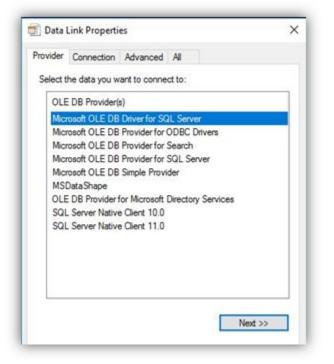
Our server manager attempted to apply the patch after upgrading the ODBC drivers, but the same result occurred. Below is the series of steps he took to test the script:

- Updated SQL ODBC drivers to latest on vAPP and vLFDS
- Removed old ODBC drivers on vAPP and vLFDS
- Broke Laserfiche immediately
- Reverted to snapshot
- installed new ODBC drivers again
- Applied script to vAPP and vLFDS
- Attempted to open Laserfiche but no bueno
- Went into registry on vAPP and vLFDS and enabled TLS1.0
- Laserfiche was able to connect
- Attempted to apply script to vDBEL
- Laserfiche was unable to open
- Enabled TLS1.0 and TLS1.1 in registry of vDBEL
- Laserfiche can now open again

We did more digging this morning and found this nifty little tool to test SQL connections. Check out <u>this</u> <u>article</u> on MS support site on how to use .udl files for testing ODBC drivers.

Here is the skinny...

Using the above tool to test our ODBC drivers, I tested the Microsoft OLE DB Driver for SQL Server first.



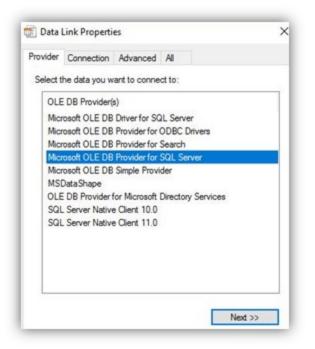
On the connection tab I type in the SQL server that has TLS 1.0, 1.1, and 1.2 enabled (vDBEL) and I receive a success message.

	Connection	Advanced	All		
1. Select	or enter a sei	rver name:			
vo	lbel	local		~	Refresh
2. Enteri	nformation to	log on to the s	erver:		
The second se	ows Authentic			~	
Server User r Passw	OLE DB D	river for SQL	Server E	)ata Lin	k X
		Test connec	tion su	cceedec	
🔄 Bla		rest connec			ificat

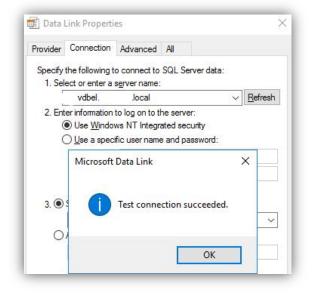
Now testing the connection to our SQL Server with only TLS 1.2 enabled (vDB), we also receive a connection success message.

rovider	Connection	Advanced	All		
. Select	or enter a ser	ver name:			
vo	blo	cal		~	Refresh
2. Enter i	nformation to	og on to the	server:		
Winde	ws Authentic	ation		~	
Server	SPN:				
User n		river for SQL	S	Data Li	. ×
	OLE DB D	iver for SQL	. server	Data Li	
Passw					- Contraction of the Contraction
Bla		Test conne	ction s	ucceede	d.
🗌 Bla	. 0	Test conne	ction s	ucceede	d. ifica
Bla	. 0	Test conne	ection s	ucceede	d.

Next test, we change the provider to Microsoft OLE DB Provider for SQL Server.



## Connection to vDBEL is good.



Connection to vDB is bad.

Provider	Connection	Advanced	All			-0
	the following t lect or enter a			rver data:		
г	vdb.	local		~	Refresh	
	Use <u>Windo</u> Use a spec	-				
soft Data Lin		d because o	of an err	or in initiali:	zina provid	ler.

If we run a test against the SQL Server Native Client providers, results are like above. Version 10.0 on vDBEL will succeed and vDB will fail. Version 11.0 will succeed on both servers.

J Data	Link Properties	
Provider	Connection Advanced All	
Select t	he data you want to connect to:	
OLE	DB Provider(s)	
Micr	osoft OLE DB Driver for SQL Server	- 1
Micr	rosoft OLE DB Provider for ODBC Drivers	
Micr	rosoft OLE DB Provider for Search	
Micr	rosoft OLE DB Provider for SQL Server	
Micr	rosoft OLE DB Simple Provider	
MSI	DataShape	
-	DB Provider for Microsoft Directory Services	
	. Server Native Client 10.0	
SQL	Server Native Client 11.0	
	Next	>>