

# 2021 PDM Standard Server Installation

TITLE:	PDM Standard Server Installation Guide	
DATE:	September 2020	
SUBJECT:	PDM server install	
ABSTRACT:	Comprehensive guide on installing the PDM Server for SOLIDWORKS 2021	



This guide is written for administrators of SolidWorks PDM Standard. The goal of this guide is to detail the steps necessary for an administrator to successfully install the server components of the PDM Standard installation. Please see the installation guide for the PDM Client for information about installing that component.

SOLIDWORKS PDM Standard is used to securely store and manage files. The server components of PDM Standard run as services and are supported on Windows Server 2019 and Windows Server 2016. The Database server component is supported with Microsoft SQL Server 2014, 2016 and 2017.

This is not a troubleshooting guide. If you have any technical issues with SolidWorks, please search the [Hawk Ridge Systems Help Center](#), or contact Hawk Ridge Systems technical support.

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## Contents

2021 PDM Standard Server Installation .....	1
Before Installation.....	2
Installation of PDM Standard Server Components.....	4

## Before Installation

Hawk Ridge Systems highly recommends taking a moment before installing SOLIDWORKS and checking that you are ready to load your new software. First, ensure that your system meets [minimum system requirements](#) for the products you are installing.

Below are the primary operating system and software requirements for SOLIDWORKS PDM 2021 server components.

### SOLIDWORKS Server Products

	SOLIDWORKS 2019	SOLIDWORKS 2020	SOLIDWORKS 2021
<b>Operating Systems</b>			
Windows Server 2019	✓ (2019 SP3)	✓	✓
Windows Server 2016	✓	✓	✓
Windows Server 2012 R2	✓	✗	✗
<b>SQL Server</b>			
SQL 2019	✗	✓	✓
SQL 2017	✓	✓	✓
SQL 2016	✓	✓	✓
SQL 2014	✓	✓ SQL 2014 SP3 required	✓ SQL 2014 SP3 required (End of Life: SW2021 SP5)
SQL 2012	✓	✗	✗

Below are the basic hardware requirements for a SOLIDWORKS PDM 2021 server.

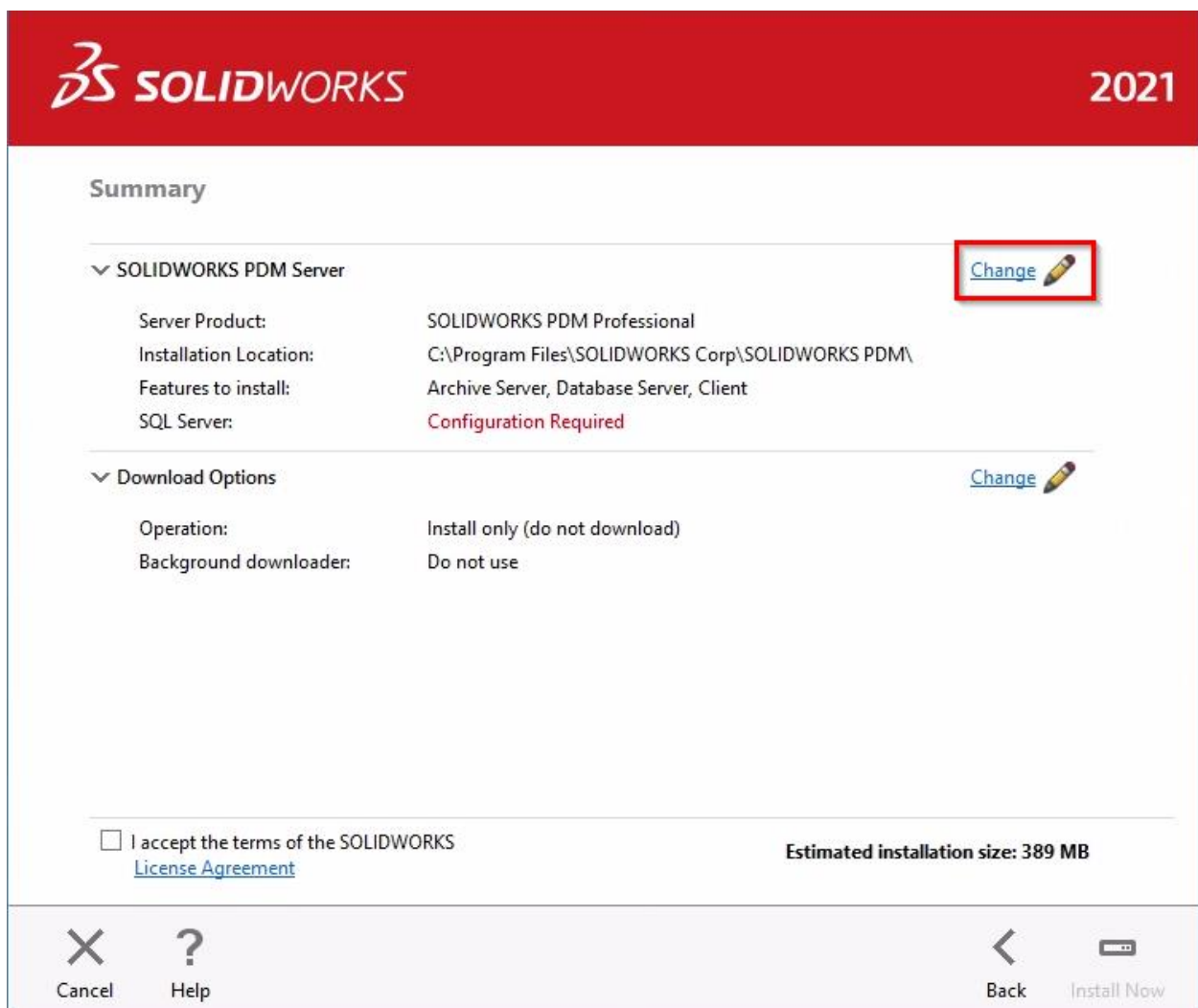
<b>Hardware</b>	
Processor	3.3 GHz or higher
RAM	16 GB or more PDM Contributor/Viewer or Electrical Schematic: 8 GB or more
Graphics Card	Certified cards and drivers
Drives	SSD drives recommended for optimal performance

SOLIDWORKS also supports a small number of virtual environments for the PDM Server components.

<b>Virtualization Environment</b>	<b>SOLIDWORKS 2018</b>	<b>SOLIDWORKS 2019</b>	<b>SOLIDWORKS 2020</b>
VMware vSphere ESXi	6.0	6.5	6.7
VMware Workstation	9	14	15
Microsoft Hyper-V	2012	2016	2019
Parallels Desktop, Mac	10	14	14
Citrix XenServer	6.2	7.4	7.6

# Installation of PDM Standard Server Components

1. Insert and run the SOLIDWORKS Installation disc 1 or run the "Setup.exe" file inside your downloaded installation folder.
2. Select "Install server components" > "Install SOLIDWORKS PDM Server", and "Next".
3. If you had selected to install the SolidNetwork License Manager on the previous page, please enter your PDM serial number in the appropriate field and press "Next".
4. Select "Change" next to "SOLIDWORKS PDM Server".



**SOLIDWORKS** 2021

### Summary

▼ SOLIDWORKS PDM Server [Change](#)

Server Product:	SOLIDWORKS PDM Professional
Installation Location:	C:\Program Files\SOLIDWORKS Corp\SOLIDWORKS PDM\
Features to install:	Archive Server, Database Server, Client
SQL Server:	Configuration Required

▼ Download Options [Change](#)

Operation:	Install only (do not download)
Background downloader:	Do not use

I accept the terms of the SOLIDWORKS [License Agreement](#) **Estimated installation size: 389 MB**

Cancel Help Back Install Now



5. Select "SOLIDWORKS PDM Standard", check both "Archive Server" and "Database Server", input your SQL server login information to either use an existing instance or create a new one, and then select "Back to Summary". We recommend that you download and install MS SQL Management Tools when installing a new instance.

Note that you can also choose to install the Client component here if needed. Please see the guide for that product for more information.

**SOLIDWORKS PDM Server** 2021

▼ Select Server Product

- SOLIDWORKS PDM Standard
- SOLIDWORKS PDM Professional

▼ Installation Location

C:\Program Files\SOLIDWORKS Corp\SOLIDWORKS PDM

▼ Select Features

- Archive Server
- Database Server
- Client

▼ SQL Server

Name: localhost\SWPDM

- Install new instance of SQL Server Express
- Use an existing SQL Server Express database

Enter password for SQL system administrator (sa):



6. Select "Change" Next to "Download Options" to verify that your download options are correct. Adjust these as needed and select "Back to Summary".

The screenshot shows the SolidWorks 2021 installation interface. At the top, the SolidWorks logo and '2021' are displayed on a red background. Below this, the 'Download Options' section asks 'What do you want to do?' with three radio button options: 'Download and install' (selected), 'Download only', and 'Install only, I already have all the installation files needed.' The next question is 'Where do you want to download the required files?' with a text field containing 'C:\Users\Papers...KS Downloads\SOLIDWORKS 2021 Pre Release 1' and a 'Browse...' button. Below this, the 'Estimated download size' is shown as '1.1 GB (2.1 GB total disk space needed)'. The 'Additional options' section includes two checkboxes: 'Use the background downloader for future service packs' (with an information icon) and 'Conduct manual download - Use this option if you have trouble downloading automatically.' At the bottom, there are three buttons: 'Cancel' (with an X icon), 'Help' (with a question mark icon), and 'Back to Summary' (with a left arrow icon).

7. Accept the terms of the SOLIDWORKS License Agreement and select "Install Now", or "Download and Install", depending on your selection in "Download Options".
8. If the installation prompts a restart of the computer, that should be followed accordingly. After this is finished, the PDM Standard server installation is complete.