

Performance Study Essentials

R2017x



3DEXPERIENCE[®]

3DEXPERIENCE | SIMULIA Performance Study

Simulations (Owned)

Clear Compare Group

- SpringAnalysis_3
Simulation Process import...
- SpringAnalysis_4
Simulation Process import...
- SpringAnalysis_...
Simulation Process import...

SpringAnalysis_3(-)

Job 12/15/2016 2:23:50 PM Completed

Properties Inputs/Outputs Monitor

Impact Graph Execution Options

Owner	yu1
Created	Thu Dec 15 12:44:24 IST 2016
Modified	Thu Dec 15 14:24:46 IST 2016
Simulation Kind	method

About this Course

Course objectives

Upon completion of this course you will be able to:

- ▶ Instantiate Simulation Processes from Simulation Experiences
- ▶ Run and monitor Simulation Processes
- ▶ Manage Simulation Processes

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
- ▶ Structural Analysis Engineer
- ▶ Steel Ship Structural Analysis Engineer
- ▶ Stress Engineer
- ▶ Fluid Dynamics Engineer
- ▶ Simulation Process Method Developer
- ▶ Results Data Analyst

Prerequisites

None



4 hours

Day 1

- ▶ Lesson 1 Overview
- ▶ Lesson 2 Right Hand Panel
- ▶ Workshop 1 Spring Analysis Process
- ▶ Lesson 3 Left Hand Panel
- ▶ Workshop 2 Running Multiple Spring Analyses
- ▶ Lesson 4 Interactive Jobs
- ▶ Workshop 3 Running Interactive Jobs
- ▶ Lesson 5 Managing Simulations

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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
Workshop 1	2/17	Updated for R2017x
Workshop 2	2/17	Updated for R2017x
Workshop 3	2/17	Updated for R2017x

Lesson 1: Overview

Lesson content:

- ▶ V+R Process Apps
 - Simulation Companion
 - Process Composer
 - Process Experience Studio
 - Performance Study
 - Results Analytics
- ▶ Execution Engine
- ▶ What is Performance Study?
- ▶ Performance Study in 3DDashboard
- ▶ Why use Performance Study?
- ▶ Demo: Spring Analysis Process



30 minutes

Lesson 2: Right Hand Panel

Lesson content:

- ▶ Performance Study
- ▶ Properties Tab
- ▶ Inputs/Outputs Tab
- ▶ Monitor Tab



15 minutes

Workshop 1: Spring Analysis Process

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

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

- a. Connect to the server
- b. Instantiate a simulation experience
- c. Edit the simulation process in Performance Study app
- d. Run a simulation process
- e. Monitor the job and access the results



30 minutes

Lesson 3: Left Hand Panel

Lesson content:

- ▶ Color Coding
- ▶ Claiming Processes
- ▶ Comparing Processes
- ▶ Grouping Processes
- ▶ Global Search



15 minutes

Workshop 2: Running Multiple Spring Analyses

In this workshop, you will gain further understanding the Performance Study app in the **3DEXPERIENCE** Platform and learn to perform basic operations.

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

- a. Instantiate multiple processes from a simulation experience
- b. Group and compare simulation processes



30 minutes

