## **Restoring Your SQL Database**

Occasionally you may need to restore a database. Below are the steps to restore a database.

**Step 1**: Open Microsoft SQL Server Management Studio. Start\All Programs\Microsoft SQL Server 20xx\SQL Server Management Studio



Server type:	Database Engine		
Server name:	local/SQL2005		
Authentication:	Windows Authentication		
User name:	AMERICAS JLG1230		
Password	(michiona acareau		

**Step 2**: Log into SQL Server. Login with the SA account or windows account with sufficient privileges.

**Step 3**: Expand Databases by clicking on the + sign next to it. Your database should be listed below.





**Step 4**: Right click on your database. A fly out menu should appear. Click on the listed item "Tasks" and select "Restore" from the options. Select "Database" from the fly out menu.

Step 5: The Restore Database – Windows will open. On the General Page, click on the Device radio button and the box with the ellipsis to expand the "Select backup devices" dialog box.

	Contraction in the local data			
No backupset selected to be resto	red.			
Select a page	🖾 Script 👻 🚺 Help			
聲 General ☞ Files ☞ Options Radio Button	Source Database: Device: Database:		2. Click box to e display Select ba devices dialog b	kpand to reackup ox.
	Destination Database: Restore to: Restore plan Backup sets to restore: Restore Name Component	Type Server Database f	Position First LSN Last LSN C	Timeline heckpoint LSN Full L
Connection				
IND-JLGI230-01 [AMERICAS\JLGI230] View connection properties				
nen connection properties				
Ready	•			► Verify Backup Media
O Ready			OK Cance	Verify Backup Medi

Select backup devices Specify the backup media are	d its location for your restore operation		Step 6: Click the Add button on the Select backup
Backup media type:	File -		devices dialog box.
Backup media:			
		Add	
		Remove	
		Contents	
	OK Cancel	Help	

Step 7: The "Locate Backup File" dialog box will appear. Locate your backup file and click the "OK" button.



Select backup devices Specify the backup media an	d its location for your restore operation.		Step 8: The backup file will be listed in the "Select backup
Backup media type: Backup media:	File	•	devices" dialog box. Click the "OK" button.
C:\Program Files\Microsoft S	QL Server\MSSQL11.MSSQLSERVER\N	Add Remove Contents	
< <u> </u>	OK Ca	ancel Help	

**Step 9**: The backup file will appear listed in the "Backup Sets to restore:" window. Click the Options page.

🕕 Ready						
Select a page	Script 👻 🚺 Help					
🚰 General						
🚰 Files	Source					
Poptions	O Database:	ACCESSCONTROL				
	Oevice:	Device: C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQL				SERVER\MSSC
	Database:	ACCESSCONTROL				
	Destination					
	Database:	ACCESSCONTROL				
	Restore to:	The last backup taken (Friday, July 28, 2017 12:24:16 PM)				
	Restore plan Backup sets to restore:					
	Restore Name		Component	Type	Server	Database
	ACCESSCONTR	OL-Full Database Backup	Database	Full	IND-JLG1230-01	ACCESSCONTROL
Connection						
IND-JLG1230-01 [AMERICAS\JLG1230]						
View connection properties						
Progress						
Oone Done	<					Verify Backup Media

Restore Database - ACCESSCON	TROL						
🕕 Ready							
Select a page General Files	Script - Restore options						
Options	Overwrite the existing database (WITH REPLACE)      Overwrite the existing database (MITH REPLACE)						
	Preserve the replication settings (WITH KEEP_REPLICATION) Restrict access to the restored database (WITH RESTRICTED_USER)						
	Recovery state:	RESTORE WITH RECOVERY					
	Standby file:	c:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERV					
	Leave the database ready to use by rolling back uncommitted transactions. Additional transaction logs cannot be restored.						
	Tail-Log backup	e					
	□ Leave source database in th (WITH NORECOVERY)	ie restoring state					
	Backup file:	c:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERV					
	Server connections	ination database					
Connection							
IND-JLG1230-01 [AMERICAS\JLG1230]	Prompt Prompt before restoring each bac	kup					
View connection properties	The Full-Text Upgrade server p the restored database.	property controls whether full-text indexes are imported, rebuilt, or reset for					
Progress							
Done Done							
		OK Cancel Help					

**Step 10**: Click on the "Overwrite the existing database (WITH REPLACE)" checkbox.

**Step 11**: Click the "OK" Button to restore your database.

**Step 12**: If the restore is successful, the following prompt will appear. Click the OK button.



## Troubleshooting

## Restore of Database 'ACCESSCONTROL' failed.

Database restore fails if the database is in use. To overcome this, stop all the services associated with the program that is connecting to the database, or restart the SQL server and restore the database before anything else can connect to it.

Proceed with steps 1-10 above preparing the restore process right up until the point you click the "OK" button to execute the command.

Right click on the database server. I to IND-JLG1230-01 (SQL Server 11.0.2100 - AMERICAS\JLG1230)

Select the "restart" option.

The following prompt will appear. "Are you sure you want to restart the MSSQLSERVER service on (your computer name)?"

Microsoft SQL Server Management Studio							
Are you sure you want to restart the MSSQLSERVER service on IND-JLG1230-01?							
E)	Yes No						

Click the "OK" Button.

You will receive a progress bar indicating the progress of the restart.

1		
ŋ	Service Control	
o	Attempting to stop the following service on IND-JLG1230-01	
9	MSSQLSERVER	
l		
	Close	
1		

Once the restart has completed successfully, you will see the green arrow button next to the database server. Now, click the "OK" button to complete the restore. You must be quick to complete this after the restart or the database will be reconnected and communicating with the program that is holding on it and the restore will fail again.