

Simulink Model Management and Architecture

OEM: MathWorks • Duration: 2 Days (16 hrs) • Code: MW-SIMULINK-MODEL-MANAGEMENT-AND-ARCHITE

COURSE MODULES & TOPICS

Day 1 of 2

Model-Based Design

- Component stubs
- Requirements linking
- Component interfaces
- Bus objects

Model Architecture

- System component considerations
- Virtual subsystems
- Atomic subsystems
- Subsystem references
- Model references
- Libraries
- Component variants

Project Management

- Project setup
- File shortcuts and labels
- File dependencies and impact
- Source control integration
- File differences

Day 2 of 2

Data Management

- Workspace precedence
- Parameter management
- Saving and loading data
- Data dictionaries

Model Scalability

- Data objects
- Reference data dictionaries
- Reference configuration sets
- Data partitioning
- Reference projects

Model Performance

- Simulink Profiler
- Simulation modes
- Comparing performance
- Performance Advisor

Modeling Standards

- Modeling standards
- Model Advisor
- Reporting results
- Additional Simulink advisors
- Templates

Reporting

- Web views
- Standard reports
- Custom reports