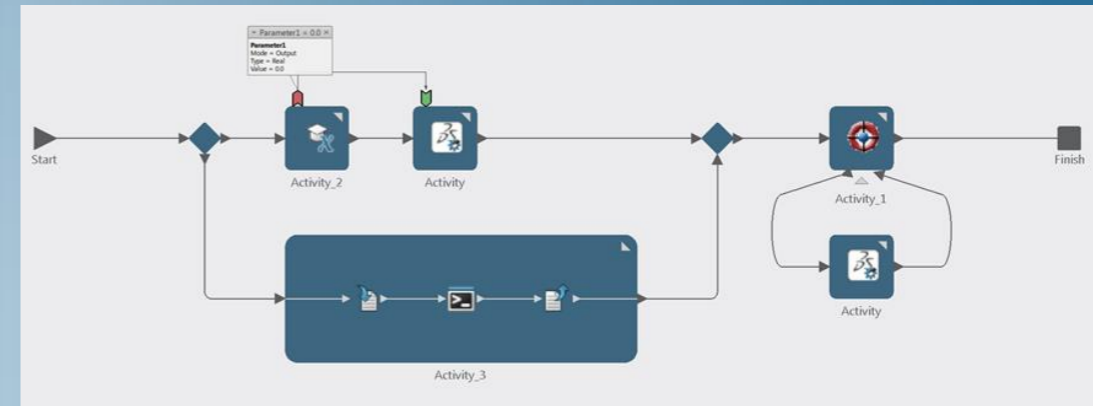


Process Composer Essentials

R2017x



3DEXPERIENCE[®]



About this Course

Course objectives

Upon completion of this course you will be able to:

- ▶ Compose Simulation Processes
- ▶ Produce Simulation Experiences

Targeted audience

This course is intended for the following roles:

- ▶ Mechanical Analyst
- ▶ Structural Vibration Analyst
- ▶ Noise & Vibration Analyst
- ▶ Fluid Mechanics Analyst
- ▶ Finite Element Modeling & Assembly Specialist
- ▶ Simulation Process Method Developer

Prerequisites

None



1 day

Day 1

- ▶ Lecture 1 Introduction

- ▶ Lecture 2 Overview of Process Composer
- ▶ Workshop 1 Composing the "Spring Analysis" Example

- ▶ Lecture 3 Managing Simulation Data

- ▶ Lecture 4 Integrating Multiple Applications
- ▶ Workshop 2a Composing the "Airplane Sizing" Example– Part I
- ▶ Workshop 2b Composing the "Airplane Sizing" Example– Part II

- ▶ Lecture 5 Creating Design Exploration Studies
- ▶ Workshop 3 Composing the "Airplane Sizing" Example – Part III

- ▶ Lecture 6 Introduction to the Concepts of Orchestration Execution

- ▶ Lecture 7 Setting up Execution Options
- ▶ Workshop 4 Composing the "Airplane Sizing" Example – Part IV

- ▶ Lecture 8 Introduction to the Concepts of Simulation Experiences
- ▶ Workshop 5 Producing the " Spring Analysis" Example

Additional Material

- ▶ Appendix 1 Process Composer Web Interface
- ▶ Workshop 6 Airplane Sizing Process with Process Composer Web

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Revision Status

Lesson 1	2/17	Updated for R2017x
Lesson 2	2/17	Updated for R2017x
Lesson 3	2/17	Updated for R2017x
Lesson 4	2/17	Updated for R2017x
Lesson 5	2/17	Updated for R2017x
Lesson 6	2/17	Updated for R2017x
Lesson 7	2/17	Updated for R2017x
Lesson 8	2/17	Updated for R2017x
Appendix 1	2/17	Updated for R2017x
Workshop 1	2/17	Updated for R2017x
Workshop 2a	2/17	Updated for R2017x
Workshop 2b	2/17	Updated for R2017x
Workshop 3	2/17	Updated for R2017x
Workshop 4	2/17	Updated for R2017x
Workshop 5	2/17	Updated for R2017x
Workshop 6	4/17	New for R2017x

Lesson 1: Introduction

Lesson content:

- ▶ V+R Process Apps
 - ▣ Simulation Companion
 - ▣ Process Composer
 - ▣ Process Experience Studio
 - ▣ Performance Study
 - ▣ Results Analytics
- ▶ Execution Engine
- ▶ Simulation Process
- ▶ Simulation Activity
- ▶ Adapter
- ▶ Summary



20 minutes

Lesson 2: Overview of Process Composer

Lesson content:

- ▶ Process Composer
- ▶ Accessing the Process Composer
- ▶ Process Composer Interface
- ▶ Building Workflow
- ▶ Saving a Simulation Process
- ▶ Demo: Spring Analysis Example



20 minutes

Workshop 1: Composing the “Spring Analysis” Example

In this workshop, you will become familiar with the Process Composer app in the **3DEXPERIENCE** Platform and learn to perform basic operations.

After completion of this workshop, you will be able to:

- a. Access the Process Composer app
- b. Navigate through the **3DEXPERIENCE** Platform interface
- c. Use the Calculator Adapter
- d. Compose a simple process flow
- e. Modify the parameters
- f. Save a simulation process
- g. Run a simulation process



20 minutes

Lesson 3: Managing Simulation Data

Lesson content:

- ▶ Activities
- ▶ Parameters
- ▶ Parameter Options
- ▶ Accessing Parameters
- ▶ Working with Content
- ▶ Owned vs. Referenced Documents
- ▶ Versioned vs. Non-versioned Documents
- ▶ Scope of Activities
- ▶ Mapping Parameters
- ▶ Managing Content



30 minutes

