

UML with Enterprise Architect (EA) – RM and Traceability

Duration 1 to 2 days

Target Group

Analysts wishing to implement UML and who have compiled Requirements with other languages and methods. Analysts who require deeper insights into the function of the discipline of Requirements Management, and who wish to configure and evaluate traceability. Analysts who import externally-created Requirements into a single Enterprise Architect Requirements model and wish to learn how work can be continued within this model. Developers who wish to secure traceability from Implementation Model to Requirement.

Requirement Management and Tracing in EA

Software development is requirements-driven. More abstract views of code are created using models (analysis, design, implementation). Since Requirements are compiled and even managed in the modelling tool, continuous Traceability is achieved, thereby enabling the fast, targeted location of information when making changes or modifications.

Requirements

Basic understanding of CASE Tools and their function as well as knowledge of object-oriented programming are helpful.

Contents

- Software engineering
- Requirements discipline
- V-Model
- Traceability in V-Model
- EXCEL – example of compilation of Requirements
- Structure, hyperlinks, relationships, containedness (part/whole)
- Disadvantages of compilation using EXCEL
- UML for Requirements Engineering with EA
- Compilation techniques
- Relationship techniques
- Structuring
- Traceability and traceability types
- Analysis of Traceability using EA
- EXCEL import – examples
- Rules for Import
- Testing of imports according to the above factors
- Toolset in Requirements – establish team
- Automatism for tracing
- Definition of workflow rules