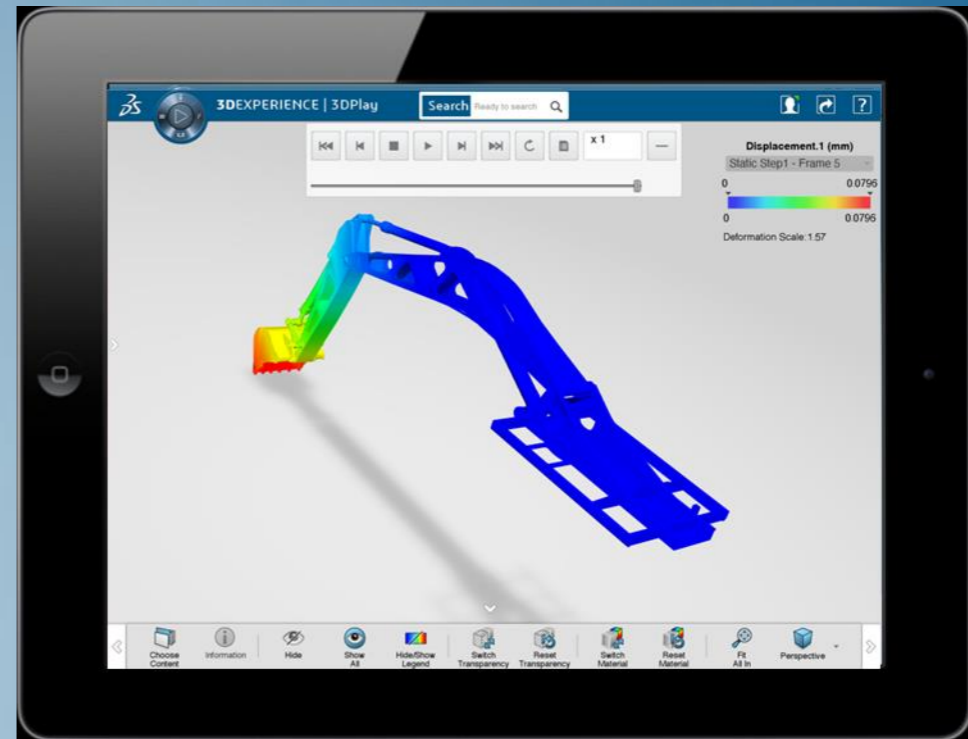


# 3DPlay Simulation Experience Essentials

R2017x



**3DEXPERIENCE®**



# About this Course

## Course objectives

Upon completion of this course you will be able to:

- ▶ Replay simulation experiences in 3DPlay
- ▶ Perform lightweight visualization through web browsers

## 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

## Prerequisites

None



2 hours

# Day 1

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- ▶ Lesson 1            3DPlay for Simulations
- ▶ Workshop 1        Natively Generated Simulation
- ▶ Workshop 2        Externally Generated Simulation

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- > By Course

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## Revision Status

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<b>Lesson 1</b>	<b>1/17</b>	<b>Updated for R2017x</b>
<b>Workshop 1</b>	<b>1/17</b>	<b>Updated for R2017x</b>
<b>Workshop 2</b>	<b>1/17</b>	<b>Updated for R2017x</b>

# Lesson 1: 3DPlay for Simulations

## *Lesson content:*

- ▶ Introduction
- ▶ Layout of the 3DPlay App
- ▶ Simulation Content
- ▶ Animation
- ▶ Hide/Show
- ▶ Legend
- ▶ Displaying Extrema
- ▶ Transparency
- ▶ Material Rendering
- ▶ Section
- ▶ Measure
- ▶ Accessing Simulation Results
- ▶ 3DPlay on Mobile Devices
- ▶ Externally Generated Simulation Results
- ▶ Workshop Preliminaries



1 hour

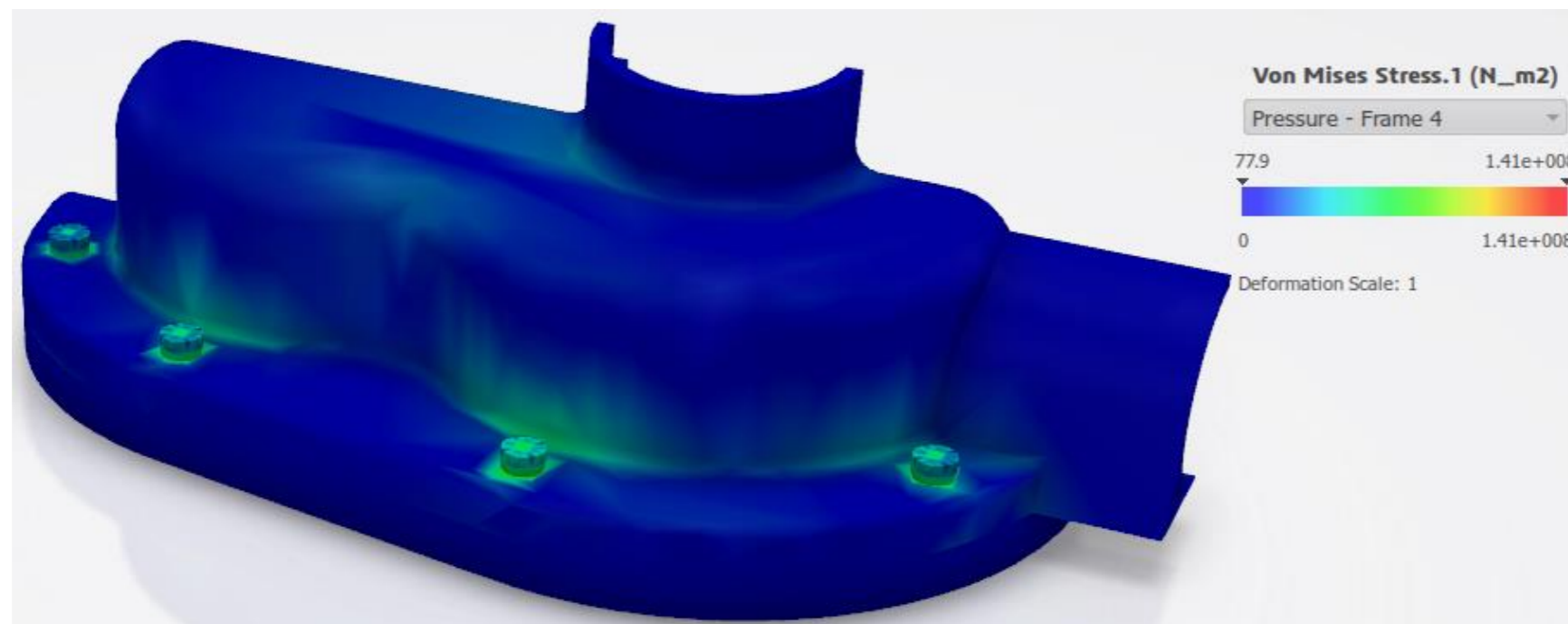


# Workshop 1: Natively Generated Simulation

In this workshop, you will import a natively generated simulation results file into the **3DEXPERIENCE** Platform. You will then open the simulation in 3DPlay and review the simulation content.

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

- Import a 3D XML file into the **3DEXPERIENCE** Platform.
- Perform basic operations available in 3DPlay.



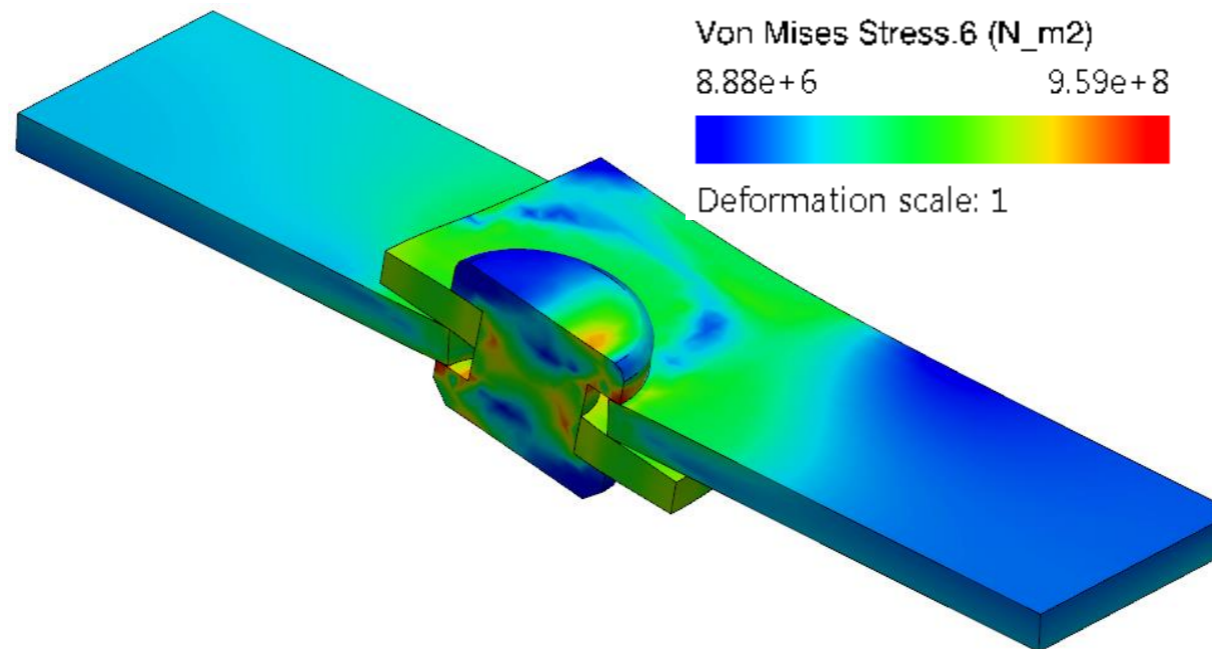
30 minutes

# Workshop 2: Externally Generated Simulation

In this workshop, you will import an externally generated simulation results file into the **3DEXPERIENCE** Platform. You will then create the lightweight simulation content that is required for 3DPlay. Finally, you will open the lightweight content in 3DPlay and perform basic operations.

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

- Import an externally generated simulation results file into the **3DEXPERIENCE** Platform.
- Generate lightweight simulation content required for 3DPlay.
- Perform basic operations available in 3DPlay.



30 minutes