2020 PDM Standard Server Installation

TITLE:	PDM Standard Server Installation Guide	
DATE:	September 2019	
SUBJECT:	PDM server install	
ABSTRACT:	Comprehensive guide on installing the PDM Server for SOLIDWORKS 2020	

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 Knowledge Base, or contact Hawk Ridge Systems technical support.

Contents

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 computer meets minimum system requirements and that your video card passes certification checks. Also, confirm that the hard drive has enough space to have at least 15% free space after the full installation. Back-up data such as any shared Toolbox library, Design Library, Template files, or a data management vault. As always, verify workmates, customers, or vendors are all on the same version of SOLIDWORKS. Older versions of SOLIDWORKS cannot open files from newer versions.

Below are the primary operating system and software requirements for SOLIDWORKS PDM 2020 server components.

SOLIDWORKS Server Products

	SOLIDWORKS 2018	SOLIDWORKS 2019	SOLIDWORKS 2020
Operating Systems			
Windows Server 2019	✘	✔ (2019 SP3)	✔
Windows Server 2016	✔	✔	✔
Windows Server 2012 R2	✔	✔	✘
Windows Server 2012	✔	✘	✘
SQL Server			
SQL 2017	✘	✔	✔
SQL 2016	✔	✔	✔
SQL 2014	✔	✔	✔ (End of Life: SW2021 SP5)
SQL 2012	✔	✔	✘

Below are the basic hardware requirements for a SOLIDWORKS PDM 2020 server.
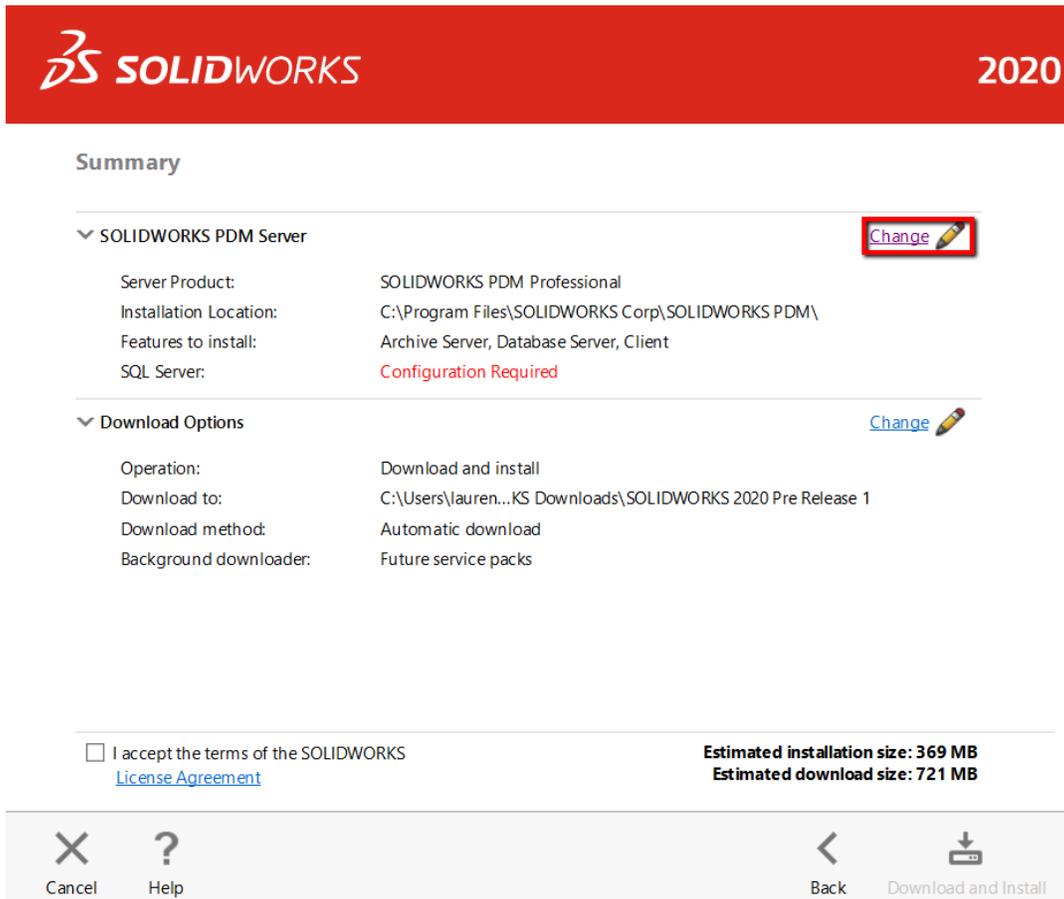
Hardware	
Processor	3.3 GHz or higher
RAM	16 GB or more PDM Contributor or Viewer: 8 GB or more ECC RAM recommended
Graphics Card	Certified cards and drivers
Drives	SSD drives recommended for optimal performance

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

Virtualization Environment	SOLIDWORKS 2017	SOLIDWORKS 2018	SOLIDWORKS 2019
VMware vSphere ESXi	6.0 (SW2017 SP2)	6.0	6.5
VMware Workstation	9	9	14
Microsoft Hyper-V	2012	2012	2016
Parallels Desktop, Mac [1]	10	10	10
Citrix XenServer	6.2	6.2	7.4

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 "Server Products" > Install SOLIDWORKS PDM Server, and "Next".

3. Enter your PDM serial number in the appropriate field and press "Next".

4. Select "Change" next to "SOLIDWORKS PDM Server".

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 checking the box to "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.

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

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.