

Install or update SOLIDWORKS 2023



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Introduction

This manual explains step by step how to install or update SOLIDWORKS. Should you have any issue or question, please contact our support team: support@cadmes.com or +32 71 35 14 83.

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1 Check prerequisites

If you have SOLIDWORKS PDM, please contact us. We need to update the PDM server and SOLIDWORKS at the same time.

Check that you are under subscription (contact us if you are not sure).

- 1 Check the compatibility with the new version:
 - » <u>Software</u>
 - » Graphic card
- 2 Check that collaborators (other employees, customers, partners) are using the same version to be able to share files easily.
- If you install your license on a new computer, get your SOLIDWORKS Serial Number with you.
 - » You should have received it by email.
 - » Otherwise, contact us.
- 4 Check your license type with the help of the serial number: 9000 0053 1234 5678 ABC9 DEFH.
 - » If the 3rd number is 1, you have a network license.
 - » If the 3rd number is o, you have a standalone license.
- 5 If you have a network license, check the compatibility with your license server:
 - » If it is a virtual server, virtualization system can be found <u>here</u>.
 - » In all cases, the operating systems supported are the same than SOLIDWORKS plus Windows Server found here under "Server Products".

	SOLIDWORKS 2021 (EDU 2021-2022)	SOLIDWORKS 2022 (EDU 2022-2023)	SOLIDWORKS 2023 (EDU 2023-2024)		
Client Products (e.g. SOLIDWORKS)					
Windows 11, 64-bit	×	(SW2022 SP2)	~		
Windows 10, 64-bit	~	~	~		
Server Products (e.g. SOLIDWORKS PDM, SNL Manager)					
Server Products (e.g. SOLIDWORKS PDM, SNL Ma	anager)				
Server Products (e.g. SOLIDWORKS PDM, SNL Ma Windows Server 2022	anager) ×	(SW2022 SP4)	~		
		(5W2022 5P4)	~		

6 Finally, SOLIDWORKS gives a lot of information and a complete guide for installing and administering: https://my.solidworks.com/support/adminguides



2 Short version

Our <u>YouTube video</u> (in French) can guide you through the installation and update of SOLIDWORKS.

- 1 If you just bought SOLIDWORKS with a standalone license (third number of the serial number is o): If not already done, create your SOLIDWORKS/3DEXPERIENCE account <u>here</u>.
- 2 Download SOLIDWORKS installation Downloads manager here (login with your account). Download new versions, service packs, and add-ins. Select Version: 2023 V SOLIDWORKS ONEPART FREE TOOLS Product Version Service Pack perating System Released SOLIDWORKS Products 2023 2.1 Vin10/Win11, 64-bit 04/24/2023 SOLIDWORKS Products 2023 1.0 Win10/Win11, 64-bit 02/13/2023 Win10/Win11, 64-bit SOLIDWORKS Products 2023 0.1 11/21/2022 Version Service Pack Operating System Released Rroduct SOLID 04/24/2023 RKS Acti Wizard 2023 2.1 Win10/Win11 64-bit SOLIDWO edia (1 of 3) 2023 0.1 Win10/Win11 64-bit 11/21/2022 2023 Win10/Win11 64-bit 11/21/2022 SOLID (2 of 3) 0.1 ORKS Media (2023 Win10/Win11 64-bit 11/21/2022 0.1 3 Start the setup.exe file and follow the SOLIDWORKS 2022 SP0 Installation Manage instructions, choosing "Install on **ÓS SOLID**WORKS this computer". 2022 Welcome to the SOLIDWORKS Installation Manager SOLIDWORKS 2022 SP0 ecify the type of installation: Install on this computer Create an administrative image to deploy to multiple computers O Install server components O Download and share all files. Create individual installs or administrative images on multiple machines with a single download ? × > Cancel Help Next



2 Short version



5 Follow the instructions.

6 If you have a firewall on your server (check the one from Windows), allow the communication through port 25734 and 25735 for TCP and UDP.



7 Start the application SolidNetWork License Manager Server.



2 Short version

8

You should be asked to activate your licenses, otherwise click on "Reactivate".



10 When asked for the license server, enter "25734@ServerName" (replacing "ServerName" with the name of your license server).

Follow the detailed version below in case of difficulties or call us.



3 You already have SOLIDWORKS (you update your version)

Start with saving your SOLIDWORKS settings.

- 1 Create a zip backup for each setting.
- 2 Gather all your customized file and settings in a specific folder.
- 3 Save your SOLIDWORKS settings: name the file with the current version of SOLIDWORKS, the date of today and the username. Place the file in your specific folder for your customized SOLIDWORKS files and settings.

Be aware that this doesn't save your templates, material database and other customized files. It only saves their location information: where the files are but not the files themselves.







3 You already have SOLIDWORKS (you update your version)

4 Also save as backup all your customized files: » Templates, sheetformats, tables, material databases, Etc.

> » See in "Options", "File location": if you have correctly set up your SOLIDWORKS. All your customizations should be outside default locations:

- » C:\Program Files\SOLIDWORKS Corp\ SOLIDWORKS\Lang\english
- » C:\ProgramData\SolidWorks\SOLIDWORKS 2023\ lang\ english



- 5 If your toolbox is customized (if not sure, do it), save as backup the folder (create a zip with the current version in the name):
 - » To know where it is, go into SOLIDWORKS, "Options", "Hole Wizard/Toolbox":
 - » By default, it is here: C:\SOLIDWORKS Data

stem Options - Hole Wizard	/Toolbox		
System Options		Search Options	(
General MBD Drawings — Display Style — Area Hatch/Fill	Hole Witard and Toolbox folder: C/SOLDWORKS Data 2020,		
Performance Colors Sketch Relations/Snaps Display Selection	Configure Toolbox Task Pane: Display Toolbox Favorites folder		
Performance Assemblies External References	Toolbox Mates:		
Default Templates File Locations FeatureManager Spin Box Increments	Hole Wizard settings: Preserve settings for each Hole Wizard hole type Transfer settings when changing Hole Wizard hole type		
View Backup/Recover Touch Hole Wizard/Toolbox File Explored Search	Indude data for DELMIA applications		



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3 You already have SOLIDWORKS (you update your version)

Download the installation files

1 If	f not already done,	create your SOLIDWORKS/3DEXPERIENCE account <u>here</u>	
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2 Download SOLIDWORKS installation manager <u>here</u> (login with your account).

Downloads

Download new versions, service packs, and add-ins.

Select Version: 2023 V

SOLIDWORKS ONEPART FREE TOOLS

Product	Version	Service Pack	Operating System	Released
SOLIDWORKS Producte	2023	2.1	Vin10/Win11, 64-bit	04/24/2023
SOLIDWORKS Product	2023	1.0	Win10/Win11, 64-bit	02/13/2023
SOLIDWORKS Products	2023	0.1	Win10/Win11, 64-bit	11/21/2022
Rroduct	Version	Service Pack	Operating System	Released
SOLID NORKS Activation Wizard	2023	2.1	Win10/Win11 64-bit	04/24/2023
SOLIDWORKS Hedia (1 of 3)	2023	0.1	Win10/Win11 64-bit	11/21/2022
SOLIDWORKS Media (2 of 3)	2023	0.1	Win10/Win11 64-bit	11/21/2022
SOLIDWORKS Media (3 6 3)	2023	0.1	Win10/Win11 64-bit	11/21/2022

- 3 This is only the installation manager. Be sure to have all the installation files and share them with your colleagues on your network:
 - » Start the setup.exe downloaded above.
 - » Choose "Download and share all files", follow the instructions.





3 You already have SOLIDWORKS (you update your version)

Uninstall your current SOLIDWORKS version

- 1 Several methods can be used to update SOLIDWORKS:
 - » Direct update: it usually works but we prefer to uninstall before to clean up the computer.
 - » Install the new version in parallel with the old one: not advised because of reliability and official support from SOLIDWORKS.
 - » Uninstall the old one and install the new one: our recommendation.

Do not worry: when we uninstall SOLIDWORKS, we still keep all our settings, customizatiosn, serial numbers. And we just save them as backup (did you ?).

2	To uninstall SOLIDWORKS: Right click on the start menu in Windows, application (at the top).			
3	Find SOLIDWORKS, select it and uninstall it.	 setting: India Seruard Constant Find a setting System System System Substractify & devices Network & devices Network & devices Network & devices Accounts Accounts Accounts Caming Caming Accounts Windows Update 	To Filter by All drives % Sort by: Name (A to Z) ~ 1 app found SOUDWORKS 2022 5905 33.33.40 Solithreak Corporation 01/01/2023	
4	Follow the instructions with the default options.	SOLDWORKS 2022 SP5.0 Sold Sold Sold Sold Sold Sold Sold Sold	WORKS uninstall SOLDWORKS products. hat you want to uninstall. Unselected products will remain on the computer. 22 SP5.0 e Utilities 2022 SP5.0 sstics 2022 SP5.0	− □ × 2022

5 If you did not deactivate your license, you can do it now (you will activate them again after)

Once it is uninstalled, go to the next section depending on your license type (network or standalone).



4 | You're new to SOLIDWORKS

If you haven't created a SOLIDWORKS/3DEXPERIENCE account yet, please click <u>here</u> and download SOLIDWORKS installation manager <u>here</u>.

Depending on your license type, go to the right chapter:

- » If the third number of your serial number is 1 you are using a Network license > go to page 12
- » If the thrid number of your serial number is o you are using a Standalone license > go to page 14

Downloads

Download new versions, service packs, and add-ins.

Select Version: 2023 V

Product	Version	Service Pack	Operating System	Released
SOLIDWORKS Products	2023	2.1	Vin10/Win11, 64-bit	04/24/2023
SOLIDWORKS Product	2023	1.0	Win10/Win11, 64-bit	02/13/2023
SOLIDWORKS Products	2023	0.1	Win10/Win11, 64-bit	11/21/2022
Rroduct	Version	Service Pack	Operating System	Released
SOLID WORKS Activation Wizard	2023	2.1	Win10/Win11 64-bit	04/24/2023
SOLIDWORKS hedia (1 of 3)	2023	0.1	Win10/Win11 64-bit	11/21/2022
SOLIDWORKS Media (2 of 3)	2023	0.1	Win10/Win11 64-bit	11/21/2022
SOLIDWORKS Media (3 of 3)	2023	0.1	Win10/Win11 64-bit	11/21/2022



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5 Network license installation

- 1 Install License Manager on your server (should be accessible by all users):
 - » On the server, right click the setup.exe file you have just downloaded and start as administrator.
 - » Choose "Install server components" and "SolidNetWork License Manager".
 - » Follow the instructions.



2 If you have a firewall on your server (check the one from Windows), allow the communication through port 25734 and 25735 for TCP and UDP.





5 Network license installation

- 3 Start the application SolidNetWork License Manager Server.

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 Meilleur résultat
 ■ SolidNetWork License Manager Server
 2017
 Application de bureau

 Application S >

 SolidNetWork License Manager Client 2017
- 4 You should be asked to activate your licenses: do it.
- 5 If not, click on the "Reactivate" button and follow the instructions.



Continue to chapter 7



6 Standalone license installation

 If you already have SOLIDWORKS and you want to install it on a new computer (with the same serial number), you need to disable the license on this old computer first.



2 Once the new SOLIDWORKS is installed, you will be asked to activate the license during the first start.

Continue to the next chapter



Here are some tips that will help you for a smooth SOLIDWORKS installation. 1. Ideally, the user should be admin of the computer.

2. Always start the setup.exe file with a right click and start as administrator.

3. If possible, disable the antivirus during the installation.

4. After the installation, add exceptions to your antivirus on sldworks.exe, the installation folders and on SOLIDWORKS file type (sldprt, sldasm, slddrw) to ensure a better performance.

1 In the installation files that you have just downloaded, right click on the setup.exe file and start as administrator

2 If the installation manager tells you a restart of Windows is waiting, just click OK, it's usual.





5 Choose the product you want to install:

- » If you are not sure, let everything checked.
- » Maybe uncheck SOLIDWORKS CAM if you don't do CAM.
- » Maybe uncheck Composer Player if you don't use Composer.
- » Maybe uncheck Visualize if you don't do rendering.



6 Installation location:

- » Let it by default except if you have several versions on the same computer.
- » If you have several versions (not advised!), add the version name in the folder name.

SOLIDWORKS 2022 SP0 Installation Manager		_		×
35 SOLID WORKS			20	22
Summary This is a new installation of 2022 SP0.				í
✓ Products		Change	<i>6</i> 2	
SOLIDWORKS: PhotoView 360, SOLID CircuitWorks, SOLIDWORKS Costing, D. SOLIDWORKS Languages: English eDrawings SOLIDWORKS Rie Utilities SOLIDWORKS Rectrical: Electrical Cli Electrical Server (Collaborative Server, J SOLIDWORKS Composer Player	sign Checker, Example Files, Manuals nt (SOLIDWORKS Electrical Schematic	s, Help Files	< >	
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> Installation Location		Change	Ø	
✓ Toolbox/Hole Wizard Options		Change	<i>²</i>	
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DLIDWORKS 2023 SP2.1 Installation Manager		-		×
S SOLID WORKS			20	23
Product Selection Select products to install.				
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	Does not in	nclude the size of any download	15.	
X ?		Rac	K to Summ	arv
and a start		bac	a to summ	



7 Toolbox

- » New installation : keep default settings (or put the name of the version into the folder name).
- » Update an existing installation:
 - » In Windows Explorer, copy your toolbox location folder and name it with the version number.
 - » In Installation Manager, choose "Use an existing SOLIDWORKS Toolbox".
 - » Point to this location in the installation manager.

SOLIDWO	ORKS 2022 SP0 Installation Manager	-	
Zs	SOLIDWORKS		202
Su I This	mmary is a new installation of 2022 SP0.		
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> r	SOLIDWORKS Comnoser Player Ownload Options Background Downloader is on	Change	2
	nstallation Location		
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~T	oolbox/Hole Wizard Options	Change 6	┛.
	Toolbox installation location: C:\SOLIDWORKS Data (2) Toolbox installation method: New Toolbox		
V	l accept the terms of the SOLIDWORKS Estimat	ted installation size: 12	
\times	?	<	
Cancel	Help	Back	Install No
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SOL	olbox/Hole Wizard Options JDWORKS Toolbox includes a library of standard hardware. If you have multiple Toolbox red folder to simplify management of your Toolbox parts. The Hole Wizard will use the s	x users, consider using a same location as Toolbo	8 0X.
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L	C:\SOLIDWORKS Data 2023	blowse	
0	Use an existing SOLIDWORKS Toolbox: ① C:\SOLIDWORKS Data\2023	Browse	
	Upgrade a copy of your 2023 Toolbox data. ①		
X	?		<
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δS	SOLIDWORKS		202
SOL	olbox/Hole Wizard Options IDWORKS Toolbox includes a library of standard hardware. If you have multiple Toolbox e folder to simplify management of your Toolbox parts. The Hole Wizard will use the sa	users, consider using a	×
۲	Create a new SOLIDWORKS 2022 Toolbox: ① C:\SOLIDWORKS Data 2022	Browse	
0	Use an existing SOLIDWORKS Toolbox: ① C:\SOLIDWORKS Data	Browse	
	This is a 2021 Toolbox data folder. It will be upgraded by the Installation Manager durin		
	Upgrade a copy of your 2021 Toolbox data. ① [Click Browse to choose a location]		
×	?		<



8 Background downloader: disable it.



9 Start the installation.

- 10 If you have a network license, the server address is asked:
 - » 25734@ServerName (replace "ServerName" with your own server name).
- 11 » Installation.





8 After installation

1 Restart your computer.

2 Start SOLIDWORKS RX (search in Windows start menu) to check the graphic card compatibility

- » Diagnostic tab.
- » Update your driver if necessary.

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w	SOLIDWORKS Rx 2018 Application de bureau	ß	Statut Description ✓ Fabricant du système: Dell Modèle du système: Precision M4800 Fabricant de la carte: NVDIA Corporation Modèle de carte: NVDIA Carporation Vote carte 386.0 Vote carte de sphipue est prise en charge et le plote est à jour. diagnostic: Des informations sur la combinaison carte graphique/plote sont disponibles sur: http://www.solidewices.om/dagas/sectioss/sections/html
			Vous utilisez un système d'exploitation actuellement pris en charge. Dernier redémarrage il y a 3 jours 20 heures. Un redémarrage est en attente sur votre système. La variable d'environnement système TEMP a été définie. L'accès en écriture est établi pour le répetoire TEMP. Kebentoire système TEMP: 14, 16 o
			Le répertoire de sauvegarde de SOLIDWORKS a été défini. L'accès en écriture est établi pour le répertoire de sauvegarde de SOLIDWORKS. Répertoire de sauvegarde de SOLIDWORKS: 14,1 Go Le répertoire du fichier journal de SOLIDWORKS a été défini.
			Lecteur C:: 14,1 Go d'espace libre Lecteur D:: 297 Go d'espace libre c

- 3 Start SOLIDWORKS.
- 4 Active your licenses if asked (should be the case for Standalone licenses).



8 After installation

5 After starting SOLIDWORKS, 2 questions are asked:

- » Say **No** to the 2 to keep ALL your customization.
- » Otherwise it will get back to default **new** user interface of the new version.

Premium Cancel X
SOLIDWORKS 2022 Verifying Licer Verifying Lic

- **6** Then check in "Options", "File location", all your file location: since SOLIDWORKS keeps all previous settings, it also keeps default location pointing to previous installation folder in ProgramData\SOLIDWORKS 2022\, that we need to change to the new location since it contains the version number!
 - » Either change manually every entry.
 - » Or click "Edit All" and use "Find/Replace".

File Location	Current Path		New Path	
Material Databases 2	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\Custom Materials		C:\ProgramData\SolidWorks\SOLIDWORKS 2020\Custom Materials
Design Library 1	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\Design Library	C:\ProgramData\SolidWorks\SOLIDWORKS 2020\Design Library	
Custom Property Files	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\lang\french		C:\ProgramData\SolidWorks\SOLIDWORKS 2020\Jang\french
Symbol Library File	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\lang\french	C:\ProgramData\SolidWorks\SOLIDWORKS 2020\Jang\french	
Costing templates	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\lang\french\Costing template	s	C:\ProgramData\SolidWorks\SOLIDWORKS 2020\Jang\french\Costing templates
Sheet Formats 1	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\lang\french\sheetformat		C:\ProgramData\SolidWorks\SOLIDWORKS 2020\Jang\french\sheetformat
Weldment Property File	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\lang\french\Weldments		C:\ProgramData\SolidWorks\SOLIDWORKS 2020\Jang\french\Weldments
Material Databases 5	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\Matériaux personnalisés		C:\ProgramData\SolidWorks\SOLIDWORKS 2020\Matériaux personnalisés
Material Databases 3	C:\ProgramData\SolidWorks\SolidWorks 20	20\Sustainability		C:\ProgramData\SolidWorks\SolidWorks 2020\Sustainability
Thread Profiles	C:\ProgramData\SolidWorks\SOLIDWORKS	2020\thread profiles		C:\ProgramData\SolidWorks\SOLIDWORKS 2020\thread profiles
earch Paths 10	c\programdata\solidworks\solidv	rks\solidy Find and Replace X		c:\programdata\solidworks\SOLIDWORKS 2023\design library\
earch Paths 11	c\programdata\solidworks\solidv			c:\programdata\solidworks\SOLIDWORKS 2023\lang\french\weldments\
earch Paths 12	c\programdata\solidworks\solidv	\SOLIDWORKS 2022\	Find Next	c:\programdata\solidworks\SOLIDWORKS 2023\thread profiles\
Search Paths 13	c\programdata\solidworks\solidv	SOLIDWORKS 2023	Replace	c\programdata\solidworks\solidworks 2023\design library\
earch Paths 14	c\programdata\solidworks\solidv			c\programdata\solidworks\solidworks 2023\Jang\english\sheetformat\
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earch Paths 18	c\solidworks data\2022 connected\			c\solidworks data\2022 connected\
earch Paths 19	c\solidworks data\2022 pr1\			c\solidworks data\2022 pr1\
Search Paths 20	c\solidworks data\2022\			c\solidworks data\2022\
earch Paths 21	c\solidworks data\2023 connected\			c:\solidworks data\2023 connected\
Search Paths 22	c\solidworks data\2023\			c:\solidworks data\2023\
				to an a contra to a second to a se

Finally, check that everything is working and save your SOLIDWORKS Settings again!













Breaking Barriers ...

Cadmes is there for companies that want to grow, innovate, and dare to challenge the status quo. With our expertise and experience within the industry, we can provide you with the appropriate assistance to successfully undergo transformation and work across value chains.









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