

COURSE OUTLINE

Querying MagicDraw Models with Structured Expressions

Module

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Course Introduction

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The Basics

- What is a Query?
- Key Concepts
 - Query Structure
 - Contextual Variables
 - Operations
 - Outputs
- Uses for Structured Expressions
- The Expression Editor

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UML Metamodel and Profiles

- Overview
- UML Metamodel
 - Metaclasses
 - Metaproperties
 - Reading the Metamodel
- Profiles
 - Stereotypes
 - Tag Definitions / Values

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Navigation Operations

- Overview
- Simple Navigation
- Metachain Navigation
- Metachain Helper Functions

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Test, Find, and Filter

- Nesting Operations
- Find Operation
- Filter Operation
- Type Test
- Property Test
- Usage Examples
 - Smart Packages
 - Generic Table with Custom Scope

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Values & Operations from Model

- Values
 - Primitives
 - Elements & Collection
- Operations from Model
 - Definition
 - Usage
 - Built-In Operations

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Scripts

- Script Operation
 - Overview
 - Usage
- Supported Languages

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Applications in MagicDraw

- Generic Tables
- Dependency Matrices
- Relation Maps
- Smart Packages
- Dynamic Legends
- Validation Rules