

# SOLIDWORKS®

## **Using 3DEXPERIENCE® with SOLIDWORKS Design**

Dassault Systèmes SolidWorks Corporation  
175 Wyman Street  
Waltham, MA 02451 U.S.A.

© 1995-2025, Dassault Systemes SolidWorks Corporation, a Dassault Systèmes company, 175 Wyman Street, Waltham, Mass. 02451 USA. All Rights Reserved.

The information and the software discussed in this document are subject to change without notice and are not commitments by Dassault Systemes SolidWorks Corporation (DS SolidWorks).

No material may be reproduced or transmitted in any form or by any means, electronically or manually, for any purpose without the express written permission of DS SolidWorks.

The software discussed in this document is furnished under a license and may be used or copied only in accordance with the terms of the license. All warranties given by DS SolidWorks as to the software and documentation are set forth in the license agreement, and nothing stated in, or implied by, this document or its contents shall be considered or deemed a modification or amendment of any terms, including warranties, in the license agreement.

For a full list of the patents, trademarks, and third-party software contained in this release, please go to the Legal Notices in the SOLIDWORKS documentation.

## **Restricted Rights**

This clause applies to all acquisitions of Dassault Systèmes Offerings by or for the United States federal government, or by any prime contractor or subcontractor (at any tier) under any contract, grant, cooperative agreement or other activity with the federal government. The software, documentation and any other technical data provided hereunder is commercial in nature and developed solely at private expense. The Software is delivered as "Commercial Computer Software" as defined in DFARS 252.227-7014 (June 1995) or as a "Commercial Item" as defined in FAR 2.101(a) and as such is provided with only such rights as are provided in Dassault Systèmes standard commercial end user license agreement. Technical data is provided with limited rights only as provided in DFAR 252.227-7015 (Nov. 1995) or FAR 52.227-14 (June 1987), whichever is applicable. The terms and conditions of the Dassault Systèmes standard commercial end user license agreement shall pertain to the United States government's use and disclosure of this software, and shall supersede any conflicting contractual terms and conditions. If the DS standard commercial license fails to meet the United States government's needs or is inconsistent in any respect with United States Federal law, the United States government agrees to return this software, unused, to DS. The following additional statement applies only to acquisitions governed by DFARS Subpart 227.4 (October 1988): "Restricted Rights - use, duplication and disclosure by the Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252-227-7013 (Oct. 1988)."

In the event that you receive a request from any agency of the U.S. Government to provide Software with rights beyond those set forth above, you will notify DS SolidWorks of the scope of the request and DS SolidWorks will have five (5) business days to, in its sole discretion, accept or reject such request. Contractor/ Manufacturer: Dassault Systemes SolidWorks Corporation, 175 Wyman Street, Waltham, Massachusetts 02451 USA.

# Contents

## Introduction

About This Course .....	2
Prerequisites .....	2
Course Length.....	2
Course Design Philosophy .....	2
Using this Book .....	2
More Training Resources .....	5

## Lesson 1:

### Getting Started with the 3DEXPERIENCE Platform

About the 3DEXPERIENCE Platform.....	8
Logging In.....	8
Navigate the 3DEXPERIENCE Platform Interface .....	9
Top Bar.....	10
Getting Help .....	12
The Welcome Tab.....	13

**Lesson 2:****SOLIDWORKS Design Connected to 3DEXPERIENCE**

About SOLIDWORKS Design and the 3DEXPERIENCE Platform .....	16
Run SOLIDWORKS Design .....	17
Lifecycle and Collaboration Fly-out. ....	21
Save to the 3DEXPERIENCE Platform .....	22
About Collaborative Spaces .....	22
About Permissions .....	22
About Bookmark Folders .....	26
MySession. ....	27
Objects Created Upon Save .....	28
Component Properties. ....	29
Local Cache .....	30
Search the 3DEXPERIENCE Platform .....	32
Lifecycle Maturity .....	34
Change Maturity .....	34
Assemblies .....	36
Mate the Wheel to the Assembly .....	38
Save Assembly to the Platform. ....	39
Status Icons. ....	39
Saved Assemblies .....	42
The Bookmark Editor .....	42
Relations App .....	45
Drawing and Bill of Materials .....	47
More Bookmark Editor .....	49
Release the Assembly .....	50
Exercise 1: Sketch and Save to the Platform .....	54
Exercise 2: Lifecycle Maturity .....	56
Exercise 3: Save Assembly to the Platform .....	58
Exercise 4: Create Drawing with BOM and Release .....	60

## Lesson 3: Revising Parts

Revisions in the 3DEXPERIENCE Platform .....	62
Change Request .....	64
Revisions in Bookmarks .....	65
About Dashboards .....	67
Predefined Dashboards .....	67
Customize Dashboards .....	67
The Product Explorer .....	67
Revising a Released Part .....	72
About Locks .....	72
Revision Scheme .....	74
Revision History .....	78
Comparing Revisions .....	79
About 3DSwym .....	82
Community News Feed .....	82
About 3DPlay .....	84
3DSwym Conversations .....	87
Sharing Files with 3DDrive .....	88
Sharing Files from SOLIDWORKS Design .....	91
Exercise 5: SOLIDWORKS Design Create Bookmark Folders .....	99
Exercise 6: Release and Revise a Part .....	100
Exercise 7: Revision History and Compare .....	102
Exercise 8: 3DSwym Communities .....	104

## Lesson 4: Governance

About Collaborative Tasks .....	106
Governance using Bookmark Editor .....	108
Search with 6W Tags .....	112
About Routes .....	117
Exercise 9: Create a Task .....	127
Exercise 10: Revision using Bookmark Editor .....	128
Exercise 11: Search using 6WTags .....	129
Exercise 12: Create a Parallel Route .....	130