

MBSE Execution

Course Introduction

- Course Content
- Does Not Cover
- NoMagic to CATiA Magic Branding
- Student Introductions

Simulation of Architecture

- What is the Point of Simulation?
- Cameo Simulation Toolkit Key Features
- Simulation Sample Projects
- Simulation Project Template
- Model Simulation
 - Activity Engine
 - State Machine Engine
 - Interaction Engine
 - Parametric Engine

Activity Diagrams

- Signals
- Operations / Signal Receptions
- Activity Diagram Review
 - Nodes
 - Actions
 - Objects
 - Edges
 - Activity Partitions / Swimlanes
- fUML
- List of Supported/Unsupported Elements

State Machine Diagram

- State Machines
- States
- Transitions
- Pseudo States
- List of Supported/Unsupported Elements

Sequence Diagram

- Sequence Diagram
- Lifelines

- Messages
- Constraints
- Combined Fragments
- List of Supported/Unsupported Elements

Parametric Diagram

- Value Types / Enumerations
- Value Properties
- Constraint Blocks
- Constraint Properties
- Parametric Diagram Review