

SolidWorks® Toolbox

Toolbox in a Multi-User Environment

© 1995-2001, SolidWorks Corporation 300 Baker Avenue Concord, Massachusetts 01742 USA All Rights Reserved.

U.S. Patent 5,815,154	
U.S. Patent 6,219,049	
U.S. Patent 6,219,055	

SolidWorks Corporation is a Dassault Systemes S.A. (Nasdaq:DASTY) company.

The information and the software discussed in this document are subject to change without notice and should not be considered commitments by SolidWorks Corporation.

No material may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose without the express written permission of SolidWorks Corporation.

As a condition to your use of this software product, you agree to accept the limited warranty, disclaimer and other terms and conditions set forth in the SolidWorks Corporation License and Subscription Service Agreement, which accompanies this software. If, after reading the License Agreement, you do not agree with the limited warranty, the disclaimer or any of the other terms and conditions, promptly return the unused software and all accompanying documentation to SolidWorks Corporation and your money will be refunded.

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

SolidWorks® and the SolidWorks logo are the registered trademarks of SolidWorks Corporation.

SolidWorks 2001 is a product name of SolidWorks Corporation.

FeatureManager® is a jointly owned registered trademark of SolidWorks Corporation.

Feature Palette[™] and PhotoWorks[™] are trademarks of SolidWorks Corporation.

ACIS® is a registered trademark of Spatial Technology Inc.

IGES® Access Library is a registered trademark of IGES Data Analysis, Inc.

FeatureWorks[™] is a trademark of Geometric Software Solutions Co. Limited.

GLOBE*trotter*® and FLEX*lm*® are registered trademarks of Globetrotter Software, Inc.

Other brand or product names are trademarks or registered trademarks of their respective holders.

COMMERCIAL COMPUTER SOFTWARE – PROPRIETARY

U.S. Government Restricted Rights. Use, duplication or disclosure by the Government is subject to restrictions as set forth in FAR 52.227-19 (Commercial Computer Software - Restricted Rights), DFARS 252.227-7013(c)(1)(ii)(Rights in Technical Data and Computer Software) and in the license agreement, as applicable. Contractor/Manufacturer: SolidWorks Corporation, 300 Baker Avenue, Concord, Massachusetts 01742 USA

Portions of this software are copyrighted by and are the property of Unigraphics Solutions Inc.

Portions of this software © 1990-2001 D-Cubed Limited.

Portions of this software © 1990-2001 LightWork Design Limited.

Portions of this software © 1998-2001 Geometric Software Solutions Co. Limited.

Portions of this software © 1999-2001 Immersive Design, Inc.

Portions of this software © 1999-2001 Viewpoint Corporation

Portions of this software © 1996 Microsoft Corporation. All Rights Reserved.

The IGES Access Library portion of this product is based on IDA IGES Access Library © 1989-1998 IGES Data Analysis, Inc.

All Rights Reserved.

Table of Contents

Introduction	3
Installing SolidWorks Toolbox in a 'Shared' Environment	5
Loading Toolbox - Shared (Common File) Location	5
Loading Toolbox – Additional Users	13
Adding Shared Custom Parts – 'Add-my-parts wizard'	14
Allowing Parts to be inserted by multiple users	15

Introduction

Special Note: This document was created as a resource for users desiring to run SolidWorks 2001 Plus Toolbox in a multi-user 'Shared' environment. The information and the software discussed in this document are subject to change without notice.

There are three installation methods available to SolidWorks Toolbox users:

1. Client-Server

In this environment SolidWorks and Toolbox will be loaded as true client/server.

To illustrate, the seats below would be loaded in the following manner:



2. Shared

In this environment SolidWorks would be loaded standalone on each seat, Toolbox would be loaded on each seat to run in a 'Shared' environment.

To illustrate, the seats below would be loaded in the following manner:



3. Stand-Alone

In this instance the user is loaded in true standalone mode and does not share any application or data.



This document will focus solely on Option 2 – running SolidWorks Toolbox in a 'Shared' environment.

Installing SolidWorks Toolbox in a 'Shared' Environment

Loading Toolbox - Shared (Common File) Location

In this example we will establish a Toolbox Share location on a machine named *mkt_jpineau*. We will then install SolidWorks Toolbox on a SolidWorks user machine (in this case *pm_jpineau*).

The first installation user installation will establish the location of the database and the Toolbox part files that will be used by all users.

Create a Toolbox shared file location on a selected machine. In this example we will create a directory called *Toolbox Share* on a machine named *mkt_jpineau* and create a share.



- 1. On the first user machine, (in this case pm_jpineau) make sure SolidWorks 2001 Plus is loaded, then load the corresponding version of SolidWorks Toolbox (available from the Subscription Support website) as follows:
 - a. Extract zip file, select Setup, begin Toolbox installation



b. Identify location of local SolidWorks installation



c. From the Toolbox Part File folder dialog (shown below), select the Browse button

Setup	×
Toolbox Part File folder	
Setup will install Toolbox part files in the folder part files in another folder, click Browse and s	r listed below. If you wish to install Toolbox select another folder.
Destination Folder	
D:\Toolbox Parts	Browse
InstallShield	
	< Back Next > Cancel

d. Browse for the Toolbox share or enter the path name (UNC format) to the shared area then select OK (in this example <u>\\mkt_ipineau\Toolbox Share</u>)

Setup		x
Toolbox Part I	Choose Folder	
	Please choose the installation folder.	
Setup will ins part files in a	Path: \\Mkt_jpineau\Toolbox Share	olbox
	Directories:	
Destination D:\Toolbox	Mkt_hervow2k Mkt_imirman2 Downloads E My Pictures Mkt mdigregorio	rowse
InstallShield ——	OK Cancel	Cancel

e. The correct path names should now be displayed, select the Next button

Setup	×
Toolbox Part File folder	
Setup will install Toolbox part files in the folo part files in another folder, click Browse and	der listed below. If you wish to install Toolbox I select another folder.
Destination Folder	
\\Mkt_jpineau\Toolbox Share	Browse
InstallShield	
	<back next=""> Cancel</back>

f. Enter Toolbox serial number (not necessary if you are a SolidWorks Office user)

Setup	×
Serial Number	
Please provide the following information	
The Serial No. is shown on a card included will your "INITIAL" license.	th
Serial No.	
Instalisheid	< Back Next > Cancel

g. A confirmation dialog is displayed, hit Next to complete installation





2. The Toolbox shared files directories have now been successfully installed on the share machine in the location designated.

File Edit View Favorites Tools Help	
🛛 💠 Back 🔹 🔿 👻 🖹 🔞 Search 🛛 🔂 Folders	GHis
Address 🛅 Toolbox Share	
Folders	×
msdownld.tmp My Documents program Files QSDDM RoboHELP Templates SmarTeam SolidWorks Style="background-color: gray black;">Style="background-color: gray black;"/>Style: gray black;"	

3. On your local system, if you browse the directory where you loaded SolidWorks, you will notice that files were added for the Toolbox add-in. One of the most important files is the Toolbox.ini file located under the Toolbox folder (see example below). This file is important in that it notified the Toolbox add-in where to look for the shared files.



OPTIONAL: Create a folder for any shared custom parts that will be added to Toolbox via the 'add-my-parts wizard' (in this case I have created a directory called *Company Parts* in the *Toolbox Share* directory)



Loading Toolbox – Additional Users

- 1. Load SolidWorks 2001 Plus
- 2. Load the corresponding version of SolidWorks Toolbox (available from the Subscription Support website)
- 3. Install Toolbox in the same manner as described above.

Adding Shared Custom Parts - 'Add-my-parts wizard'

When adding custom parts via the add-my-parts wizard, the parts must reside in a shared location.

The important thing to remember is that when you are adding the part you must browse the shared location so that the proper path name is acquired. See example below:

Add My Parts Woard - Step 4 of 4	Add My Parts Wizard - Step 4 of 4 Image: Comparison of the second of
Concord I Concord I	K Back Finish Cancel Help

<mark>81</mark> 50	lidWorks 2001 - Assem1	
File	Edit View Insert Tools bom.com T	oolbox W
0	🖆 🖬 🖪 🎒 တ 🚽 🔋 🛄	¥∥ №?
	🗧 Assem1	
20	Ansi Inch	
	Bolts and Screws	
	Countersunk Head	
	Elevator Bolt	
Ň	Begular or Slotted	
¢\$	riogula, el elector	
	⊨==	
42	Sausro Nook	
	Squale Neck	
	?	
	FRAME	
<i>**</i>		
88		
1		
0		
-		
٢		
3		
		ान

Allowing Parts to be inserted by multiple users

In Service Pack 9 of SolidWorks 2001 a fix was made to Toolbox to allow a user to drag and drop a part into an assembly when the same part was being used in another assembly by another user.

This requires all users to set the 'Insert documents read-only' option (using Configure Browser -> Document Properties) as shown below:

Configure Browser	×
Browser Standards Edit Data Smart Fasteners Browser Level 1 Copy Part File	[
Browser Level 2 No copy (always use master part file) Browser Level 3 Always create copy Browser Parts Create copy on cth-drag Document Properties Copy Directory:	
Nmkt_pineau/Toobox Share/CopiedPats Browse Read-only Status	
Inset documents as read only Exclude copied documents	
Writing to read-only documents	
OK Cancel Apply	Help

In Service Pack 10 of SolidWorks 2001 an additional fix was made to allow a user to use parts that came from a read only directory.

Configure Browser	×
Browser Standards Edit Data Smart Fasteners	
Browser Level 1 Browser Level 2 Browser Level 3 Document Properties Create copy on Ctricdag Copy Directory: \frac{Vmkt_pineau/Toolbox Share/CopiedParts }	Browse
Read-only Status Inserting documents into SolidWorks Insert documents as read-only Exclude copied documents Writing to read-only documents C Error when writing to a read-only document C Always change read-only status of document	before writing
OK	Cancel Apply Help

IMPORTANT NOTE: THIS MUST BE DONE AT EACH SEAT WHERE TOOLBOX IS INSTALLED.