Welcome to the Academy for professional Modelling from SparxSystems Central Europe

eLEARNING

Start Modelling with Sparx Enterprise Architect 16.x
Understand the structure, philosophy and basic operation of the tool

Enterprise Architect (EA) is a powerful modelling platform that is not only versatile, but also supports a wide range of modelling languages. The syntax and semantics of each language are different, but the basic operation of Enterprise Architect is always the same.
In this training, you will learn the basic structure and philosophy of the tool, as well as the first steps in creating models, which are identical for each modelling language.
This basic training is offered as eLearning and can be completed, independent of time and location, in self-study via our learning platform.

Start Modelling with Sparx Enterprise Architect 16.x plus Q&A
Understand the structure, philosophy and basic operation of the tool and consolidate with Q&A

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Basic trainings

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SysML with Enterprise Architect
Understand Systems Modelling Language and use it in the tool

In this training, you will learn to use the Systems Modelling Language (SysML) – a modelling language standardized by the Object Management Group (OMG) and derived from the Unified Modelling Language (UML) 2 – with Enterprise Architect using practical examples. Like UML, SysML is a generic language and is mainly used in systems engineering to describe the structure, behaviour and operation of complex systems.

BPMN with Enterprise Architect
Model business processes with Business Process Model and Notation

In this course, you will learn how to use Business Process Model and Notation (BPMN) in Enterprise Architect and how the implementation of BPMN differs from other process description languages. BPMN is a graphical specification language standardized by the Object Management Group (OMG) since 2005 and used in (business) informatics and process management. It provides symbols with which technical, methodological and IT specialists can model and document business processes and workflows.

DMN with Enterprise Architect
Model business decisions with Decision Model and Notation

ArchiMate with Enterprise Architect
Create business, application and technology models for enterprise architectures

ArchiMate is a language standardized by The Open Group and based on the concepts of the IEEE 1471 standard. It is an open and independent modelling language focused on representing and describing enterprise architectures. ArchiMate is widely used in industries such as information technology, telecommunications, finance, and administration. The focus of ArchiMate is to describe business, applications and technologies with predefined language elements at a higher level of abstraction, allowing a comprehensive yet manageable model of the entire enterprise to be created for different stakeholders.

NAFv4 ADMBw with Enterprise Architect
Create architectural data models for military and civilian purposes

NATO Architecture Framework (NAFv4) is a specialized modelling language for NATO Enterprise Architecture Management (EAM). ADMBw – Architectural data model of the Armed Forces – is the national version of the German Armed Forces, which omits some views of NAFv4, but adds its own. In this training, you will learn how to use NAFv4 in the national implementation in ADMBw with the Enterprise Architect tool in order to be able to create and edit project-related architectures.

Generating documents with Enterprise Architect
Generate simple and complex reports from models

Data modelling with Enterprise Architect
Get to know possibilities and automatisms for modelling data schemas

Requirements Engineering with Enterprise Architect
Organize requirements and link them to models in a comprehensible way

Threat modelling with Enterprise Architect
Identify, communicate and manage security weakness

C4-Modellierung with Enterprise Architect
Describe software architecture with context, container, components and code models

In the agile world, architecture is very often neglected or not even used at all, which leads to expensive refactoring and potentially fatal build-up of technical debt. Therefore, in this training you will learn to understand the principles of modelling and describing software architecture, address architecture roadmapping in agile development using CGI's Risk- and Cost-Driven Architecture (RCDA) and visualize, model, explore and document your software architecture using the MDG Technology for C4.

Advanced trainings

MBSE with SYSMOD and Enterprise Architect
A consistent modelling approach from the idea to the architecture

The Systems Modelling Toolbox (SYSMOD) is a pragmatic toolbox that extends the Systems Modelling Language (SysML) and provides a process model with concrete methods, roles and results. In this training, you will learn how to use the SYSMOD toolbox in Enterprise Architect and how it can be used to run Model Based Systems Engineering.

MBSE with SysML and Enterprise Architect
Deepening of the modelling language with possible modelling approaches in Model-Based Systems Engineering

MBSD with UML and Enterprise Architect
Deepening of the modelling language with possible modelling approaches in Model-Based Software Development

Extend Enterprise Architect with Automation Interface
Extend modelling platform event-based with own functions and user interfaces

In this training, you will learn the interfaces to customize and extend the functionality of Enterprise Architect. With Automation Interface, Enterprise Architect provides a programming interface that can be used to programmatically read, create and manipulate the model. Automation Interface also provides access to many of Enterprise Architect's functions, allowing you to easily incorporate them into your own functionality and thus realize more extensive automations of customer-specific processes and methods.

Model simulation with executable state machines
Generated code based simulation of state machines

Model simulation of UML/SysML behavioural models
Simulate behavioural models by interpreting model semantics

Contact
Do you have any questions?
We are happy to advise you

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