

Laboratory Information Management System

Access-to-SQL Server Database Migration Instructions

For MSC-LIMS v4 Annual Subscription Clients



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Introduction

Many existing laboratory clients of J Street LIMS use older versions of its predecessor, MSC-LIMS. There are two versions of MSC-LIMS still in use: versions 4 and 5. MSC-LIMS version 4 was originally released in 2012 and stores all system data in a Microsoft Access **.mdb** database, compared to version 5 and J Street LIMS version 6 which use Microsoft SQL Server as the back-end database. For customers upgrading from MSC-LIMS version 4 to J Street LIMS version 6, it is necessary to undergo a database migration from Access to SQL Server to preserve laboratory data.

J Street LIMS is supported by a team of Access & SQL Server experts who can provide a white glove database migration service for a flat \$600 fee. This service includes an initial database migration for testing J Street LIMS version 6, and a second migration when you feel comfortable moving J Street LIMS version 6 into production. Some labs may prefer to handle the database migration with their own IT resources, in which case we provide these self-service migration instructions.

IMPORTANT! Please read if choosing self-service database migration:

For annual subscribers, if you choose to use these self-service instructions to migrate an MSC-LIMS version 4 database to SQL Server, *please read and follow the instructions carefully*. For clients with Full System Licenses to MSC-LIMS version 4, please contact our Support team before attempting a migration as we must individually review your database. Any customizations or alterations to the LIMS' code or database structure may impact the migration process and require individual attention.

<u>Understand that migrating an MSC-LIMS Access database to SQL Server can likely involve downtime for your</u> <u>lab.</u> This is because once the migration process begins, any data added to MSC-LIMS will not be transferred over in the migration. Typically, the migration process can be accomplished within an hour, but many factors can impact this timeframe and any issues or delays in the migration process can extend downtime. <u>In order to minimize this downtime and maximize testing capabilities for self-service clients, J</u> <u>Street requires 2 database migrations: an initial test migration and a second migration to include production</u> <u>data added to MSC-LIMS during the testing phase.</u> This ensures that you can continue to use MSC-LIMS v4 in a production setting while updating your Excel templates for v6 compatibility. It also lets you test the new software and updated Excel templates using your own data. Once you're ready to begin using J Street LIMS v6 in production, follow these instructions a second time for a final migration of all your lab's historical data and data that was added to MSC-LIMS v4 during the testing phase.</u>

Please also be aware that J Street Technology is an hourly software development firm. While we can respond to questions about the migration process over email, <u>any troubleshooting that requires</u> <u>scheduling meetings</u>, <u>calls</u>, <u>or screenshares will be considered billable at J Street's current hourly rate</u>. Please consider your technical capabilities and budget before beginning this process as it is often more cost and time effective for our team to process both migrations for our flat fee. If you have questions about the above requirement or the migration process, please contact <u>Support@JStreetLIMS.com</u>.

SQL Server Migration Instructions

What You Will Need:

- MSC-LIMS version 4.1.0. If you have MSC-LIMS version 4.0.0 please contact us. Find your version number in the top left corner of the LIMS' main menu.
- An existing MSC-LIMS version 4 LimsData4.mdb database to migrate.
- Download MSC-LIMS v4 to SQL Server migration files.zip from our Knowledge Base.
- Install <u>SQL Server Migration Assistant for Access (SSMA) 32 bit version</u> from Microsoft. The 32 bit version will have "x86" at the end of the file name.
- Install <u>SQL Server Management Studio</u> from Microsoft. Note this is automatically installed with most modern versions of SQL Server, including 2019.
- Ensure you check the box for file names to show their file extensions in File Explorer.

LIMS Data Access Upsize to SQL Server 2019

Before attempting to migrate your database, ensure that you have a running instance of SQL Server 2014 or newer, or that you've installed SQL Server Express 2019 according to our Installation Guide (available on our website's <u>Knowledge Base</u>).

- 1. Locate the original drive your MSC-LIMS v4 database file (*LimsData4.mdb*) is located in. The file pathway will be located in the lower lefthand corner on the LIMS' Main Menu. Navigate to the database file in your File Explorer.
- Create a migration folder on the computer that you have SQL Server Express installed on. You will keep all your work in this folder. Make a copy of the current Access database to migrate to SQL Server, and then place the copy in that folder. Give the database copy the same name as your existing database, but add "Upsize" to the end of the file name. For example: LimsData4.mdb → LimsData4Upsize.mdb.

IMPORTANT: Please note that any new data added to the live database after the copy has been made <u>will not</u> be migrated to SQL Server. We recommend allocating an hour or two of downtime for this process, or manually adding samples to the new LIMS database after the migration is complete.

- 3. Visit the J Street LIMS Knowledge Base and download the **MSC-LIMS v4 to SQL Server migration files.zip** and extract the contents into your Downloads folder.
- 4. If you <u>do</u> use the MSC-LIMS Messaging component, find the location of LimsMsgs4.mdb in the lower left corner of the LIMS Messaging main screen. Copy LimsMsgs4.mdb to LimsMsgs4Upsize.mdb in the same folder as LimsData4Upsize.mdb, then repeat step #6 with file LimsMsgs4Upsize.mdb to remove its user-level security.
- 5. If you <u>do not</u> use the MSC-LIMS Messaging component, copy the supplied **LimsMsgs4Upsize.mdb** extracted in step #3 to the same migration folder you're saving your work in.

Removing User Level Security

IMPORTANT! Please Read: MSC-LIMS version 4 uses Access 2010 user-level security, meaning user credentials are stored in the Access database. MSC-LIMS v5 and J Street LIMS v6 use a combination of Windows Authorization (your Windows login account) and SQL Server authentication in place of this. Therefore, we must remove user-level security from the application. The process to do this varies based on what version of Access you are using (Access 2010 or Access 365 versions). Please follow one of the two sets of instructions below based on which version of Access you're using. For Access 2010, follow Steps #6 & #7. For Access 365, follow Step #8.

Instructions for Access 2010:

6. Create a new shortcut to start a full copy of Microsoft Access with workgroup security file LimsUser4Upsize.mdw extracted in step #3. Here is an example shortcut Target property:

"C:\Program Files\Microsoft Office\Office14\MSACCESS.EXE" /wrkgrp "C:\path\to\your\migration\folder\LimsUser4upsize.mdw"

- 7. Remove LimsData4Upsize.mdb user-level security in Access 2010.
 - A. Start Access 2010 with LimsUser4Upsize.mdw using the shortcut created in step #6.
 - B. Open LimsData4Upsize.mdb.
 - C. Click File > Users and Permissions > User and Group Permissions (see below screenshot).



Select the Admin User/Group Name. In the Object Type field, select **Table.** In the Permissions area below, check each permission box to give the Admin user full permissions to all tables in the database:

User and Group Permissions	×
Permissions Change Owner	
User/Group Name:	Object Name:
Admin Guest LimsAdmin Oledb	SampleStatus SampleType Schedule SystemConfiguration Training Units Version V
List: Users Groups	Object Type: Table 🧹
Permissions	
Open/Run	🗹 Read Data
Read Design	🗹 Update Data
✓ Modif Mod	🗹 Insert Data
Administer	🗹 Delete Data
Current User: LimsAdmin	
ОК	Cancel Apply

D. Next, in the Object Type field, select **Database**. You may be prompted to change permissions now, Click Yes.

User and	I Group Permissions		×
Permiss	sions Change Owner		
User/G	roup Name:	Object Name:	
Admin Guest LinsA Oledb	dmin	SampleStatus SampleType Schedule SystemConfiguration Training Units Version	~
List: (Perm © C R	Users Groups issions pen/Run ead Design odify.Design	Object Type: Table	ta Data
Microsoft Access			×
Do you	hanged the permission u want to assign these per Yes	ns of 'Admin' for ' <new ta<br="">missions now?</new>	bles/Queries>.'

Next, give the Admin user Open/Run, Open Exclusive, and Administrative permissions, then click OK

User and Group Permissions	×
Permissions Change Owner	
User/Group Name:	Object Name:
Guest LimsAdmin	Current Usidoase >
List: Our Lisers Croups	Object Type: Database 💌
Ogen/Run	Rgad Data
Open Exclusive	Update Data
Modify Design	Insert Data
✓ Administer	Delete Data
Current User: Admin	
ОК	Cancel Apply

E. Exit Microsoft Access. In your File Explorer, double click **LimsData4Upsize.mdb (not the shortcut)** to ensure Access can open the file without LimsUser4mdw (indicating the file is no longer secured).

Instructions for Access 365:

8. If you do not have a full version of Access 2010 you can remove User Level Security with Access 365, the version installed with Office 365. While J Street LIMS will work with any version of Access from 2010 onward, this step should be identical for most modern versions. The easiest way to do this is to convert the .mdb file to .accdb. You will still need to use the shortcut that incorporates the LimsUser4Upsize.mdw file to open the .mdb file. For example, when creating a shortcut in your Upsize folder copy and paste the following with your folder structure in the 'Type the location of the item' box and click **Next**.

"C:\Program Files\Microsoft Office\root\Office16\MSACCESS.EXE" /wrkgrp "C:**path\to\upsizefolder**\LimsUser4upsize.mdw" "C:**path\to\upsizefolder**\LimsData4Upsize.mdb"

	×
← Create Shortcut	
What item would you like to create a shortcut for?	
This wizard helps you to create shortcuts to local or network programs, files, folders, computers, or Internet addresses.	
Type the location of the item:	
size\LimsUser4upsize.mdw" "C:\MSC-LIMS\Upsize\LimsData4Upsize.mdb" Browse	
Click Next to continue.	
Next Car	ncel

Then change the shortcut name to something other than the default (see below) then click Finish.

	×
← _∞ Create Shortcut	
What would you like to name the shortcut?	
Type a name for this shortcut:	
MSACCESS.EXE	
Click Finish to create the shortcut.	
	Finish Cancel

Open the LimsData4Upsize.mdb with the new shortcut. Click **File** on the Menu Bar. Then click on **Save As** on the left side of the screen. Then click on **Access Database (*.accdb)**. Then click **Save As** in the middle of the screen.

	Save As	
ime	File Types	Save Database As
		Database File Types 2
ien.	Save Database As	Access 2002-2003 Database (*.accdb) Default database format. Save a copy that will be compatible with Access 2002-2003.
0	Save Object As	Access 2000 Database (* meth) Save a copy that will be compatible with Access 2000. Advanced
er As		Package and Sign Package the decisions and apply a digital The will be compiled into an executable only file.
		Back Up Database Back up important databases regularly to prevent data loss.
se		3

Upsizing the Database

9. Open the Upsize database (you may have to click enable to edit the database). From the Database Tools menu tab, click the **Compact and Repair Database** option.



Next, press Ctrl + G to open the Code window.

10. In the Code window, open the File menu and choose "Import File...". Then navigate to the extraction folder from step #3. Right click on the **Upsizing Functions.bas** file and select **Properties**, then check the **Unblock** option (Otherwise you will not be able to import the code). Click OK to close the Properties window.

eneral Secu	nty Details Previous Versions
	Upsizing Functions bas
Type of file:	BAS File (bas)
Opens with:	Pick an app Change
Location:	
Size:	14.7 KB (15,129 bytes)
Size on disk:	16.0 KB (16,384 bytes)
Created:	Saturday, January 20, 2018, 1:57:12 PM
Modified:	Monday, May 15, 2023, 8:35:02 AM
Accessed:	Yesterday, May 17, 2023, 4:13:31 PM
Attributes:	Read-only Hidden Advanced
Security:	This file came from another computer and might be blocked to Unblock help protect this computer.

Ensure the **Upsizing Functions.bas** file is selected, then click Open. The file will open as a module in the Project Explorer window.

$\leftarrow \rightarrow \lor \uparrow \uparrow$ Documents >	> Migration > LimsData to SQL Server migratio	in files \sim	C Search LimsD	ata to SQL Ser ,0
Organize 🔻 New folder				≣ • □
× 📥	Name	Status	Date modified	Туре
> 🦰 Attachments	Upsizing Functions.bas	0	5/15/2023 8:35 AM	BAS File
> 🔚 Desktop	UpsizingFunctions600.bas	ø	5/18/2023 9:02 AM	BAS File
> 📴 Documents	1			
> 🔀 Pictures				
> 🚞 Videos				
	_			
File name: Upsizing Euroctions	bas		VB Files (*.frr	n;".bas;".cls)

You may have to expand the Modules in the Project window. Right click on **Upsizing Functions** and click **View Code** to open the code in the code window.

Project - LimsData				
🖃 💩 LimsData (LimsData)				
🖮 😁 Modules				
Upsizing Functions				
	🔲 View C <u>o</u> de			
	😑 View O <u>bj</u> ect			
	Toggle Folders			

Update the References

11. From the Menu, select **Tools > References**, and checkmark the references to match the screenshots below <u>for your version of Access</u>, then click OK:

Below is a screenshot of the References dialogue box in Access 2010.



Below is a screenshot of the References dialogue box in Access 365.

Visual Basic For Applications		Cancel
Microsoft Access 16.0 Object Library Microsoft Visual Basic for Applications Extensibility 5		
✓ Microsoft Office 16.0 Access database engine Object		Browse
OLE Automation		
AccessibilityOplAdmin 1.0 Type Library	_	
	Priority	
ACExRasterSupportsLib		Help
Active DS Type Library	+	
AddinLoaderLib		
AcaveDebug th		
Agavebebag.ab		
AgentWmil ib		
AnentWmillih		
Agent/Vmil ib OLE Automation		
AgentWmill ib AgentWmill ib OLE Automation Location: C:\Windows\\$ystem32\stdole2.tlb		

Check for Errors

12. Next click **Debug > Compile limsdata** to see if there are any errors in the code. **IMPORTANT:** You will not receive a confirmation message from Access if there are no compile errors—please proceed to Step #14 if this is the case. If you receive any error messages, proceed to Step # 13.

<u>I</u> nsert	<u>D</u> eb	ug <u>R</u> un	<u>T</u> ools	MZ-Tools	<u>A</u> dd-Ins	l
: 🖉 🗄		Compi <u>l</u> e lin	nsdata			þ.
Pa 😤	SI	Step Into			F8	
	(j⊒	Step Over		Sł	nift+F8	1
	2	Step O <u>u</u> t		Ctrl+Sł	nift+F8	⊢
	÷Ξ	<u>R</u> un To Cur	sor	C	Ctrl+F8	┝
- 4 - 11		Add Watch				Ľ
ataupsiz	1	<u>E</u> dit Watch.		(Ctrl+W	
	63	Quick Wate	:h	Sł	hift+F9	
nctions		Toggle Brea	akpoint		F9	
		Clear All Bro	eakpoint	s Ctrl+Sł	nift+F9	ŀ
	⇒	Set <u>N</u> ext Sta	atement	(Ctrl+F9	Ľ
	\$	Show Ne <u>x</u> t	Stateme	nt		

13. If you receive any error messages (like the one below), double check that you've selected the correct checkboxes in the Tools \rightarrow References dialogue box in Step #11. If you made changes to the checkboxes in the References dialogue box, then click **Debug > Compile** to see if the errors have been resolved. If you continue to get errors, please contact J Street LIMS Support Team at <u>Support@JStreetLIMS.com</u>.

	Di Di Microsoft Visual Basic for Applications X
	S Se Compile error: User-defined type not defined "MessageStyleProjectl", "MessageStyle", "Project") sageStyleID") geStyleID"
End	CU OK Help
Sub	CrastaDelation MagescaStulaDroiget2 (currDB le Database
5005	Createneration nessagestyreriojecta (currs) As bacabase)
	Dim rel As Relation
	Dim fld As Field
	<pre>Set rel = currDB.CreateRelation("MessageStyleProject2", "MessageStyle", "Project")</pre>
	Set fld = rel.CreateField("MessageStyleID")
	IIG.FOREJANAME = "CompletionMessagestyleib"
	CurrDe Delations Amend rel
End	Sub

14. Once there are no errors, type or copy/paste **PrepareDatabaseForUpsizing** into the Immediate window (View→Immediate Window) and press "Enter" on your keyboard to update the Access database to prepare for the migration to SQL Server.

	MsgBox "File '" & sMessageDB & "' not found. Th
	"folder of the LimsData database to be mi
	Exit Sub
	End If
	DoCmd.TransferDatabase acImport, "Microsoft Access",
	· · · · · · · · · · · · · · · · · · ·
Loss and a self-set	
immediate	:
Prena	raDatahagaForUngizing
riepa.	rebacabaseroropsizing

After the process completes, you will see **[ok]** appear in the Immediate Window, per below.

If Len(Dir(sMessageDB)) = 0 Then MsgBox "File '" & sMessageDB & "' not fo "folder of the LimsData database
Immediate
PrepareDatabaseForUpsizing [ok]

At this point, close Microsoft Access and save your changes.

Open SSMA (SQL Server Migration Assistant for Access)

15. Open SQL Server Migration Assistant for Access. Click Next.



16. Enter a name for the migration project and save it to the migration folder you created in Step #2. Select the SQL Server version you have installed and want to migrate your data to. Click **Next.**

🔒 Migration Wizard		×
Create New Project		
Enter the na	ame, location and type of the new migration project.	
Name:*	20230518LIMSMigration02	
Location:*	C:\User\Documents\SSMAProjects	Browse
Migrate To:	SQL Server 2019 V	
-		
	< Back Next	> Close

17. Click the **Add Databases** button then browse to the folder where you saved LimsData4Upsize.mdb in Step #2 (see below).

😚 Migration Wizard	×
Add Access Databases	
	Add Databases
	Find Databases
	Remove Databases
	Close

Migration Wizard			×		
🔐 Open					×
$\leftarrow \rightarrow \land \blacksquare$	> Desktop		~	C Search Desktop	Q
Organize 🔻 New folder	r			≣ ▪	
> 🔷 OneDrive	Name	Date modified	Туре	Size	
	LimsData.accdb	5/12/2023 11:18 AM	Access.Applicatio	67,640 KB	
🔚 Desktop 🖈	LimsDataUpsize.accdb	5/18/2023 9:35 AM	Access.Applicatio	68,100 KB	
🗕 🛓 Downloads 🖈					
Documents 🖈					
Pictures 🖈					
🕖 Music 🖈					
🛂 Videos 🖈					
💼 VirtualFilesHold					
File nar	me: LimsDataUpsize.accdb			 All supported database 	s (*.mdt $ imes $
				Open	Cancel

18. If you removed User-Level Security by saving the Upsize file to .accdb (as described in Step 8), then select *LimsData4Upsize.accdb*, otherwise select *LimsData4Upsize.mdb*, then click **Open.**

19. All table objects must be migrated to SQL Server. Check the tables folder to automatically select all table objects beneath, then click **Next.**

🚯 Migration Wizard					
Select Objects to Migrate					
Access-metadata Databases ImsDataUpsize Gueries Tables Analysis Analysis Container1 Container1 Container1 Customer Customer Customer Customer Customer Customer Customer Frequency Frequency Frequency Customent Customer Customer Frequency Customer Customer	Image:				
	< Back Next > Close	•			

20. In the *Server name* field, select the SQL Server to migrate to using your server name. In the *Database* field, enter a name for your database. The database name should include the word *LIMS* along with your company abbreviation. If this is a test migration, append the word *Sandbox* at the end of the database name. For example: the fictitious company Wind River Labs would use *LimsWRL* or *LimsWRLSandbox*.

in Migration Wizard	Ctrl) 🗸	×
Connect to SQL Server		
	Microsoft	
SC	QL Server	
Basic	Advanced	
Se	rver name: YOURSERVERNAME\SQLEXPRESS2019 ~	
s	Server port: [default]	
	Database: JStreetLims ~	
Auth	entication: Windows Authentication	
L	Jser name: 🗸	
	Password:	
	Encrypt Connection	
	< Back Next > Close	

21. Click Next. Then click Yes to create the database when prompted.



22. We <u>are not</u> linking back to the Access database from LIMS. Make sure the "Link Tables" checkbox <u>is not</u> selected, then click **Next**.



23. SQL Server Migration Assistant will process all the selected objects. Depending on the size of the Access database, it may take 10-20 minutes to migrate the objects and data to SQL Server.



Once complete SSMA will show all the objects that were migrated. Click OK.

🚯 Synchronize with the Datab	ase							×
🖃 🛨 😑 Hide Equal Objects	-							
Database	A	ction	Local M	etadata	a			
💻 📁 Tables		-	= 1	📕 Tal	bles			
🕀 🛑 [Not Found]		4m	± (-	Analysis			
(Not Found)			•	- 🗉	AnalysisQCDataType			
🕀 🛑 [Not Found]		dan (± (- 🗉	AnalyticalBatch			
🕀 🛑 [Not Found]		фш	± (- 💷	ContainerType			IE.
🗉 🛑 [Not Found]		4m	±	• 🗉	Customer			IEI.
(Not Found)			•	• 💷	CustomerContactHistory			
(Not Found)			•	•	CustomerCostAnalysis			
(Not Found)			•	⊨ 💷	CustomerProjectMessaging			
🕀 🛑 [Not Found]		433	± (⊨ 💷	CustomerSampleLogin			
🕀 🛑 [Not Found]		433	+	• •	Employee			
(Not Found)			•	• •	ErrorLog			
🕀 🛑 [Not Found]		400	÷ (• •	Frequency			
🕀 🛑 [Not Found]		्रीया	+ (• •	Instrument			0
🕀 🛑 [Not Found]		4m	± (•	Laboratory			
🕀 🛑 [Not Found]		4m	±	• •	Location			F
🕀 🛑 [Not Found]		dan.	+ (LoginBatch			
						ок	Cance	;
124 Object(s) Changed Locally	0 Object(s) Changed in Database 0 Object(s)	Not C	hanged	0 0	bject(s) Changed in Database and Loc	ally		.:

Check for any Errors in the Migration Status window. In the unlikely event errors appear, take screenshots, download the reports, and email J Street LIMS Support <u>Support@JStreetLIMS.com</u>. Make sure to include the screenshots and reports in your email. Click **Close**.

Migration Wizard		×
Migration Status		
	Convert, Load, and Migrate	
	Convert selected objects Report 0 errors, 13 warnings, and 513 informational messages. Report	
	Load converted objects into the target database <u>0 errors, 0 warnings, and 0 informational messages.</u>	
	Migrate data for selected objects Report 0 errors, 0 warnings, and 0 informational messages. Report	
	Description	
	SQL Server Migration Assistant will convert selected objects, load converted objects into the target database, and migrate data for selected objects.	
	< Back Stop Close	

				_
Di		- 6	9	×
79			_	
 SOL Server 2019 (SOL Server 2014) * - SOL Server Migration-Assistant for Access 		- 1	,	φu
File Edit View Tools Hulp				
🔄 😥 🔛 🖄 🐿 Add Debiterer 🕀 Find Catabases 🤰 Raconnect to SQL Server 🔟 Divisio Report 👘 Convert Schema 🎧 Con	nort, Lost, en/Mgrate (#)_Mgrate Data ()			_
Access Metadata Ciplionar				
1. Solip () Soflek + () Soflerved + ()				
ii: 📲 🕹 Access extadata				
				-
SQL Server Metadola Explorer				
Contraction Contained 1				
III III LAG TEST GOLEAPRESSEN				
				_
Овря				X
1.4.12				
Data migration operation has finished.				
48 table(s) successfully migrated.				
0 table(s) fulled to migrate.				1.1
				11
(
🔔 Daput 🔔 Error List				
Dane.				

24. You may now **Exit** SQL Server Migration Assistant.

Open SQL Server Management Studio (SSMS)

25. Open SQL Server Management Studio (SSMS). Select the server name you will be hosting the LIMS database on. Click **Connect.**

🖵 Connect to Server		×					
SQL Server							
Server type:	Database Engine	~					
Server name:	YOURSERVERNAME\SQLEXPRESS2019	~					
Authentication:	Windows Authentication	~					
User name:	LIMS-TEST\User	~					
Password:							
	Remember password						
Connect Cancel Help Options >>							

Verify the database name you set in Step #20 (in this example, JStreetLims) appears under the Databases folder and look at the larger tables like Samples, Analysis, and Sample Analysis for data issues.

File Machine View Input Devices Help	
Microsoft SQL Server Management Studio	
File Edit View Tools Window Help	
	ភភ] ម
© ♥ ♥ ► Execute ■ ✓ 80 @ 🖶 80 8	
Object Explorer	Ψ×
Connect - ¥ ¥ = ⊤ C →	
🖃 🐻 YOURSERVERNAME\SQLEXPRESS2019	
🖃 💼 Databases	
🗉 💼 System Databases	
🕀 📄 JStreetLims	
JStreetLims20230517 (Recovery Pending)	
🕀 📄 JStreetLimsEmpty	
🗄 💼 Security	
🕀 💼 Server Objects	
🕀 💼 Replication	
🗄 📕 Management	

26. Next run **JStreet-LIMS 500 Setup.sql** SQL script. This script file will update the SQL Server indexes, objects, and stored procedures. From the SQL Server menu Click **Open > File**.



The Open File dialogue box will open. Browse to the folder with the .sql script. The file is in the extracted zip folder under Downloads as created in Step #3.

🐼 Open File					-		×
← → ~ ↑ 🗅 D	Oocuments > JStreet Lims to) SQL Server		~ C			م
Organize 🔻 New folder						= • 🗖	1
	Name		Date modified	Туре	Size		
	🗎 JStreet-LIMS 500 Setu 🙀		6/26/2023 9:11 AM	Microsof	t SQL Ser	32 KB	
 Desktop Downloads Documents Pictures Music Videos Videos 		Type: Microsoft Size: 31.0 KB Date modified:	: SQL Server Query File 6/26/2023 9:11 AM				
File name:				~	SQL Server files	(*.sql)	~
					Open	Cancel	

Select the SQL script and click **Open**. The script will open in a query tab.

27. Change the **Use Clause** to the name of the database as set in Step #20. Click the **Execute button** that is just above the query tab. Again, check for errors in the Messages tab at the bottom of SSMS. If

there are any errors, copy all of the text from the messages window and email it to <u>Support@JStreetLIMS.com</u>. If you see no errors, close SSMS by clicking **File** \rightarrow **Exit**. Click "Yes" to save changes to the file.



Install the J Street LIMS Application

28. You have now successfully migrated data from your MSC-LIMS version 4 Access database to a new SQL Server database. You may now proceed with installing the next version of LIMS according to your upgrade pathway and connect it with the new SQL Server database you just created.

Contact Us

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