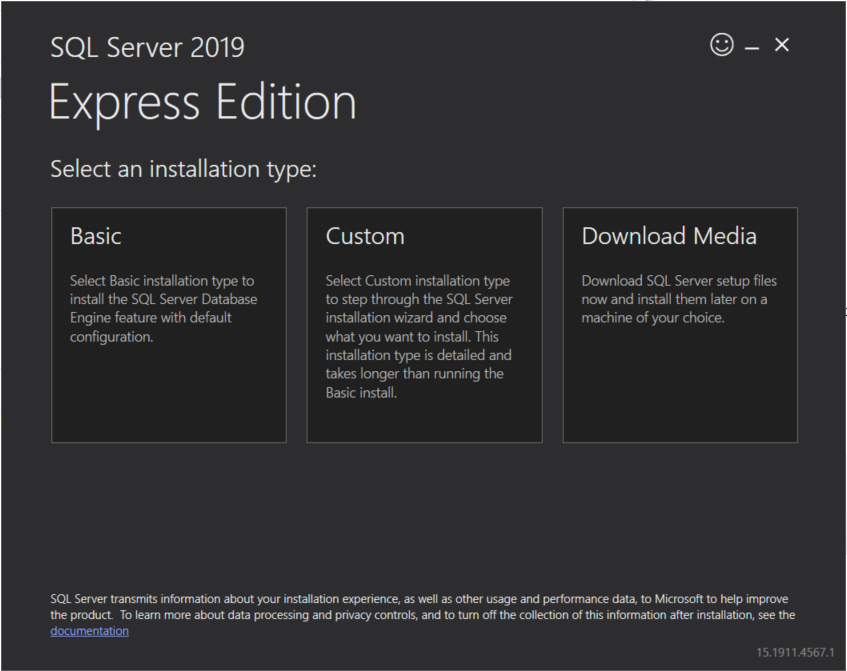
# Installing SQL Express 2019

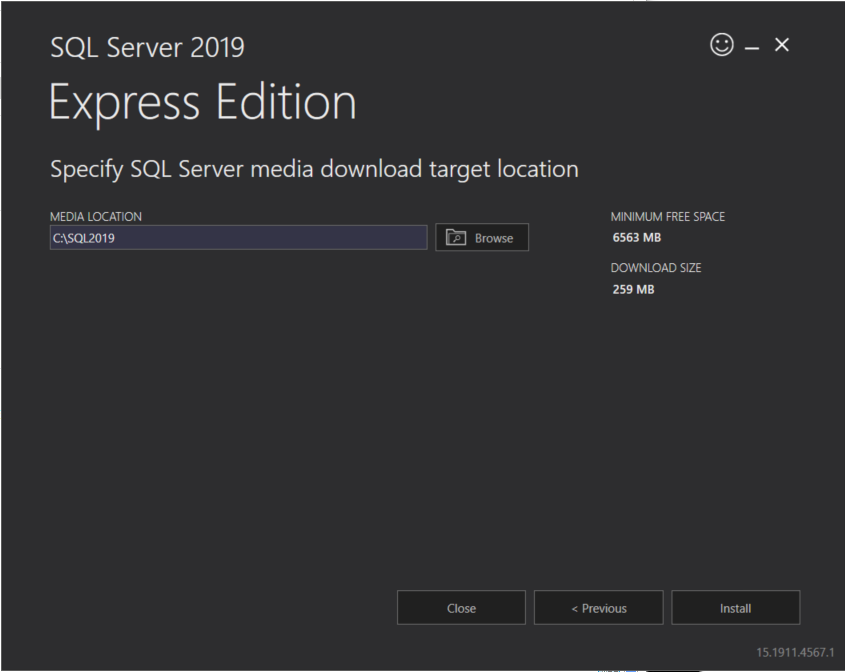
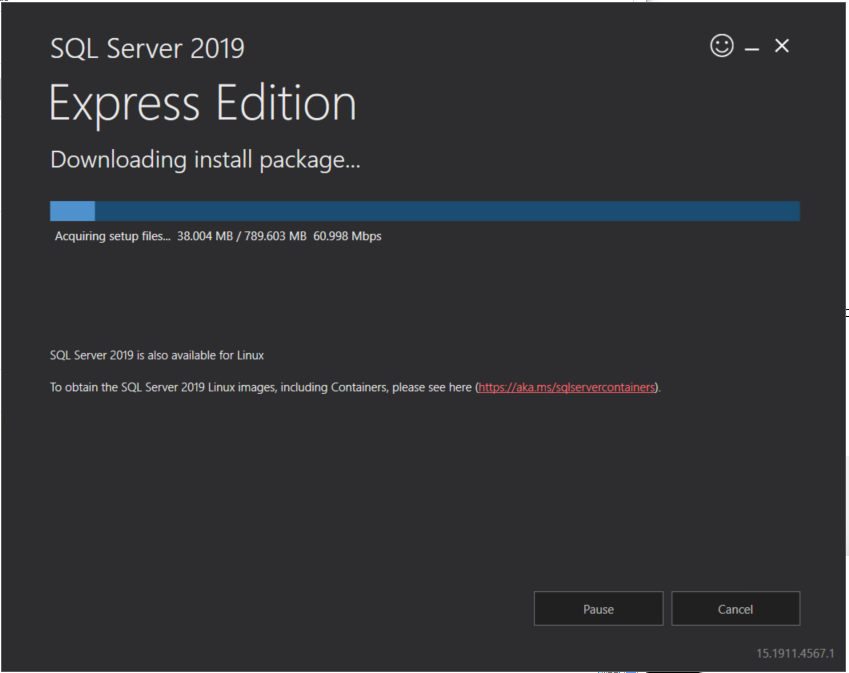
Prerequisites  
You will need to be running Windows 8, 10 or above, or SQL Server 2012 or above.

## Download

You can download SQL Express 2019 using this link:  
<https://go.microsoft.com/fwlink/?linkid=866658>

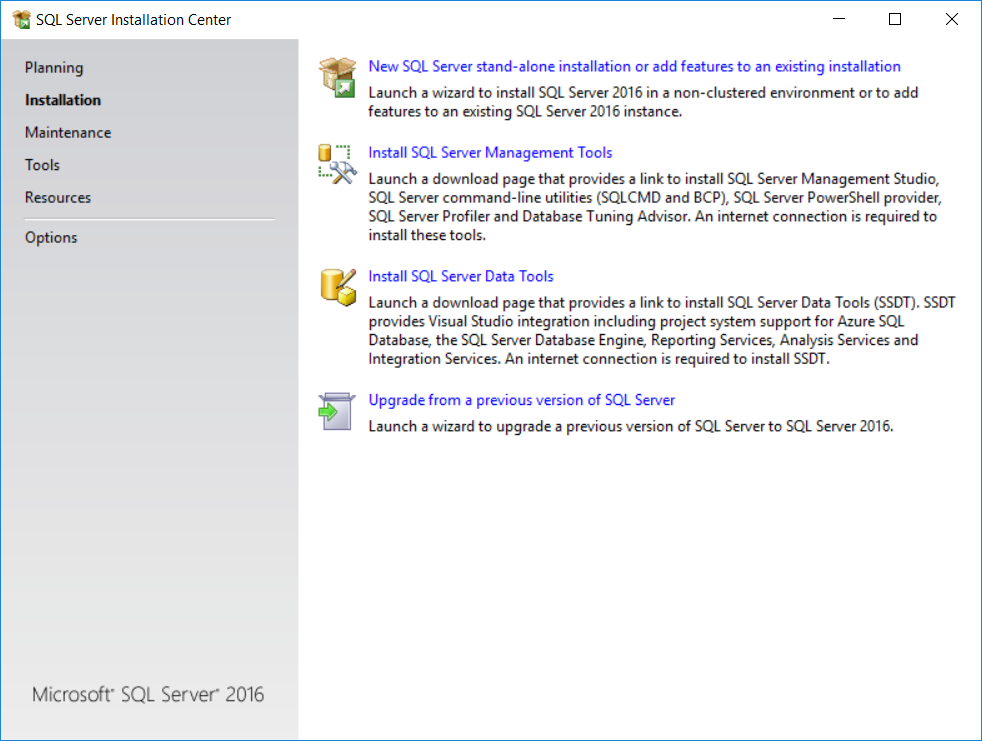
The screens below show the installation of SQL Express 2016, but it has not changed.

Select Custom:  


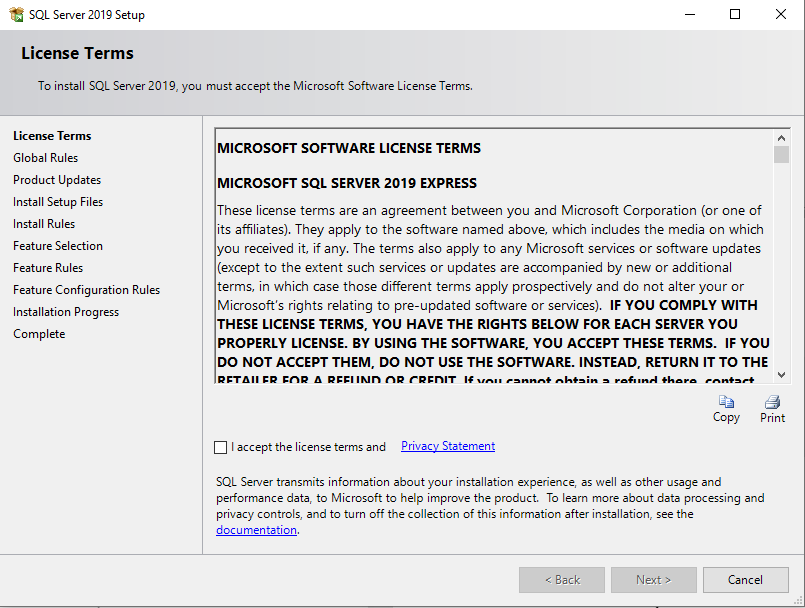
Select the destination for the installation files:  
  
  
Wait for the download to complete:  


The installation files are then extracted and the SQL Server Installation Centre is started.

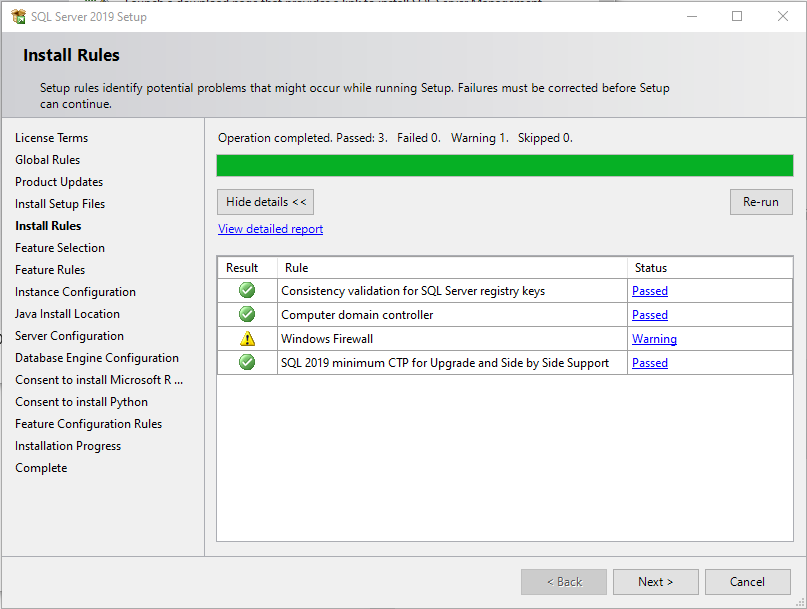
Click on SQL Server stand-alone Installation



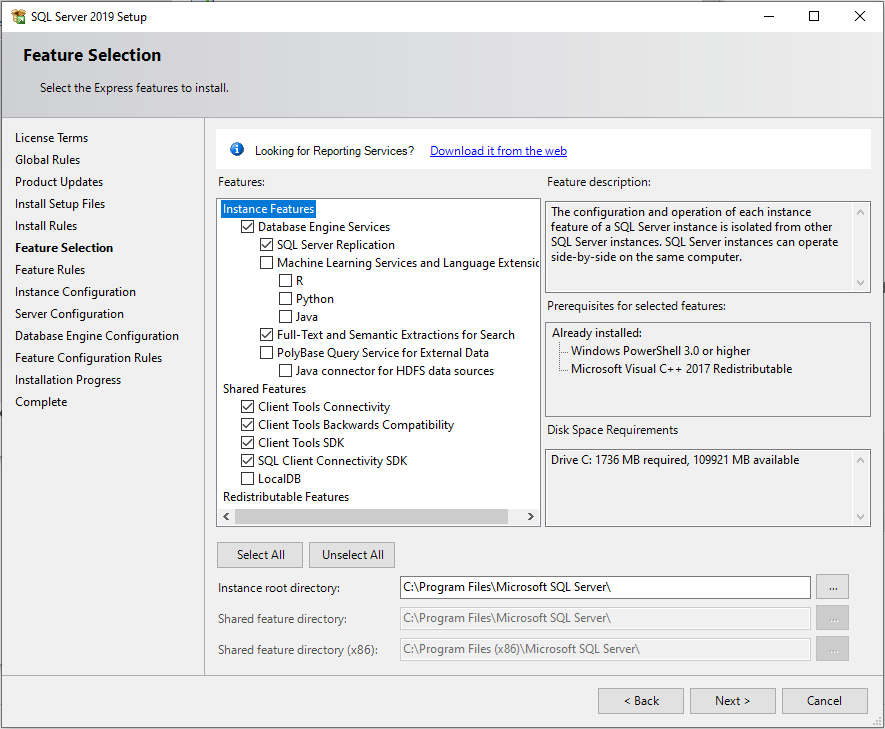
Click on ‘I Accept the license terms’



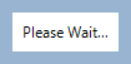
Click Next



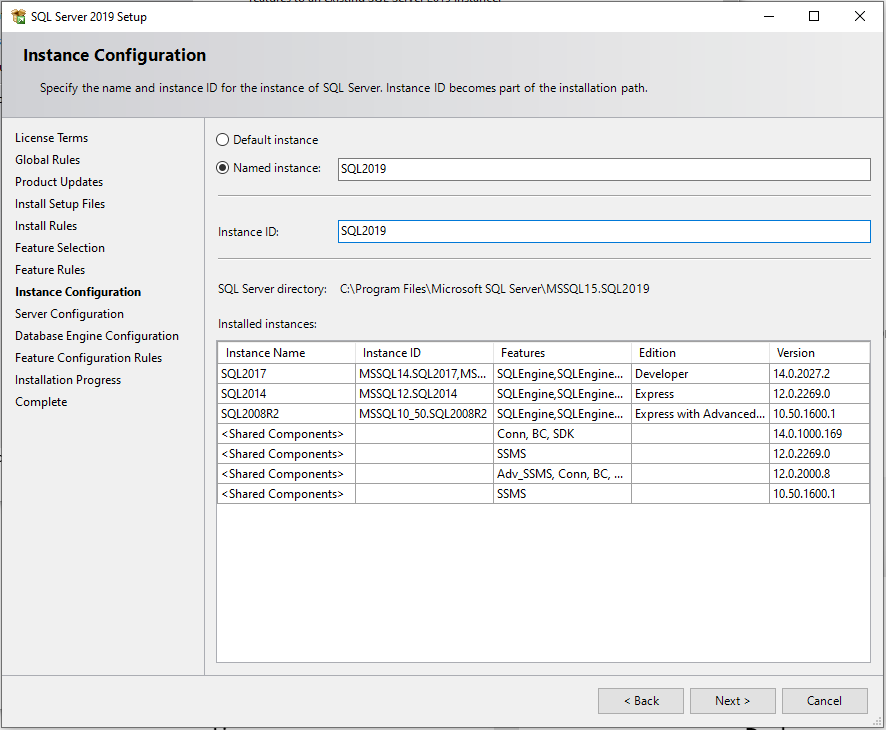
Select the components that you wish to install.  
You will probably not require the Machine Learning Services and Language Extensions, the PolyBase Query Service for External Data or the LocalDB  
Press Next



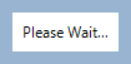
And wait

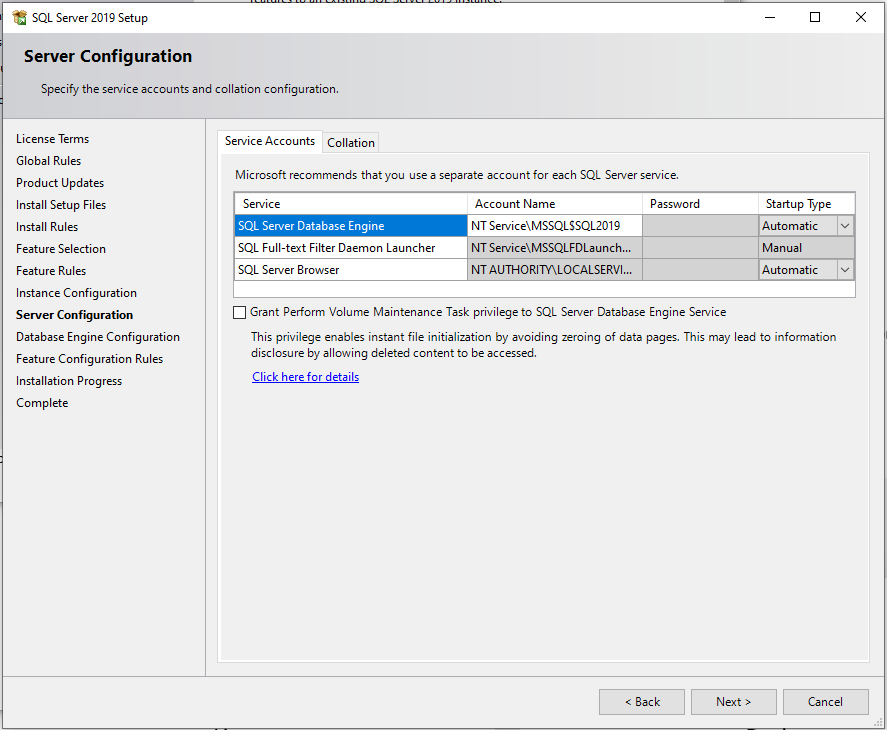


You can accept the default instance name of SQLExpress or rename it to something else, e.g. SQL2019

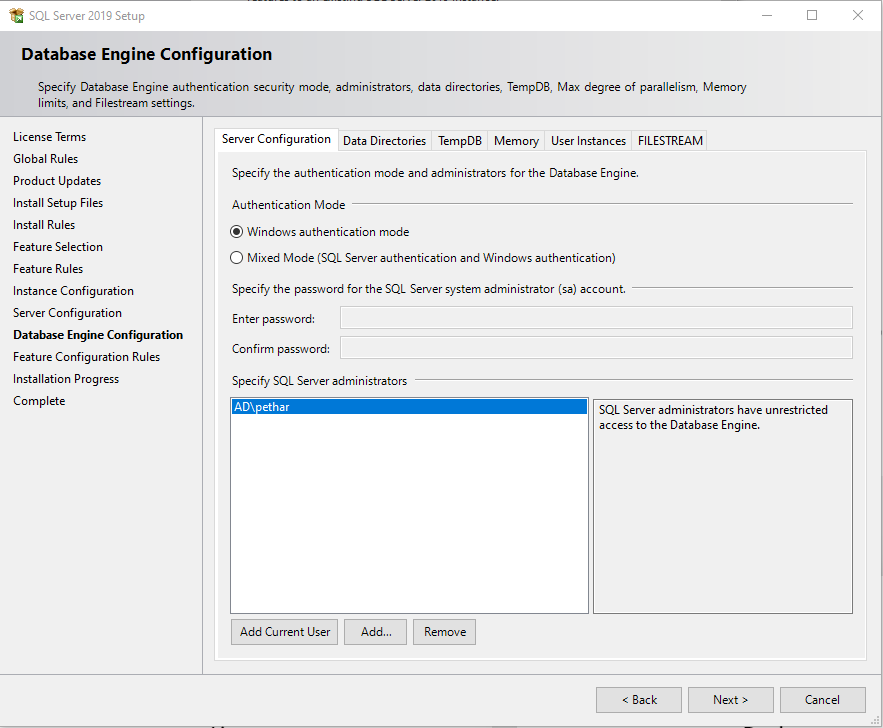


And wait

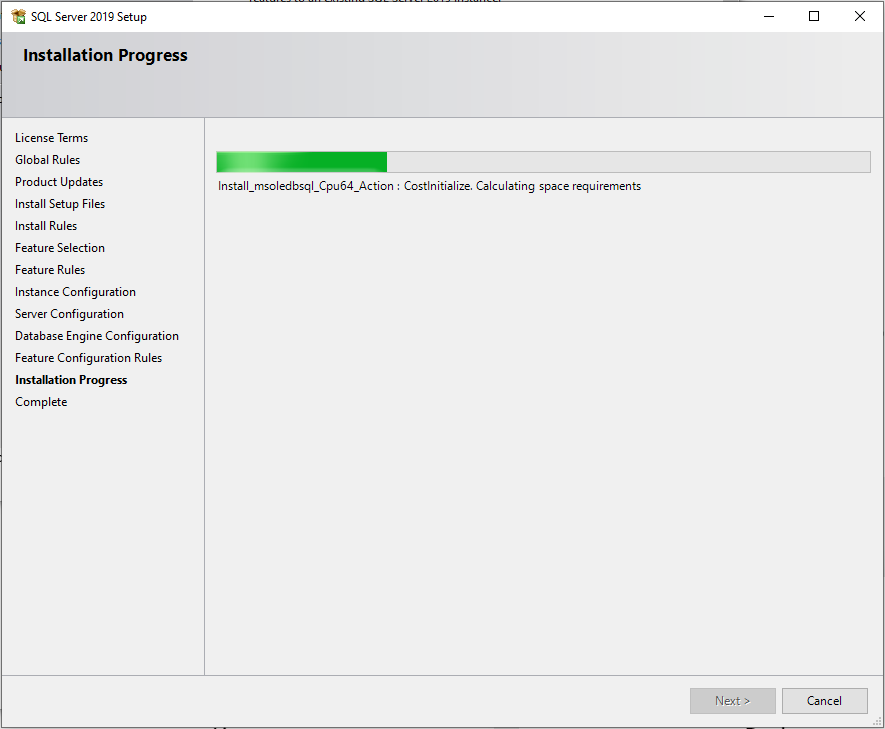


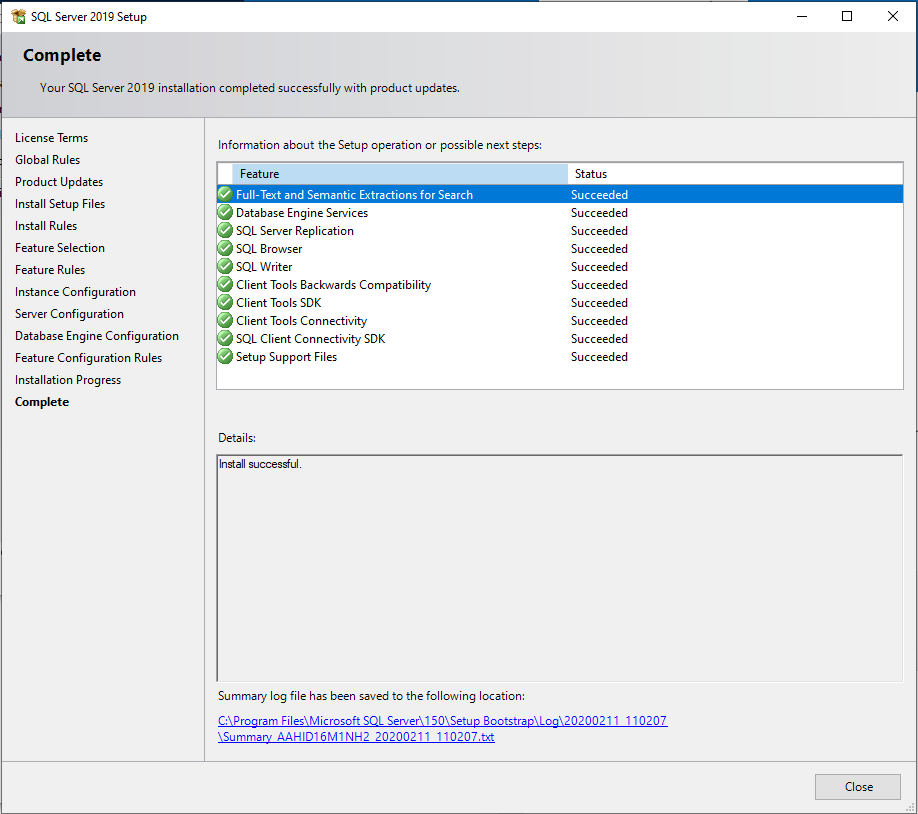
Press Next  
  


Click on Add Current User. Also add any other users that require access to the database.  
  
Then press next

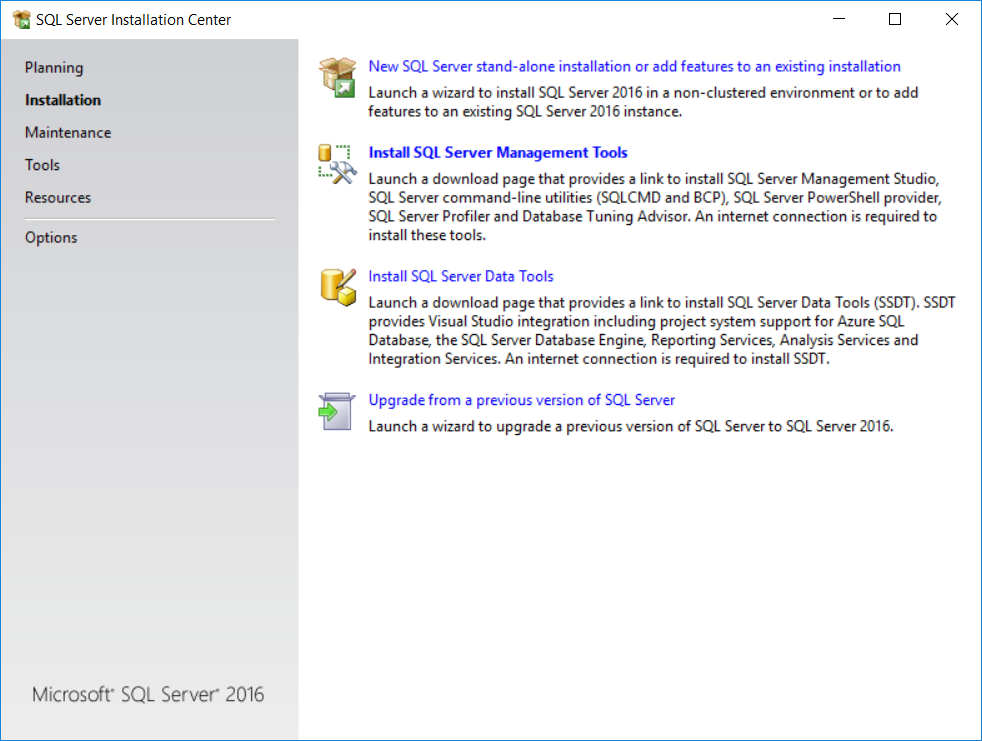


Then wait

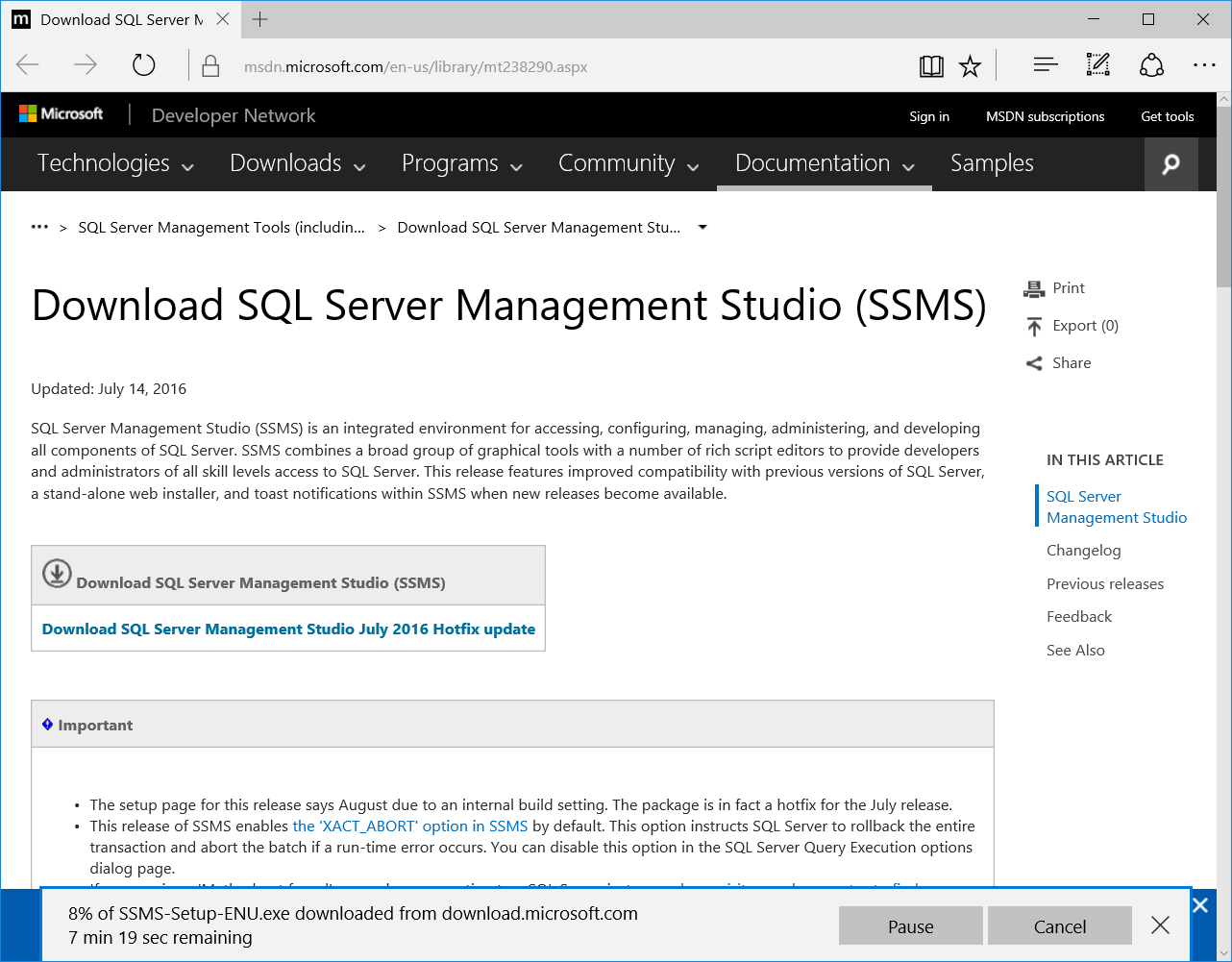


Eventually the software will have been installed  
  


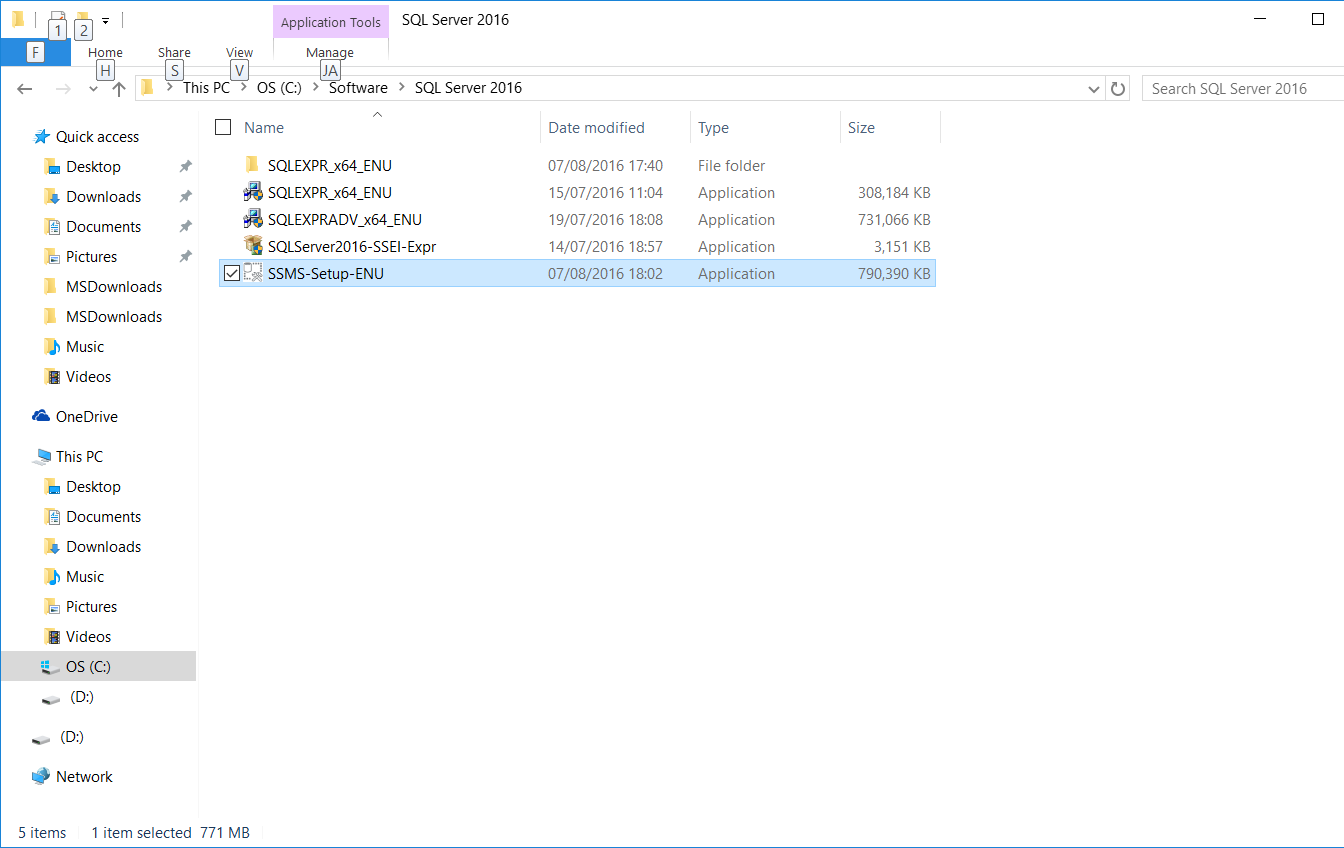
Attach the database  
Click on Install SQL Server Management Tools

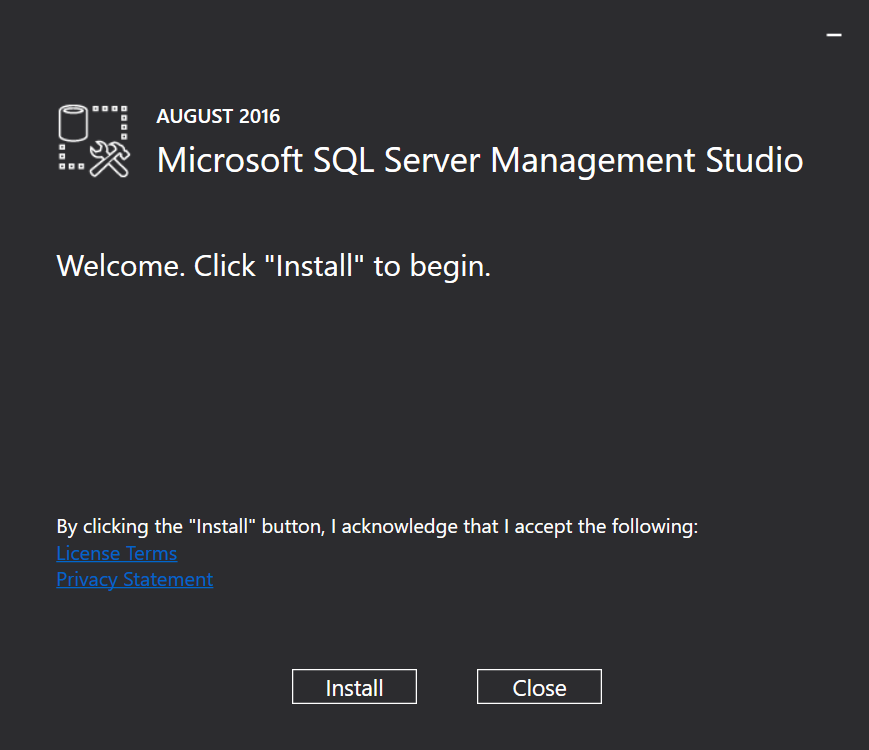
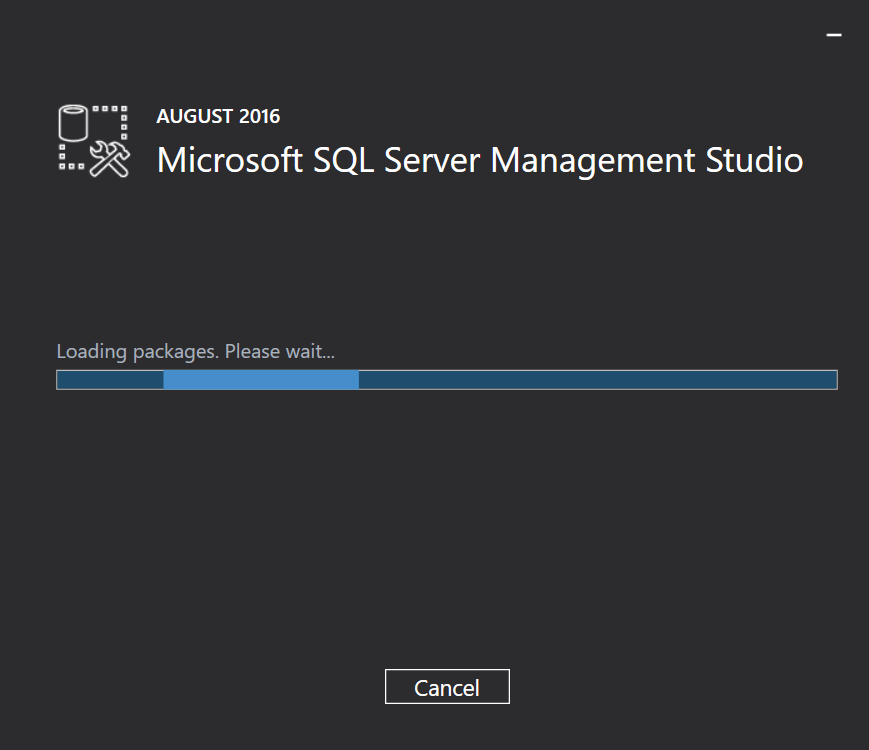


Download the most recent version of the SQL Server Management Studio

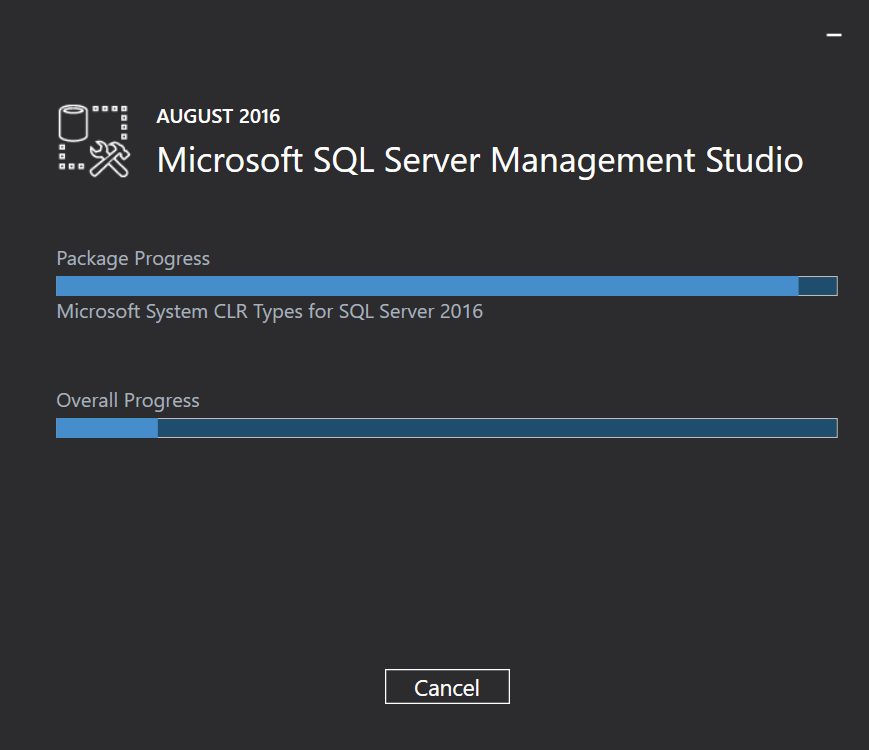
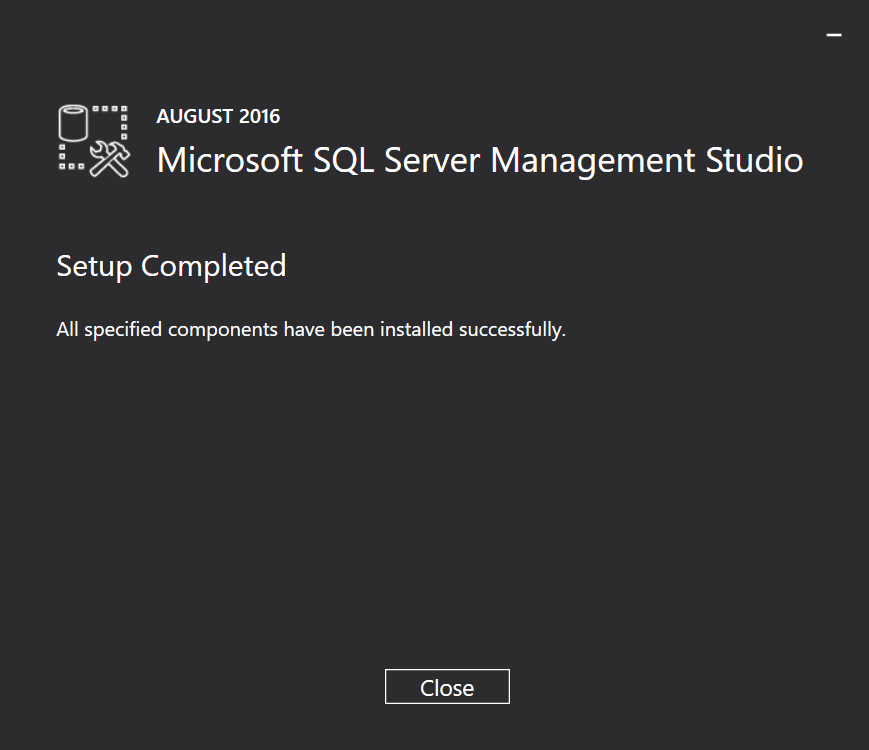


Locate and execute the program SSMS-Setup-ENU

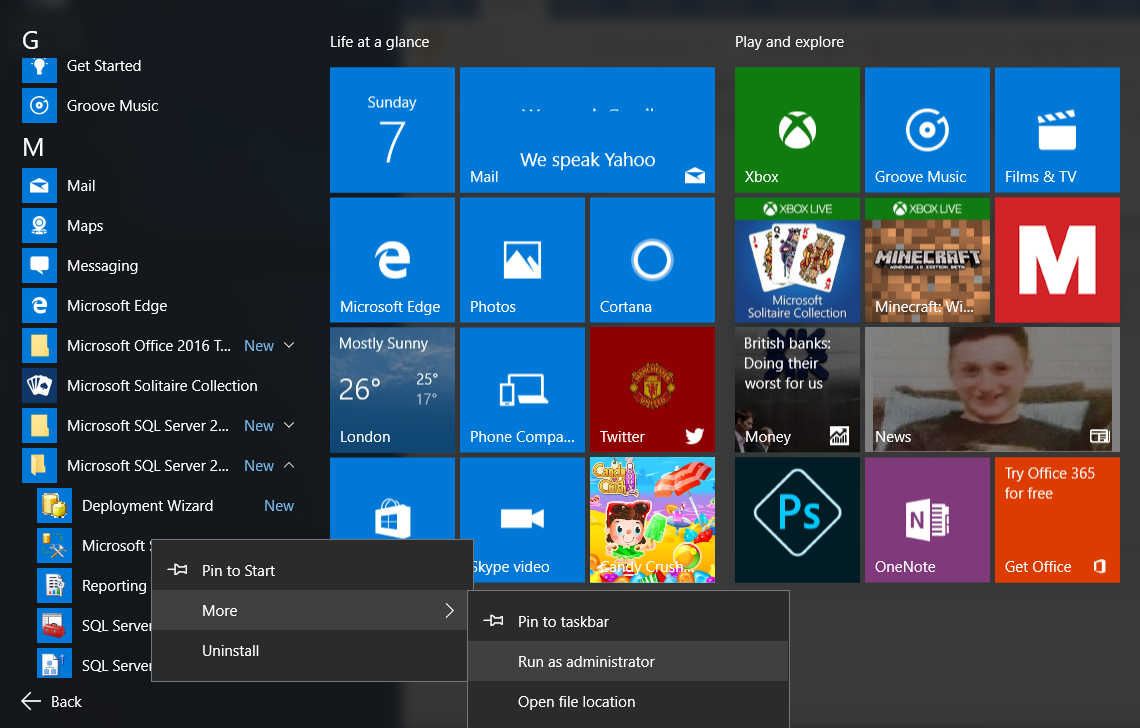


Click Install  
  
And wait  


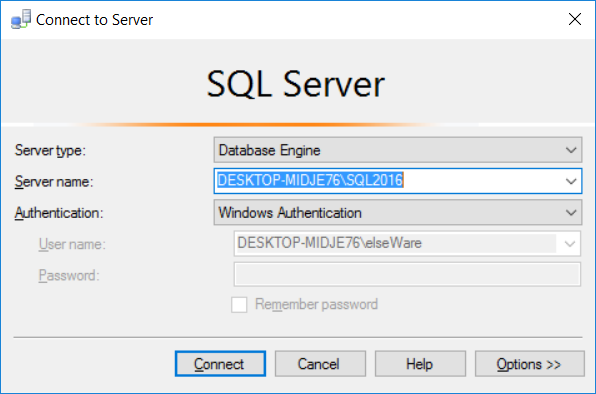
Continue to wait

  
  
Until the SQL Server Management Studio setup is complete.  


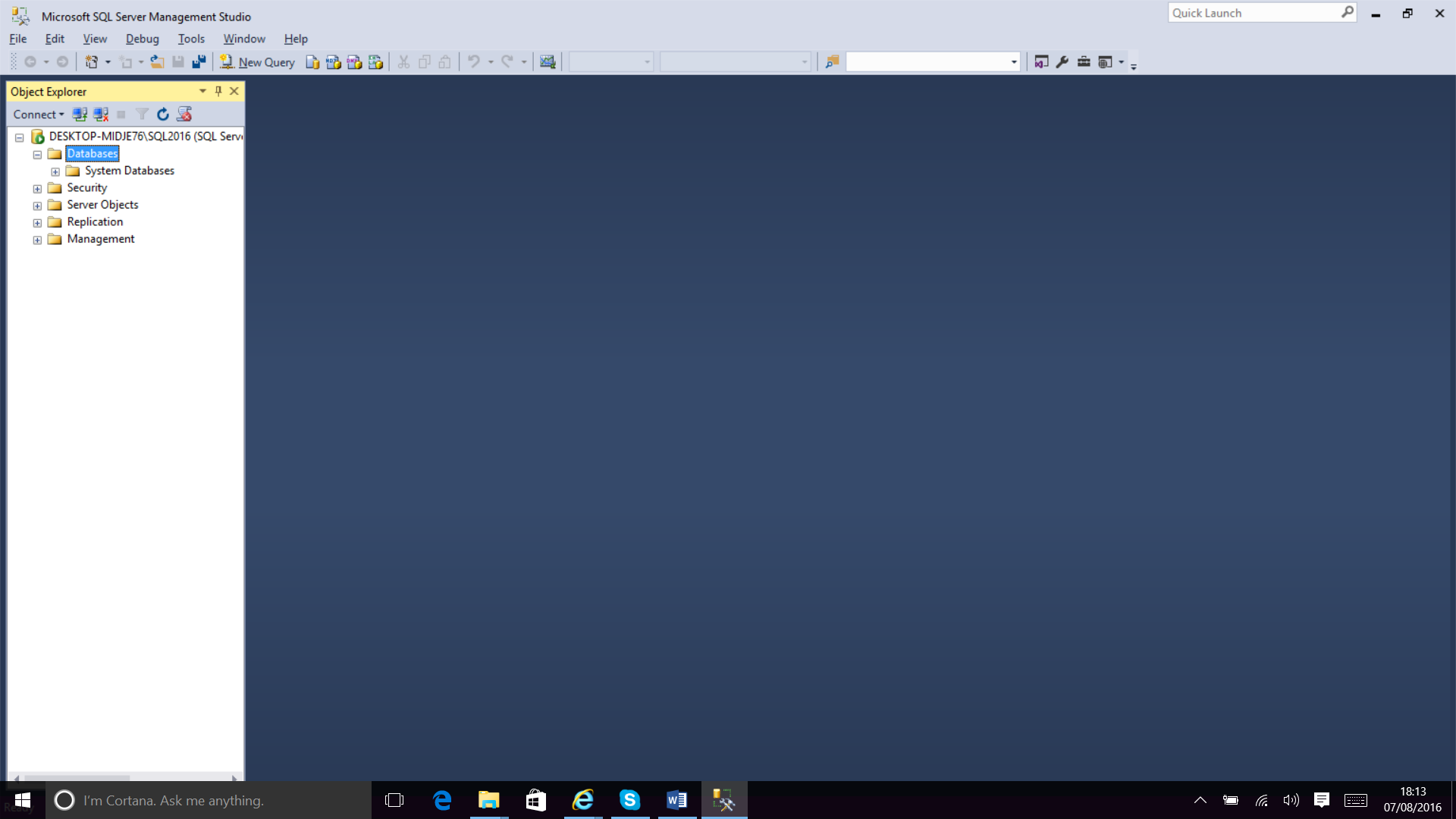
Then run the SQL Server Management Studio



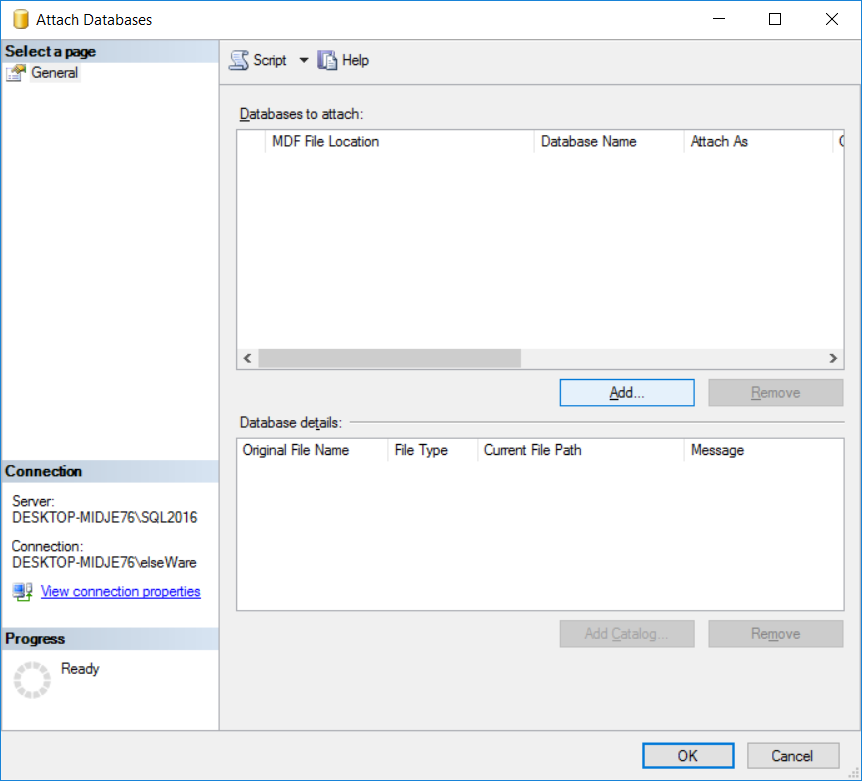
In the Server Name field enter the name of the machine and the instance name that you selected for the database instance



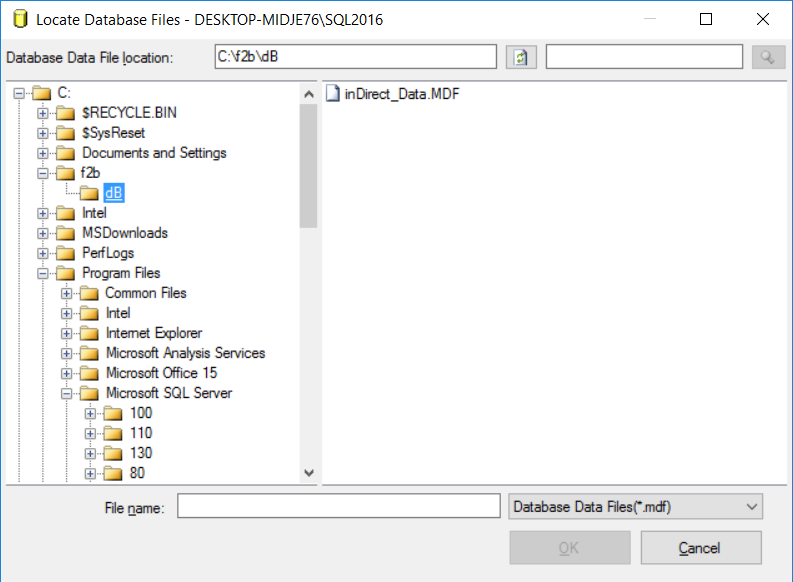
Right click on Databases in the left hand menu, from the subsequent menu select Attach



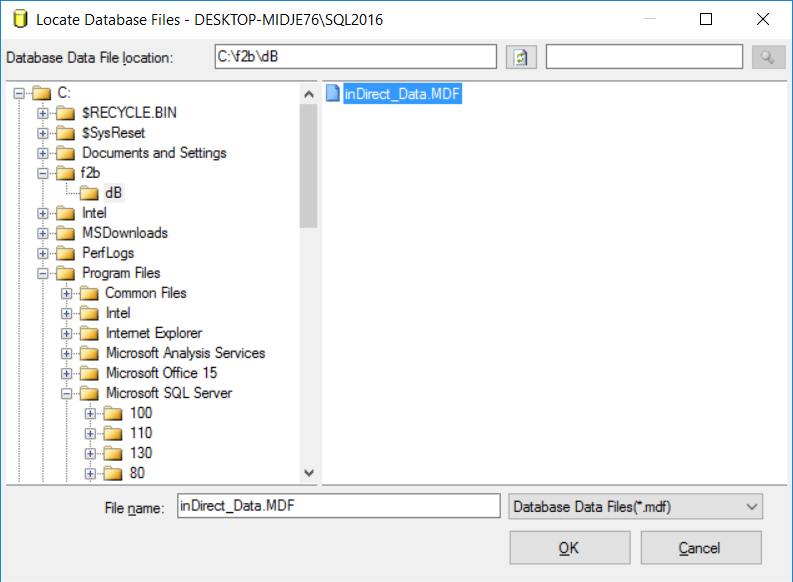
Click Add



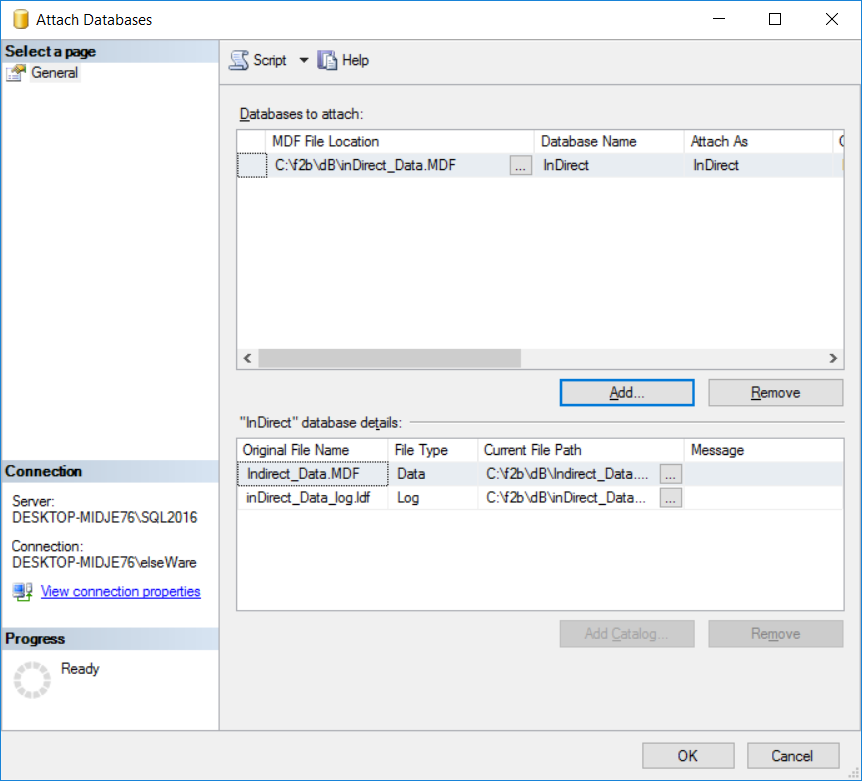
Locate the folder that contains the database ( usually C:\f2b\dB )



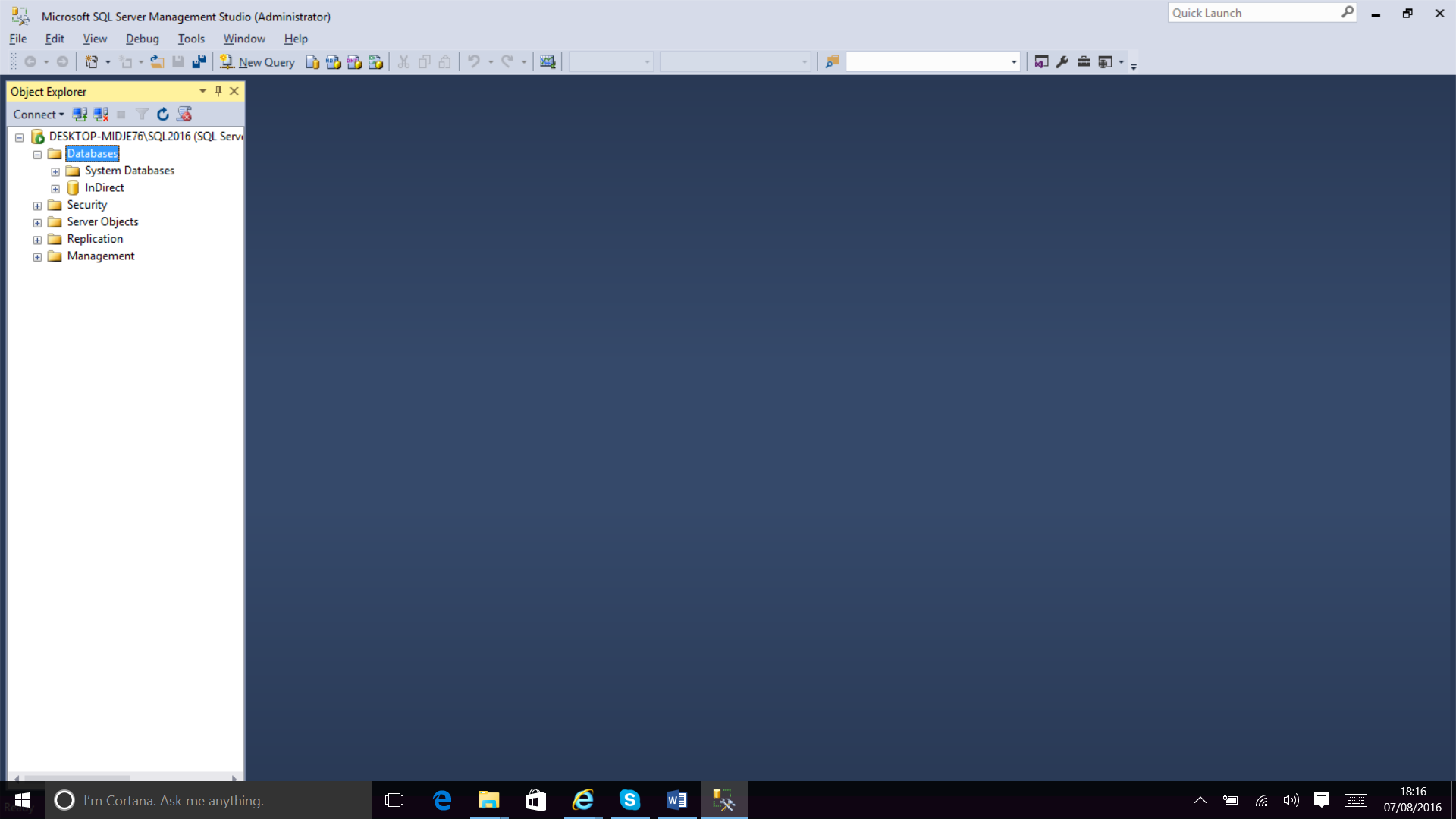
Click on indirect\_Data.MDF and then click on OK



Click on OK



The database should appear in the left hand menu.



You should edit the file C:\f2b\f2b.INI and ensure that it contains the name of the server and the instance name in the [dB] section as below.  
There may be lines that start with an apostrophe around or between the relevant lines. These can be ignored.

[dB]  
'ConnectString=Provider=SQLNCLI11; Server=HAMISH\SQL2014; Integrated Security=SSPI; DATABASE=inDirect; SPN='ConnectString=Provider=SQLNCLI11; Integrated Security=SSPI; DATABASE=inDirect; Data Source=tcp:192.168.0.5\SQL2014,1433

Server=GBLUTL-BSVZN72\SQL2016  
'Provider=SQLNCLI11  
dB=indirect  
…