

# SIMULIA Scenario Definition



# About this Course

## Course objectives

In this course you will learn:

- Technology and methods to integrate and control the execution of simulation applications
- How to carry out operations such as query and version control
- How to administer access privileges and perform and review simulations in a distributed, collaborative environment
- How to use the SIMULIA Scenario Definition Connectors Framework to deploy and execute simulation authoring applications developed by your company, SIMULIA, Dassault Systèmes, or third parties

## Targeted audience

This seminar is recommended for new users and those interested in learning more about SLM.

## Prerequisites

None



2 days

# Day 1

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- ▶ Lecture 1 Introduction to DS PLM
- ▶ Lecture 2 SIMULIA Scenario Definition Background
- ▶ Lecture 3 SIMULIA Scenario Definition Environment
- ▶ Lecture 4 Results, Lifecycle And Collaboration
- ▶ Lecture 5 Additional Tasks



Lectures 3-5 cover tasks relevant to the Analyst.

## Day 2

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- ▶ Lecture 6            Methods Developer Basic Tasks
- ▶ Lecture 7            Attributes and Parameters
- ▶ Lecture 8            Publishing Best Practices
- ▶ Lecture 9            Connecting to Other Software
- ▶ Lecture 10           Miscellaneous Tasks



Lectures 6-10 cover tasks relevant to the Methods Developer.

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# Revision Status

Lecture 1	3/13	Updated for V6R2013
Lecture 2	3/13	Updated for V6R2013
Lecture 3	3/13	Updated for V6R2013
Lecture 4	3/13	Updated for V6R2013
Lecture 5	3/13	Updated for V6R2013
Lecture 6	3/13	Updated for V6R2013
Lecture 7	3/13	Updated for V6R2013
Lecture 8	3/13	Updated for V6R2013
Lecture 9	3/13	Updated for V6R2013
Lecture 10	3/13	Updated for V6R2013
Workshop 1	3/13	Updated for V6R2013
Workshop 2	3/13	Updated for V6R2013
Workshop 3	3/13	Updated for V6R2013
Workshop 4	3/13	Updated for V6R2013
Workshop 5	3/13	Updated for V6R2013
Workshop 6	3/13	Updated for V6R2013
Workshop 7	3/13	Updated for V6R2013
Workshop 8	3/13	Updated for V6R2013
Workshop 9	3/13	Updated for V6R2013
Workshop 10	3/13	Updated for V6R2013

# Lesson 1: Introduction to DS PLM

## *Lesson content:*

- ▶ From CAD to PLM
- ▶ PLM 1.0
- ▶ ENOVIA MatrixOne Business Processes
- ▶ ENOVIA MatrixOne Technology
- ▶ PLM 2.0 with V6 Platform
- ▶ PLM 2.0: The PLM Online for All



**30 minutes**

# Lesson 2: SIMULIA Scenario Definition Background

## *Lesson content:*

- ▶ DS Past Experience
- ▶ SIMULIA Scenario Definition Key Requirements
- ▶ What Does It Mean For Me?
- ▶ Infrastructure
- ▶ General Concepts
- ▶ The SIMULIA Scenario Definition Interface



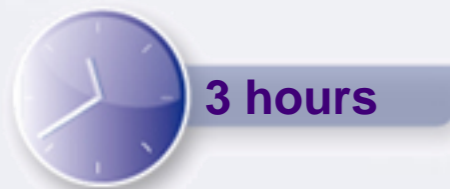
**1 hour**



# Lesson 3: SIMULIA Scenario Definition Environment

## Lesson content:

- ▶ Analyst Role
- ▶ Working Environment
- ▶ Workshop 1: Setting up my Environment
  
- ▶ Creating a New Process from a Template (Part 1)
- ▶ Accessing Data
- ▶ Workshop 2: Searching the Database
  
- ▶ Creating a New Process from a Template (Part 2)
- ▶ Using templates
- ▶ Workshop 3: Running a Templated Workflow
  
- ▶ Exploring Processes and activities
- ▶ Exploring Content
- ▶ Adding Content
- ▶ Creating a New Process from a Template (Part 3)
- ▶ Execution
  - Activities
  - Processes
  - More about Export/Import
  - Job Monitoring
  - General Considerations
  
- ▶ Workshop 4: Running an Ad-Hoc Workflow



3 hours

# Lesson 4: Results, Lifecycle And Collaboration

## *Lesson content:*

- ▶ Creating a New Process from a Template (Part 4)
- ▶ Visualizing Results
- ▶ Creating a New Process from a Template (Part 5)
- ▶ Specifying the Maturity of the Data
- ▶ Sharing Data
  - Inheritance
  - Workspaces
  - General Considerations
- ▶ Changing Ownership



# Lesson 5: Additional Tasks

## *Lesson content:*

- ▶ Reusing Legacy Data
  - Copy/Clone
- ▶ Modifying Former Work
  - Using Revisions
  - Using Versions
- ▶ Analyzing Data Relationships
  - Impact Graph
- ▶ Inconsistencies between Input/Output and Import/Export
- ▶ Workshop 5: Shared Document Management



**1 hour**

# Lesson 6: Methods Developer Basic Tasks

## *Lesson content:*

- ▶ Methods Developer Role
- ▶ Additional Concepts
  - Policy
  - Vaults And Stores
- ▶ Setting Up a New Workflow (Part 1)
- ▶ Creating a Process
- ▶ Organizing Data with Categories
- ▶ Creating Activities
  - Export/Import Rules
  - Connector Assignment
- ▶ Workshop 6: Creating a Basic Activity



**1 hour**

# Lesson 7: Attributes and Parameters

## *Lesson content:*

- ▶ Attributes and Attribute Groups
- ▶ Setting Up a New Workflow (Part 2)
- ▶ Defining Parameters
- ▶ Using Parameters and Macros
- ▶ Using Parameters during Execution
- ▶ Using Parameters with Attributes
- ▶ Workshop 7: Working with Attributes and Parameters



**1 hour**

# Lesson 8: Publishing Best Practices

## *Lesson content:*

- ▶ Setting Up a New Workflow (Part 3)
- ▶ Templates
  - Creation
  - Setup
  - Access
- ▶ Workshop 8: Creating a Templated Workflow
- ▶ Workshop 9: Advanced Template Configuration



**1 hour**

# Lesson 9: Connecting to Other Software

## *Lesson content:*

- ▶ Setting Up a New Tool (Part 1)
- ▶ Connectors
  - Host Configuration
  - Creation
  - Exporters/Importers
- ▶ Setting up a New Tool (Part 2)
- ▶ Connector Setup
- ▶ Setting up a New Tool (Part 3)
- ▶ Connector Access
- ▶ Host Management
- ▶ Workshop 10: Creating a Simulation Connector



**1 hour**

# Lesson 10: Miscellaneous Tasks

## *Lesson content:*

- ▶ “My Simulations” view
- ▶ Data Retention
- ▶ Routes
- ▶ Checking your Setup
- ▶ Checking the History of your Data
- ▶ Object Event Subscriptions
- ▶ Summary of Default Roles
- ▶ Glossary



**30 minutes**