Matrix, and Kanban
- Content filters
- Notes
- Active legends

Element features

- Info View
- Element Browser
- Composite elements
- Linking notes to feature documentation
- Cloning diagrams, elements, Packages
- Time Aware Modeling

Other features

- Working Sets
- Package management
- Charts, Dashboards, and Heatmaps
- Managing hyperlinks
- Keyboard shortcuts
- Getting help
- Model Views
- Glossary