SysTools SQL Log Analyzer Software

Best Tool to Read & Analyze SQL Server Log File (.ldf) Transactions

SysTools SQL Log Analyzer Tool is an advanced solution for analyzing SQL Server transaction log files (LDF). This tool enables users to view, analyze, and export transaction details, including INSERT, UPDATE, DELETE, and other operations performed on a SQL Server database. Designed for database administrators, forensic experts, and IT professionals, the tool ensures precise analysis of SQL Server activities, aiding in auditing and troubleshooting. It supports SQL Server LDF and associated MDF files from all major SQL Server versions, providing flexibility and efficiency in database log analysis.

Note: Visit Official Page of <u>SysTools SQL Log Analyzer Software</u>

Steps to Understand Transaction Log File of SQL Server Database

All the instructions are listed below, simply follow, and analyze SQL server database file log entries. Visit official webpage and download the utility and then install.

Step-1: Open & launch the SQL Log Analyzer tool. Click on **Open** to add .ldf /.mdf file to the application.

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S	ysTools®		SQL Log	Analyzer				
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Step-2: If user select Online DB Option, Software allows you to select the Server Name from available list. If the Server Name not available in the list, then, you can enter it manually. Afterward, choose Authentication and click on Select Database option drop down arrow to opt for desired database.

SysTools SQL Log Simplifying Technology ONE CLICK TOOL 1	Analyzer o Analyze Sql .LDF FILE		
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♥ <database name=""> Transaction</database>	Online DB Options Uve DB Options Server name : DESKTOP-46QQVME Image: Contract of the server name : Cogin Credentials User name : Password : Select Database : Person Image: Contract of the server rempole ReportServer ReportServer <t< td=""><td>overy Export</td><td>Query</td></t<>	overy Export	Query

Step-3: You can view the complete scanning details such as; *No. of Records, No. of Inserts, No. of Updates, & No. of Deletes*. Click OK to proceed. You can preview data of each table by selecting it from left-side panel.

SysTools® Simplifying Technology		g Analyzer				
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sample-migration (SQL Ser	Transaction	Login Name	Time	Table Name	Transaction Name	Query
ALL(184)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:10	oustomer	INSERT	Insert into [dbo].[customer]
dbo.attendence(6)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into [dbo].[customer]
dbo.customer(24)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into [dbo].[customer]
dbo.department(4)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into [dbo].[customer]
dbo.employee(5)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into [dbo].[customer]
dbo.employeedetail(11) dbo.exam(6)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into [dbo].[customer]
dbo.Example(7)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into [dbo].[customer]
dbo.fueldetail(14)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into [dbo].[customer]
dbo.manager(5)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into (dbo).[customer]
dbo.Material3(5)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into (dbo).(customer)
dbo.mytable(17)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into [dbo].[customer]
dbo.mytable2(5)	O INSERT	DESKTOP-46QGVME\admin	2017-11-30 04:34:11	customer	INSERT	Insert into (dbo).[customer]
dbo.orders(20)	DELETE	DESKTOP-46QGVME\admin	2017-11-30 08:58:31	customer	DELETE	Delete from [dbo].[custome
dbo.productdetail(9)	DELETE	DESKTOP-46QGVME\admin	2017-11-30 08:58:31	customer	DELETE	Delete from [dbo].[custome
dbo.products(7)	1 DELETE	DESKTOP-46QGVME\admin	2017-11-30 08:58:31	customer	DELETE	Delete from [dbo].[custome
dbo.tablea(9)	1	REA. (74.6. (17.6. (19)) 1 1	**** ** ** ** ** **			
dbo.tableb(9)						
dbo.tablename(8) dbo.test(4)	1 - 24					< >
dbo.test2(4) dbo.testing(5)		Read SQL Server → Open	LOG Files fo ♪ Scan	or Analysis 8 Q → Preview	Recovery	

Step-4: Check the transaction record type checkbox that you want to export: *INSERT, UPDATE, and DELETE*. Check the **Date Filter** option to export transaction records of a selected date range. Click on **Export** to begin the export procedure.

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SQL Log Analyzer provides	following export opti	ons:		
Export Filters				
✓ Insert	▽ ∪	pdate	✓ Delete	
Date Filters				
Apply Date Filters	From : 2016/0	5/01 08:12:16 💌	To : 2018/07/02 08:12:16 -	·
Export To/As				
	C		Scripts O CSV	
SQL Server Database	O SQL Se	rver Compatible SQL	Scripts OCSV	
Database Credentials				
Server Name : DESKTO	P-460GVME	Authentication	: Windows Authentication	•
Login Credentials for SQI				_
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Step-5: A prompt up window will open that will ask - Do you want to **Export the Details to a .csv file**? Click **Yes** if you want.

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Open Load Save Export	1 1	Image: Constraint of the second sec				
Solution Series Solution Series	Transaction INSERT INSERT INSERT INSERT INSERT INSERT	Login Name Time Table Name DESKTOP-46QGVME(admin 2017-11-30 04:34:11 attendence ✓ Eporting × 100% OK		INSERT INSERT INSERT	Query Insert into [dbo].[attendence] ([no Insert into [dbo].[attendence] ([no Insert into [dbo].[attendence] ([no Insert into [dbo].[attendence] ([no	
Ø: dbo.exam(6) Ø: dbo.fueldetail(14) Ø: dbo.mager(5) Ø: dbo.mager(5) Ø: dbo.material3(5) Ø: dbo.mytable(17) Ø: dbo.mytable(2(5) Ø: dbo.productetail(9) Ø: dbo.products(7) Ø: dbo.atable(39)	Q INSERT	Table Name attendence custome employeedetai exam forsidetail manager Material3 mytable	Log Anslyzer o you want to Export the Details to Yes 17	a.csvfile?	- INSERT	Insert into (dbo).[attendence] ((nor
Ido.tablename(8) Ido.tablename(8) Ido.test(4) Ido.test(4) Ido.test(4) Ido.test(5)	¢ 1+6	mytable2 anfare ¢	5° 20	Completed Completed Commisered		, X >
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Final Points

- **Detailed SQL Log Analysis**: Provides insights into all transactions, including INSERT, UPDATE, and DELETE operations.
- Transaction Visibility: Displays before-and-after data for precise auditing.
- **Deleted Record Analysis**: Enables recovery and inspection of deleted data from transaction logs.
- Export Options: Save analyzed data to live SQL Server, SQL scripts, or CSV formats.
- Filter Transactions: Search and filter transactions based on date, time, operation type, or affected tables.
- **Supports Live and Offline Databases**: Works with both live SQL Server instances and offline database files.
- Wide Compatibility: Supports all major SQL Server versions, including SQL Server 2019 and below.
- **User-Friendly Interface**: Simplifies log analysis for forensic experts and database administrators.
- Windows Support: Compatible with Windows 11 and earlier versions.

SysTools SQL Log Analyzer Tool is an essential solution for analyzing and auditing SQL Server transaction logs, providing actionable insights and comprehensive database activity tracking.