Visual Model Analysis

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• Head of Solutions Department @ No Magic Europe
• Chairman and one of the leading architects for the current OMG UPDM (UAF) standard development group

Works with companies such as General Electric, Bombardier Transportation, John Deere, BAE Systems, BMW, Deutsche Bahn...

Holds the following professional certificates:
  ▪ OMG Certified Expert in SysML (OCSMP)
  ▪ OMG Certified UML Professional
  ▪ OMG Certified Expert in BPM
  ▪ Professional Scrum Product Owner

Holds PhD. in Informatics Engineering
Q&A: Type your questions here

[Enter a question for staff]
Aims and objectives

• Introduce visual model analysis capabilities
• Explain how model queries are built and why they are useful
• Explain coverage and impact analysis techniques
• Present tool features:
  • Dynamic relation maps
  • Query Editor
  • Dependency Matrices
  • Generic tables
  • Model metrics
  • Suspect links
Modeling Culture

Center of Excellence

Modeling

Model Governance

Model Usage

Principles

High Value from Modeling and Models
Model Usage Examples

- Model reviews
- Document generation
- Impact Analysis
- Coverage Analysis
- Automated Requirements Verification
- Trade Studies
- Behavioral Simulations
- Testing
- UI Mock-ups
- Code Generation
Why Visual Model Analysis

- **Visual Model Analysis:** Decisions are made by modeler based on the visualized model content

- Improves Change Management

- Assists Project Status Tracking

- Ensures Specification Completeness and Consistency

- Helps to Discover Defects in Early phases of product development
Live Demo!
Case Study: Coffee Machine