Before attempting to Upgrade any PDM Server components, please be sure to create backups of your data.

After upgrading PDM Server to 2022 or greater from an earlier version, you will need to upgrade your SQL version if it is not 2016 or higher.

If you have not updated your SQL, you will run into the error "SOLIDWORKS PDM Support SQL 2016 and above" during the Database Upgrade step.

SOLIDWORKS PDM Da	tabase Upgrade Wizard [Step 2]	>
Select or enter the nam PS51A8343\SQLEXPRE	File Vault Setup Wizard SOLIDWORKS PDM supports SQL Server 2016 and above.	× rade:
	OK	

You may also see the following error when attempting to log into the vault.

SOLIDWORKS PDM Administration		- 🗆 X
File View Help		
• • • • • • • •		
 ✓ SOLIDWORKS PDM Administration ✓ I Ps51a8343 I TestVault ✓ I Local Settings ③ Group Policies ▲ Log File ☑ Settings 	Recently Used	

The first step to updating your SQL is to confirm the compatibility with your Windows Server Operating System

SQL Server in Windows operating system - SQL Server | Microsoft Learn

After verifying compatibility, use Microsoft's website to obtain the installation files. Choose the version that your server is compatible with. (2016 or 2019)

If you need to upgrade SQL Standard, the paid for version that is needed for PDM professional, you will need to get the installation files from the Microsoft Volume License Service Center. Here is the link: <u>Volume Licensing Service Center (microsoft.com)</u>

Below are the links for SQL express:

SQL 2016 SP3

KB3177534 - How to obtain the latest service pack for SQL Server 2016 (microsoft.com)

SQL 2019:

Download Microsoft® SQL Server® 2019 Express from Official Microsoft Download Center

SQL 2019 latest cumulative update (you will need to do this after upgrading to SQL 2019):

Download SQL Server[®] 2019 for Microsoft[®] Windows Latest Cumulative Update from Official Microsoft Download Center

After installing the executable, you will want to run it as administrator. Be sure to select Custom.



After selecting custom, you will select install.

sql Server 2019 Express Edition		© – ×
Specify SQL Server media downloa MEDIA LOCATION *: CASQL2019	ad target location	MINIMUM FREE SPACE 6578 MB DOWNICOAD SIZE 266 MB
	Close < Pre	vious Install 15.2204.5490.2

Under the Installation section of the SQL Server Installation Center, you need to select upgrade from a previous version of SQL Server.

📸 SQL Server Installation Center		- 0	×
Planning Installation	E	New SQL Server stand-alone installation or add features to an existing installation Launch a wizard to install SQL Server 2019 in a non-clustered environment or to add features to an existing SQL Server 2019 instance.	î
Maintenance Tools Resources		Install SQL Server Reporting Services Launch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRS.	
Options		Install SQL Server Management Tools Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.	
	<u> </u>	Instain SQL Server Data Tools (SSDT). Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visual Studio integration including project system support for Microsoft Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT.	
	1	Upgrade from a previous version of SQL Server Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2019. Click here to first view Upgrade Documentation	
Microsoft SQL Server 2019			

You will accept the license agreements and select next.



You will then select your instance that PDM exists on. Then hit next.

Specify the instance of	SQL Server to modify.					
Jpgrade Rules Select Instance Select Features Feature Rules Jpgrade Progress Tomplete	Select the instance features" and then or Instance to upgrade SQLEXPRESS Installed instances:	of SQL Server to upgrade click next. e:	e. To upgrade only sha	ared features, sel	ect "Upgrai	de shared
	Instance Name	Instance ID	Features	Edition	Ver	sion
	SQLEXPRESS	MSSQL12.SQLEXPR	SQLEngine, SQLEng	Express	12.3	.6024.0

If you have any features, you will select them in the options prior to this next screen shot. If you do not have any features, it will automatically send you to the last step. This process can take a fair amount of time depending on the size of your database.

Upgrade to SQL Server 20	119		-		×
Complete Your SQL Server 2019 u	ipgrade completed successfully with product upda	tes.			
Upgrade Rules Select Instance	Information about the Setup operation of	or possible next steps:			
Select Features	Feature	Status	_		
Feature Rules	Database Engine Services	Succeeded			
Upgrade Progress	SQL Server Replication	Succeeded			
Complete	SQL Browser	Succeeded			
	Details: Install successful.				
	Summary log file has been saved to the f <u>C:\Program Files\Microsoft SQL Server\1</u> \Summary ps51a8343_20221025_1055	ollowing location: 50\Setup Bootstrap\Log\20221025_105541 41.txt			
				Close	e

After completion, you will have to **restart your server**.

If you did not upgrade the SQL Cumulative update yet, you will receive the following error when trying to upgrade your PDM database.



Please download the latest cumulative update from the Microsoft website. Run the executable and **accept the license agreement**, then select **next**.



Select all PDM existing instances, then hit next.

SQL Server 2019 update Instances: Description Select Features Latabase Engine Services SQL Server Replication Check Files In Use Solared Features Solared Features Lypdate Progress SQL Client Connectivity SDK Language Edition: Patch Lev Architect Patch Lev			ate.	Select Features Specify the features to update
Service Pa	n:	Description:	Instances: SQLEXPRESS Database Engine Services SQL Server Replication Solution SQL Client Connectivity SDN	SQL Server 2019 update License Terms Select Features Check Files In Use Ready to update Update Progress Complete

Select **next**.

SQL Server 2019 update License Terms	Files in use check completed.				Refresh chec
Select Features Check Files In Use	Process	Туре	Account	Process	ID
Ready to update	SWVisualize2021.Q	ueue Service	NT AUTHORITY\SYSTEM	2720	
Update Progress	ps_service	Service	NT AUTHORITY\SYSTEM	2852	
	The 'SWVisualize20	21.Queue Server' service i	s not controlled by the update wiza	d. You hav	e to manually

Select **update**.

🛐 Install a SQL Server 2019 upo	late — C	×
Ready to update Verify the list of features to SQL Server 2019 update	be updated. Ready to update:	
License Terms Select Features Check Files In Use Ready to update Update Progress Complete	SQL Server Replication SQL Server Replication Sql Attributes Language: English - United States Edition: Express Patch Level: 15.0.2000.5 Processor Type: x64 Service Pack: Upgrade Status: Not installed. Service Pack Sql Client Connectivity SDK Attributes Language: Edition: Patch Level: 15.0.2000.5 Processor Type: x64 Service Pack: Upgrade Status: Not installed. Service Pack: Upgrade Status: Not installed. Service Pack: Upgrade Status: Not installed. Service Pack: Upgrade Status: Not installed.	~
	Configuration file path:	
	< Back Update C	ancel

You will need to **restart your server** after the cumulative update.

Install a SQL Server 2019 up	idate		-		>
Complete Your SQL Server 2019 up	date operation is complete.				
SQL Server 2019 update	Information about the Setup operation or possib	ole next steps:			
Calast Eastures	Feature	Status			
Select reatures	Database Engine Services (SQLEXPRESS)	Succeeded			
Lheck Files In Use	SQL Server Replication (SQLEXPRESS)	Succeeded			
Ready to update	SQL Browser (SQLEXPRESS)	Succeeded			
Jpdate Progress	SQL Writer (SQLEXPRESS)	Succeeded			
Complete	Setup Support Files (SQLEXPRESS)	Succeeded			
	Computer restart required One or more affected files have operations p process is completed.	pending. You must restart your comp	uter after th	ie setup	>
	Copy message		C	ОК	
	Summary log file has been saved to the followin <u>C\Program Files\Microsoft SQL Serven150\Setu</u> <u>\Summary_ps51a8343_20221025_120108.txt</u>	g location: up Bootstrap\Log\20221025_1201	<u>08</u>		
				Close	e

After you restart your server, the SQL upgrade is complete.

Your SQL Server 2019	upgrade completed successfully with product upda	tes.		
Upgrade Rules	Information about the Setup operation of	r possible next steps:		
Select Instance	Feature	Status		_
Select Features	Database Engine Services	Succeeded		
Feature Rules	SQL Server Replication	Succeeded		
Upgrade Progress	SQL Browser	Succeeded		
Complete	SQL Writer	Succeeded		
	Details:			
	Details: Install successful.			
	Details: Install successful. Summary log file has been saved to the f	ollowing location:	1	

To finish the database upgrade, navigate to your SolidWorks installation media and run the Upgrade.exe \SOLIDWORKS 2022 SP04\SOLIDWORKS 2022 SP04\SWPDMServer\Upgrade

File Vault	Vault Type	Database	Version	Status
TestVault	Standard	TestVault	29.5	Ready for up

Open the upgrade tool and run it. Select your vault and click next.

Select **next**.

SOLIDWO	ORKS PDM Database Upgrade Wizard [Step 4]	×
This step	will perform the upgrade of the selected SOLIDWORKS PDM file vault databases. Click 'Next' to begin.	
Va <mark>ult:</mark>	TestVault	
Status:	Adding new Triggers	
	< Back Next >	Cancel

Select Finish.



After this, you should now have a working PDM client and server with all compatible components.