

Sparx Systems Enterprise Architect - Advanced

Course Summary

Description

Extending the Enterprise Architect Fundamentals materials, this course is a mix of lecture, discussion, and hands-on work that teaches students how to use more of the features of EA, including some of the value-added models, diagrams, and elements that go beyond the basic capabilities of UML (e.g., BPMN, UPDM, TOGAF).

Topics

- Creating MDG Technologies for domain specific modeling
- Execution of Behavior Models
- Scripting
- Model transformation and code generation

Audience

This course is intended for those in software engineering, systems engineering, and business process or analysis.

Prerequisites

Students should have completed Sparx Systems Enterprise Architect Intermediate or have equivalent experience.

Duration

Three days

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Course Outline

- I. Creating MDG Technologies for domain specific modeling*
 - A. Creating domain metamodels
 - B. Understanding the UML metamodel
 - C. Creating UML Profiles
 - D. Creating Toolbox and Diagram Profiles
 - E. Writing Shape Scripts to develop alternate notations
 - F. Generating the MDG Technology
 - G. Importing the MDG Technology

- II. Execution of Behavioral Models*
 - A. Manual Simulation
 - B. Dynamic Simulation (Corporate edition and above)
 - C. Executing Activities
 - D. Executing Activities with nested actions
 - E. Executing Interactions
 - F. Executing State Machines
 - G. Executing BPMN (unified and Ultimate editions)

- III. Scripting*
 - A. Scripting tools within EA
 - B. Understand the EA object model
 - C. Building automation scripts
 - D. Browser scripts
 - E. Diagram scripts
 - F. Workflow scripts
 - G. Using scripts and search results to produce project documentation
 - H. Adding scripts to user defined MDG Technologies

- IV. Model transformation and code generation*
 - A. Exploring built in transformations
 - B. Customizing transformations
 - C. Creating custom transformations