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## SCARECROW CONSULTANTS

### Using Enterprise Architect

This workshop provides an introduction to using the Sparx Systems' *Enterprise Architect* UML and SysML modelling tool. The workshop consists of tutor-guided hands-on exercises; it covers a number of topics, including: the background and use of the tool; implementing base projects; the use of reference data to help standardise and streamline tool use in an organisation; stereotypes, profiles & patterns; model consistency & navigation.

#### Duration: 1 day

#### Settings

- Tool settings
- Authors
- Roles

This module covers local tool settings that allow EA to be configured according to a user's preferences. Definition of model authors and roles is also covered.

#### Project Structure

- Creating views and packages
- Creating diagrams
- The importance of model structure
- Base projects

This module discusses the structure of EA models and how to define model structure in terms of views, packages and initial diagrams. The importance of defining such a structure based on the needs of the project, rather than using the defaults provided by the tool, is considered which leads into a discussion of the role, creation and use of base projects.

#### Drawing Diagrams

- Adding elements to diagrams
- Adding connectors to diagrams
- Properties
- Rearranging the model

This module discusses the ways in which diagrams can be edited, considering tool short-cuts that allow elements and connectors to be added quickly and efficiently. The importance and use of various element properties are discussed as are the various ways in which models can be rearranged as they are developed.



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### Model Consistency and Navigation

- Defining consistency for the model
- Setting up consistency links
- Model navigation
- Setting up navigation links

This module shows how to create a consistent, coherent and robust model by defining consistency and setting up links. The importance of ontologies and views is discussed as a vital mechanism for ensuring consistency.

The module also discusses model navigability, considering hyperlinks within a model and to external items, cross-referencing of model elements and the creation of index diagrams to aid the user of a model.

### Stereotypes, Profiles & Patterns

- Stereotypes, profiles and patterns
- Creating stereotypes
- Profiles
- Patterns

This final module introduces the concepts of stereotypes, profiles and patterns and covers their creation, export and use. Their importance in establishing the way an organisation works with EA is discussed.

### Target Audience

This workshop is aimed at system and software engineers that have a working knowledge of both the Sparx' Enterprise Architect tool & Model-based Systems Engineering (MBSE), and who want to cover some of EA's more advanced features.

### Benefits

The benefits of this course are as follows:

- Understanding some of the key EA settings that allow EA to be configured according to a user's preferences
- Understanding how to structure an EA model and the importance of defining such a structure based on the needs of the project, rather than using the defaults provided by the tool
- Understanding efficient short-cuts that speed-up the creation of diagrams
- Understanding the importance of consistency within an EA model
- Understanding how to improve model navigability through hyperlinks and cross-referencing
- Understanding the fundamentals of tailoring EA through the use of profiles, stereotypes and patterns



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### Prerequisites

Attendance on one of our core MBSE courses (either the 1- or 3-day versions).

This workshop does not teach delegates the SysML modelling language. Delegates that are not proficient in SysML must attend our Mastering SysML workshop prior to registering for this Using Enterprise Architect workshop.

### Material

Delegates receive an electronic (PDF) version of the course material.

### More Information

For more information on this course, or any of our other offerings, please contact Scarecrow Consultants Limited using the details above.