## **SQL Schema Compare Comparing Filegroups**

Beginning with version 4, IDERA SQL Schema Compare allows you to compare and synchronize database filegroups including the filegroup data files. Database log files are not supported.

Comparing filegroups is similar to other database objects. You start by selecting the **Database Filegroups** option in the Comparison Options window (by default filegroups are not selected):

View or change schema comparison options         Database Objects       Comparison Options       Scripting Options       Execution Options         Image: Description options       Scripting Options       Execution Options       Image: Description options         Image: Description options       Image: Description option options       Image: Description option options       Image: Description option option option options         Image: Description option option options       Image: Description option
Image: Second regions       Coupling options       Coupling options       Coupling options         Image: Second regions       Tables       Image: Second regions       Description:         Image: Second regions       Image: Second regions       Description:       Indicates whether the database filegroups should be compared and synchronized.         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions         Image: Second regions       Image: Second regions       Image: Second regions       Image: Second regions       Image: Second region<
Vuser-Defined Data Type         Vuser-Defined (CLR) Types         Vuser-Defined Table Types         Xml Schema Collections         Database Roles         Application Roles         Database Schemas         Asymmetric Keys

When the filegroup option is selected, a filegroup category appears in the comparison grid. The plus sign adjacent to the filegroup allows you to view the data files associated with the filegroup. Depending on the type of the filegroup, the data file is mapped to one of the following:

- A file, usually with the .mdf or .ndf extension, for a data filegroup.
- A path for a filestream or a filegroup that contains memory-optimized tables.

When you choose to synchronize the database filegroups, it is important to remember that the path of the physical file mapped to the data files must exist on the target system. If this is not the case, you can change the path and filename of the data file in the comparison grid as follows:

• Expand the filegroup that you wish to change

• In the data file section of the comparison grid, enter the new filename in the Filename column

			DB_MULT		QL2008 B_MULTI_FG_200	Name S	ession
npar	ison Result						
			Schema Name		Status	A	Generate the script for:
- E F	Filegroup object		0, Source Only (left): 6, Target Only (rig	ht): 0			[(local)\SQL2008R2].[DB_MULTI_FG_
		Filegroup	PRIMARY		=		
		Filegroup	FG_1		=		Generate the script for:
	$\checkmark$	Filegroup	FG_10		<b>→</b>		[(local)\SQL2008R2].[DB_MULTI_FG_
		Filegroup	FG_2		=	-	
	V	Filegroup	FG_20		<b>→</b>	= .	View comparison options
		E Data File	Filename				Refresh comparison results
		DB_MULTI_FG_100_	4 D:\Data\Sql2008\DB_M	ULTI_FG_100_4.ndf			
		Filegroup	FG_30		→		→ Go to next difference
		Filegroup	FS_FG_1		-		→ Go to previous difference
		Filegroup	FS_FG_10				Toggle equal objects
		Filegroup	FS_FG_2				<ul> <li>Toggle different objects</li> </ul>
		Filegroup	FS FG 20		-	-	Toggle different objects
AI (	TER DATABA NAME = FILENAM MAXSIZE FILEGRO FILEGROUP	= UNLIMITED, WTH = 1MB	] ADD FILE				

You can also exclude filegroups or specific data files, similar to other database objects. Excluded items will not be synchronized.

The following restrictions apply to filegroup synchronization:

- Filegroups can only be added to the database. They cannot be altered or removed.
- Data files are only added to the new filegroups. Data files on existing filegroups are not modified.
- SQL Server does not support transactional execution of DDL statements for filegroups or data files, which means that changes to the filegroup structure cannot be rolled back.

Total compare from data to schema with IDERA SQL Comparison Toolset. Learn more >>

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