



## SQL SERVER EXPRESS UPGRADE NOTES

UPGRADE TO SQL 2014/2016/2017/2019/2022

SQL Server Express should be upgraded by a competent IT person.

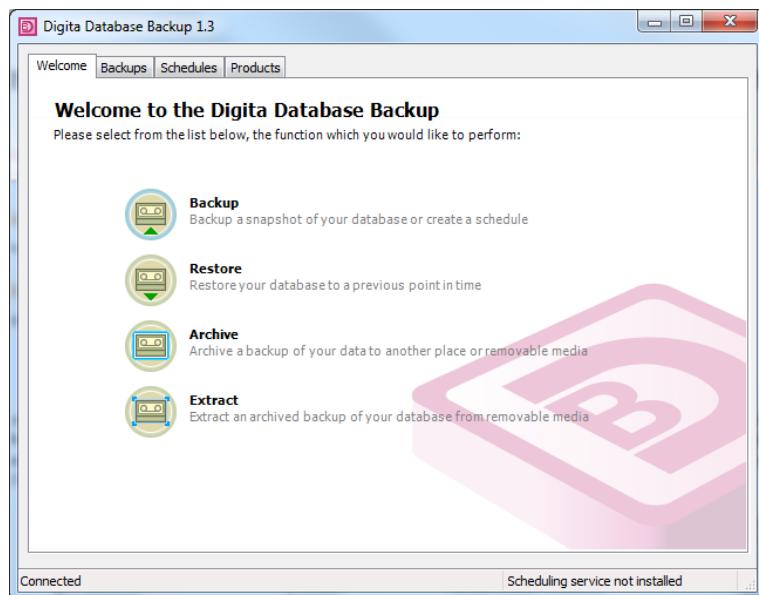
*Please pass this documentation to your IT department or the person installing The Suite.*

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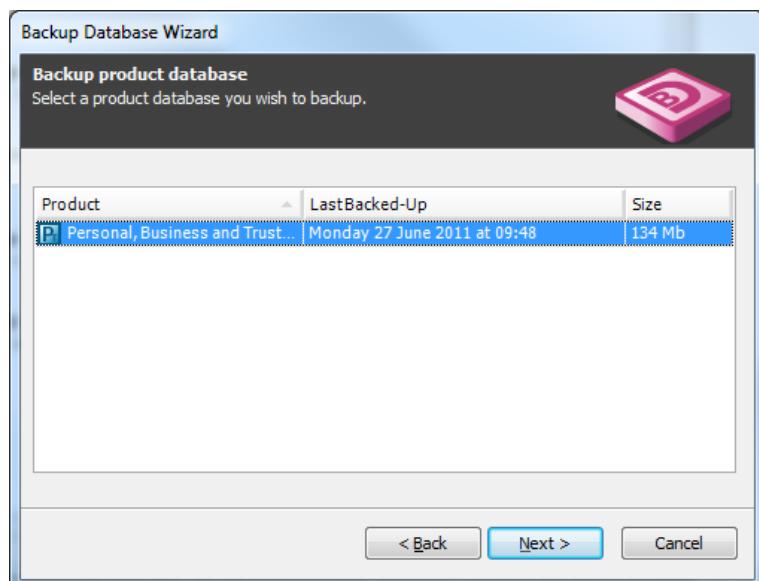
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## BACKUP ALL YOUR DATABASES

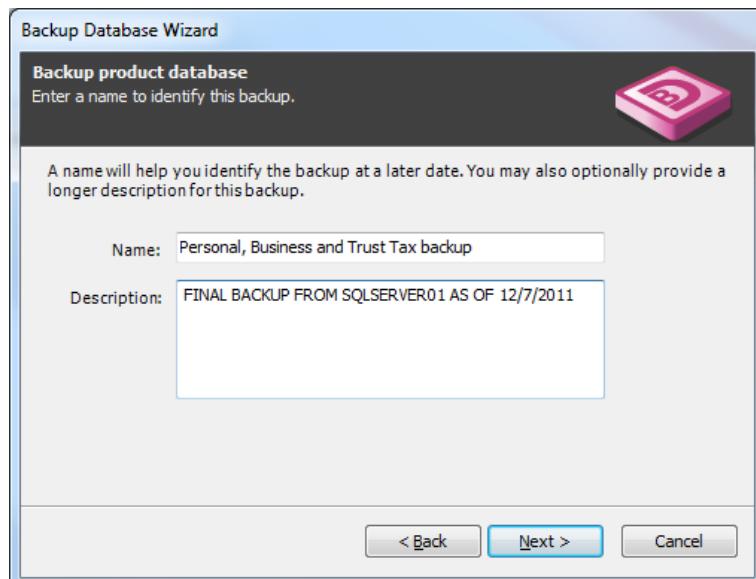
On your existing server please ensure that each database is backed up and archived to a suitable location. To archive a backup to a location of your choice open the Digita Database Backup Tool and click on 'Backup' the top choice from the four circles as shown below.



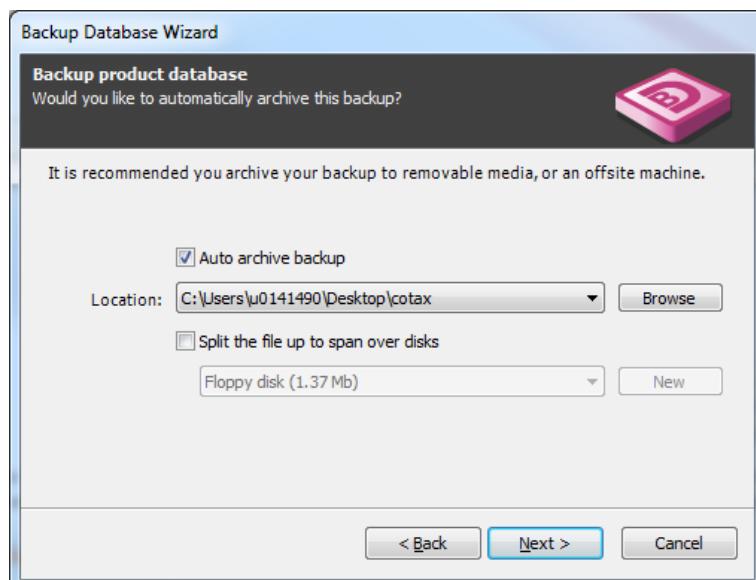
Once you have clicked on 'Backup', click on 'Next' to begin the 'Backup Wizard'. Highlight the database you wish to backup and click 'Next' as shown below.



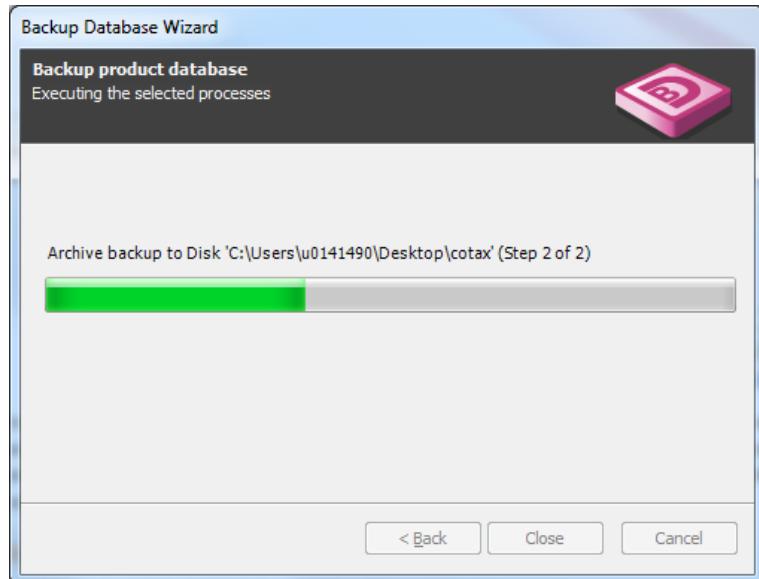
The next screen allows you to give the backup a name and attach any important information that may help you identify the backup later on when you come to the restoration stage. There is an example below.



Once you have attached a description of the backup click 'Next'. On the next screen click 'Next' ensuring that the 'Run this backup now' radio button is selected. You should now be presented with the option to 'Auto archive backup' as shown below.



Please ensure that the 'Auto archive backup' checkbox is ticked. You can select the location for the archived copy of the backup to be saved to by clicking on the 'Browse' button as shown in the above screenshot. Once you are happy with the archive location click 'Next' then 'Finish' to begin the backup. You should see the progress bar move all the way to the right and a message to say the backup has been successful.



## CHECK WHAT YOU HAVE INSTALLED

If you are unsure of which edition you have, download and run this BAT file...

<https://productdownloads.digita.com/digitavarious/SQLVersion.bat>

If there is no reference to 64-bit in the product edition displayed, you can only upgrade to the 32-bit version of SQL Server 2014.

## SQL SERVER SERVICE PACK

Before upgrading SQL Server, you may need to apply the service pack to the version of SQL Server currently installed.

The information contained in the 'SQLVersion.bat' run earlier will tell you which version you are currently on.

**SQL Server 2008** needs Service Pack 4 or later to be applied before it can be upgraded to SQL Server 2014/2016.  
Download Service Pack 4: <https://www.microsoft.com/en-us/download/details.aspx?id=44278>

**SQL Server 2008R2** needs Service Pack 3 for to be applied before it can be upgraded to SQL Server 2014/2016  
Download Service Pack 3: <https://www.microsoft.com/en-us/download/details.aspx?id=44271>

**SQL Server 2012** needs at least Service Pack 2 to be applied before it can be upgraded to SQL Server 2014/2016/2017.  
Download Service Pack 4: <https://www.microsoft.com/en-us/download/details.aspx?id=56040>

**SQL Server 2014** does not require a Service Pack to be installed before upgrading to SQL Server 2016/2017/2019.

**SQL Server 2016** does not require a Service Pack to be installed before upgrading to SQL Server 2017/2019.

**SQL Server 2017** does not require a Service Pack to be installed before upgrading to SQL Server 2019.

The Digita Suite is supplied with SQL Server 2017 Express.

The SQL Server Upgrader will not allow the upgrade to proceed unless the current installation meets the minimum Service Pack requirements.

When installing the Service Pack, the dialogs will be almost identical to the SQL Server Upgrade dialogs shown in the next section.

## SQL SERVER COMPATIBILITY

Before proceeding, check compatibility with your Windows operating system. The grey shading covers versions supported by the Digma Suite.

SQL Server Versions			
32-bit / 64-bit		64-bit only	
2014 (v12)	2016 (v13)	2017 (v14)	2019 (v15)

Microsoft Windows Server 2012 - Out of support from October 2023	✓	✓	✓	✗
Microsoft Windows Server 2016	✓	✓	✓	✓
Microsoft Windows Server 2019	✓	✓	✓	✓
Microsoft Windows Server 2022	✗	✗	✓	✓

Windows 10	✓	✓	✓	✓
Windows 11	✗	✗	✓	✓

\*Out of Support from July 2022

## DOWNLOAD & LAUNCH SQL SERVER EXPRESS

Please note that you should temporarily disable any Anti-virus software you have installed to ensure the installation is not interrupted or halted in any way.

First you must find the SQL Express installer, which can be found in the extracted Suite files: \Updates\SQL2017\

Alternatively, it can be downloaded from here:

- SQL Server 2014 – for 32-Bit support only.  
<https://productdownloads.digita.com/digitavarious/Updates/SQL2014.zip>
- SQL Server 2016 Express  
<https://productdownloads.digita.com/digitavarious/Updates/SQL2016.zip>
- SQL Server 2017 Express. Recommended.  
<https://productdownloads.digita.com/digitavarious/Updates/SQL2017.zip>
- SQL Server 2019 Express.  
<https://productdownloads.digita.com/digitavarious/Updates/SQL2019.zip>
- SQL Server 2022 Express.  
<https://productdownloads.digita.com/digitavarious/Updates/SQL2022.zip>

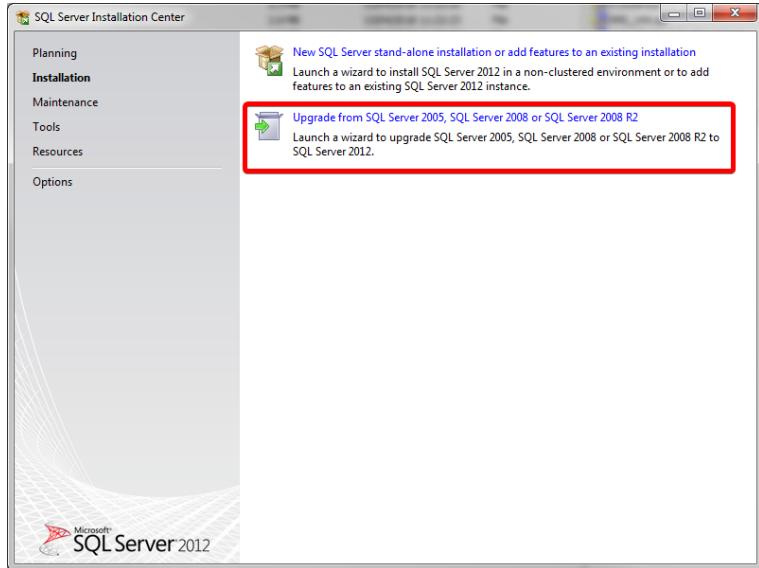
Once downloaded, right click on the ZIP file and select **Extract All**. Then run one of the following files...

**SQLExpr\_x64\_ENU.exe** is for 64-bit versions. There is no 32-bit version unless you are installing SQL Server 2014.

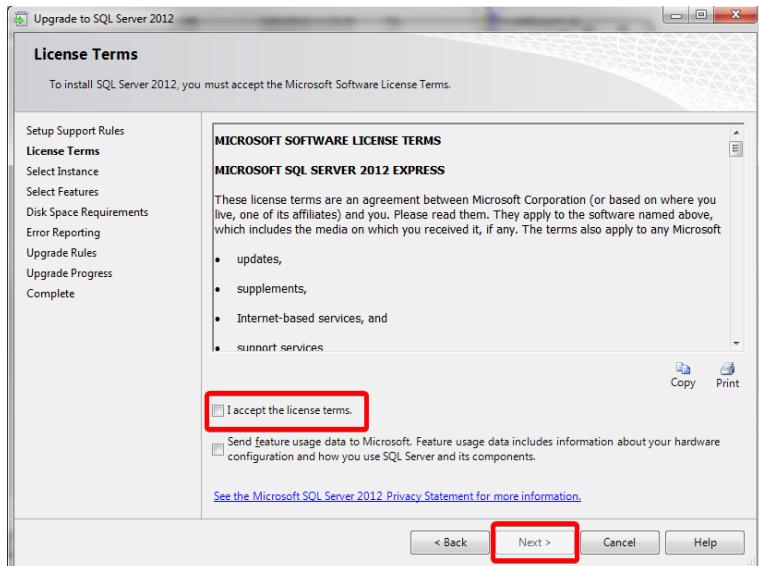
## BEGIN THE UPGRADE

Double click the installer file to run the SQL Server 2017 Express installation. You will be presented with the following screen. Select the Upgrade from SQL Server 2012, 2014 or 2016 option.

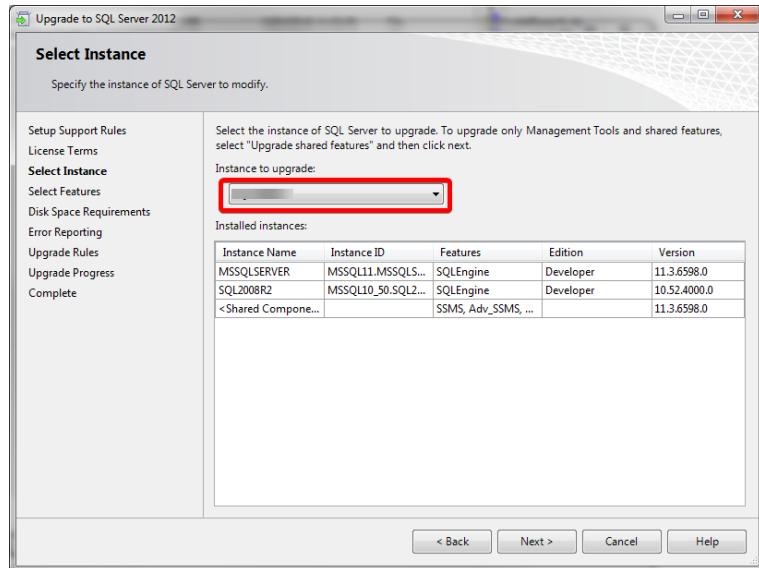
Note, the upgrader dialogs will be the same if you are upgrading to SQL Server.



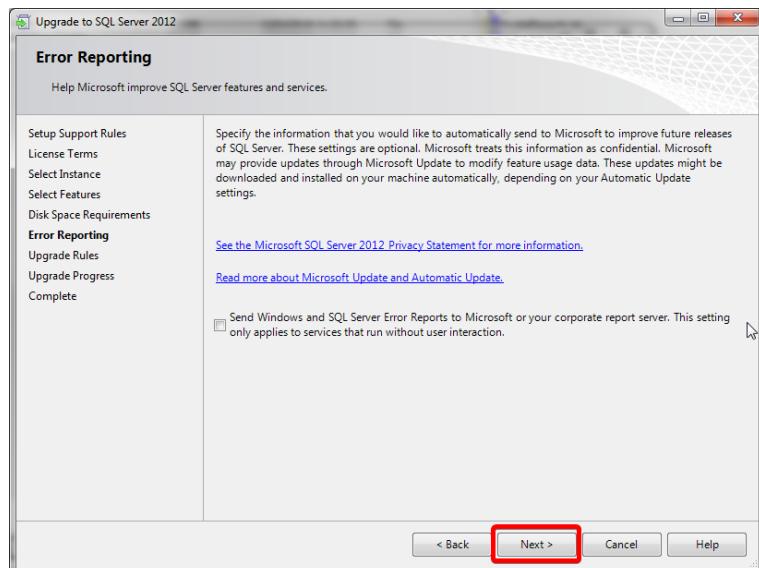
Read and accept the licence agreement as shown below. Then click Next



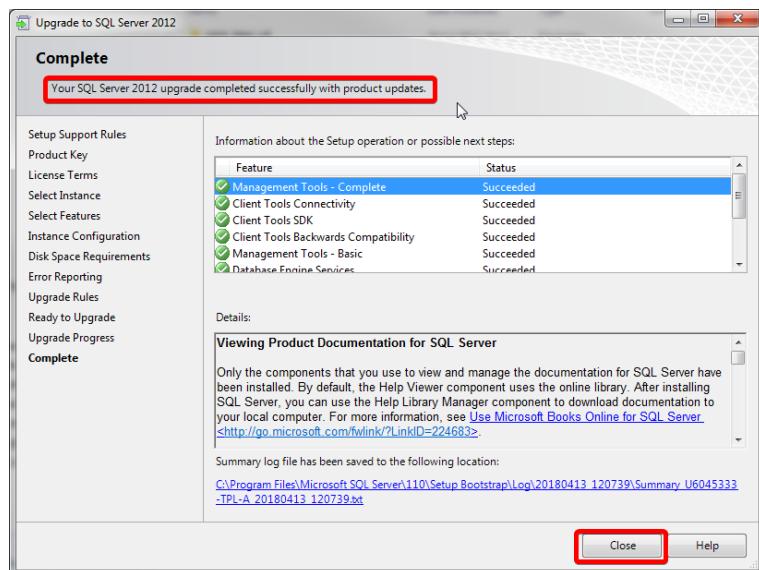
Select MSSQLSERVER from the Instance to upgrade dropdown as this is the default instance that the Digita software is installed to.



Click on Next to proceed to the Error Reporting screen. We recommend leaving the box blank and not sending error reports to Microsoft.



Once you the progress bar is completely filled you should be presented with the following screen informing you that the upgrade has been successful. If the upgrade completes with any errors, then you can access the summary log by clicking on the link on the 'Complete' section of the installer and attaching it to any support requests.



If the upgrade completes successfully as shown in the screen above, then click Close.

You are now running a default instance of Microsoft SQL Server 2017 Express. Please restart your server machine before accessing the Digita Software.

## UPGRADE ERROR

If you get the following error message, it means you have SQL Server Standard already installed, and are trying to upgrade it with the lesser Express version which is not possible.



The solution is to upgrade using the SQL Server Standard Edition, for which you should contact your Account Manager for a quote.

## DATABASE BACKUP TOOL UPGRADE

Once you have upgraded SQL Server, you will need to upgrade the Database backup Tool on the server. If you are upgrading to....

SQL Server 2016-2022 (v13-v16)

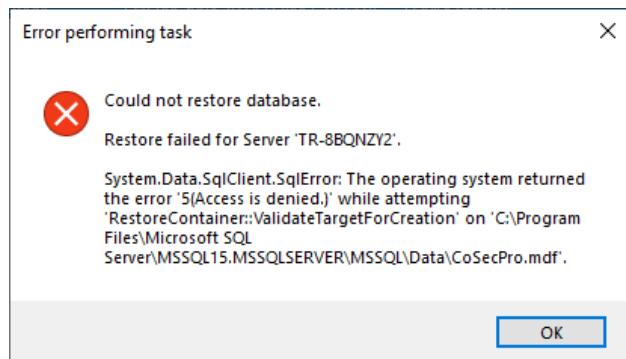
Download and install: [https://productdownloads.digita.com/digitavarious/DDB\\_2\\_0\\_1005.zip](https://productdownloads.digita.com/digitavarious/DDB_2_0_1005.zip)

SQL Server 2008-2014 (v10-v12)

Download and install: [https://productdownloads.digita.com/digitavarious/DDB\\_1\\_7\\_261.zip](https://productdownloads.digita.com/digitavarious/DDB_1_7_261.zip)

## ALL SQL SERVER VERSION UPGRADES

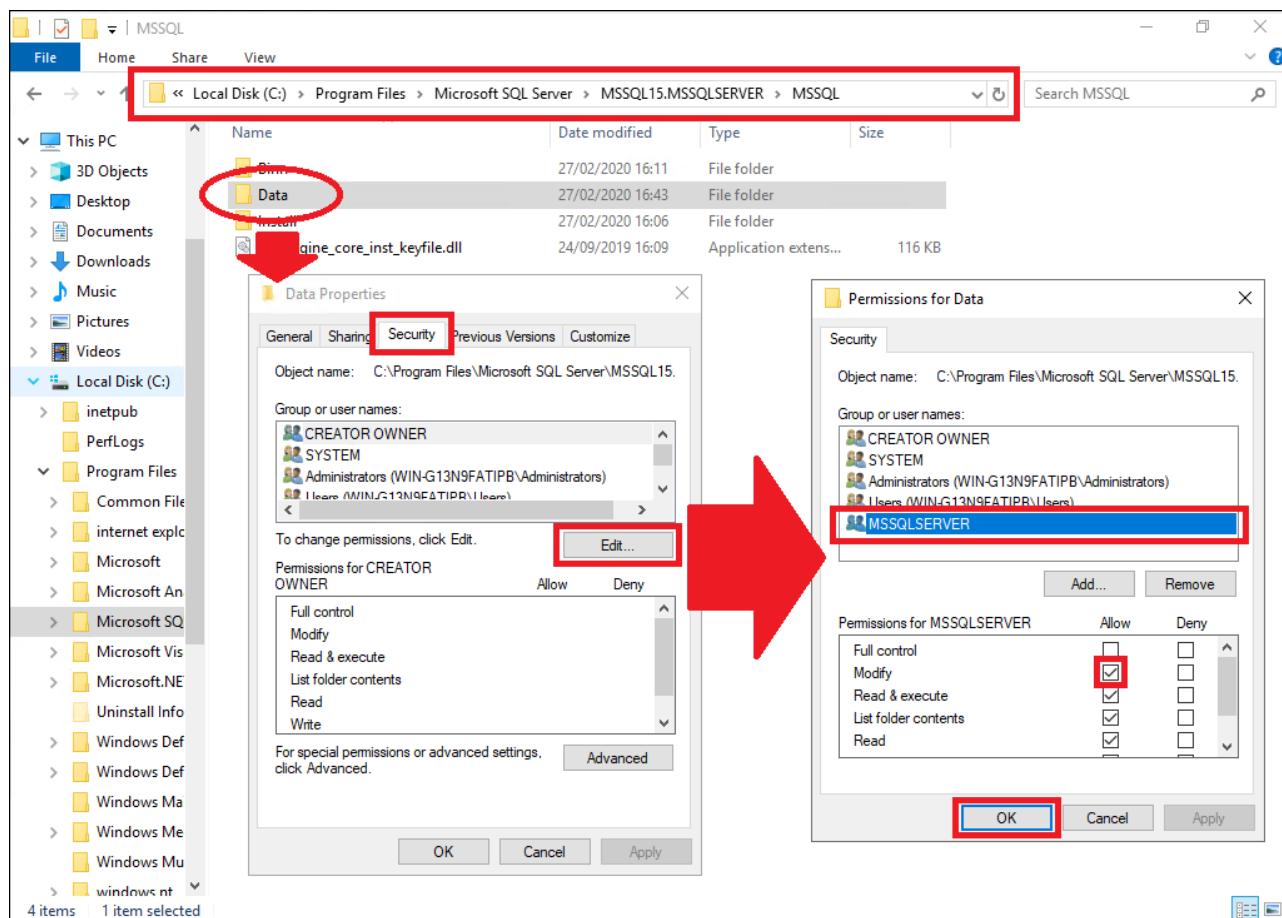
Upon upgrade, all existing database remain in the folder they were before upgrade. However restoring or installing a new database will make use of the new 'Data' folder location. In some cases, the following error might appear.



The solution to this 'Access is denied' error is to navigate to the 'Data' folder noted in the error (as shown below), right click on the Data folder and select 'Properties'. If you are pre-empting this, you may need to create the folder first.

The number in the middle of the path relates to the version of SQL Server: 14 = SQL 2017; 15 = SQL 2019; 16 = SQL 2022.

Select the 'Security' tab, and select 'Edit'. Select 'MSSQLSERVER' user, then check the 'Modify' check box. Then 'Ok'.



The database will then successfully restore.