

Sparx Systems Enterprise Architect

Group Training

Training code	CGASPARXCE
Spoken Language	English
Language Materials	English
Dayparts	4
Price	€1.300,00 excl. VAT No extra costs.

What is Sparx Systems Enterprise Architect

The course Sparx Systems Enterprise Architect starts with an overview of the structure of projects with views, models, packages, diagrams, elements and connectors.

Also the most important features of Enterprise Architect are discussed such as links versus instances, requirements capturing, documentation generation, reverse engineering, database modeling and support for Model Driven Architecture.

See the below modules for more information:

Module 1 : EA Intro

- What is Enterprise Architect?
- UML Modeling Tool of Choice
- Share Models
- Capture Requirements
- Generate Documentation
- Code Generation
- Reverse Engineering
- MDA Transformations
- Model Databases
- Link EA to IDE's
- MDG Technologies

Module 2 : Requirements and Use Cases

- Understanding Requirements
- Vision Documents
- Functional Requirements
- Non-Functional Requirements
- Requirements Classification
- Use Cases and Actors
- System Context Diagram



- Identifying Use Cases
- Scenarios
- Structuring Use Case Model
- include and extends

Module 3 : Domain Modeling

- Conceptual Classes
- UML Notation and Classes
- Associations
- Roles in Associations
- Multiplicity
- Generalization and Specialization
- Aggregation and Composition
- Attributes
- Mapping to Databases
- Live Databases Connections
- Mapping to XML Schema

Module 4 : Interaction Diagrams

- Realizing Requirements
- From Analysis to Design
- Object Sequence Diagrams
- Responsibilities and Methods
- Class Responsibilities
- Class Collaborations
- Interaction Modeling
- Collaboration Diagrams
- Translate System Operations
- Diagram Notations
- Sequence Diagrams

Module 5 : MDG Technologies

- MDG Products
- MDG Technologies
- Business Process Modeling
- BPM Simulations
- Architecture Modeling
- Archimate
- Standard Models
- MDG for Testing
- SysML
- SoaML
- Gang of Four Patterns

Module 6 : MDA Transformations

- What is MDA?
- MDA Directions
- MDA Helicopter View
- Platform Models
- Basic Principles of MDA
- Building MDA Applications



- Platform Specific Model
- Marking a Model
- Model Transformations
- Generate Implementation
- Supported Languages

Who should attend Sparx Systems Enterprise Architect

The training Sparx Systems Enterprise Architect is intended for software engineers, software architects and other future users of Enterprise Architect.

Prerequisites

Basic knowledge of UML and object orientation is desirable.

Objectives

At the end of the training participants will know:

- What is Enterprise Architect
- How to align Requirements and Use Cases
- Domain Modelling
- Interaction Modelling
- MDG Technologies
- MDA Transformations

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