Exporting System Log to SQL Database

This article describes how to use the DTS Import/Export Wizard to import data to Microsoft SQL Server database named Event_Viewer_Record from an exported file of Event Viewer.

Exporting Application Log To a Text File

- 1. Launch Event Viewer from Start→Programs→Administrative Tools→ Event Viewer.
- 2. Right Click **System log→Export List** to export this data in a Text file.

👫 Event Viewer						
Action View $4 \leftrightarrow 3 \approx 10^{10}$ $1 \approx 10^{10}$ $1 \approx 10^{10}$						
Tree System Log 47 event(s)						
Event Viewer	(Local)	Туре	Date	Time	Source	Ca▲
📕 😣 Applicatio	on Log	SError	2/18/2003	10:21:10 AM	Schannel	No
Security I	Log	(Information	2/18/2003	10:20:22 AM	eventlog	No
🖳 💮 System L	00	Information	2/18/2003	10:20:22 AM	eventlog	No
	Open Log File	Information	2/17/2003	6:04:08 PM	eventlog	No
	Save Log File As	Error	2/17/2003	5:23:00 PM	Schannel	No
	New Log View	Information	2/17/2003	5:22:14 PM	eventlog	No
	Clear all Events	Information	2/17/2003	5:22:14 PM	eventlog	No
	View	Information	2/17/2003	5:20:41 PM	eventlog	No
			2/17/2003	5:20:20 PM	Windows File Protection	No
	Rename	2 Information	2/17/2003	5:20:20 PM	Windows File Protection	No
	Refresh	2 Information	2/17/2003	5:20:20 PM	Windows File Protection	No
	Export List	Information	2/17/2003	5:20:20 PM	Windows File Protection	No
	Properties	- PInformation	2/17/2003	5:20:14 PM	Windows File Protection	No
		Information	2/17/2003	5:20:14 PM	Windows File Protection	No
	Help	2 Information	2/17/2003	5:20:14 PM	Windows File Protection	No
· ·		👰 Information	2/17/2003	5:20:14 PM	Windows File Protection	No
		Warning	2/17/2003	5:20:09 PM	cdrom	No
		Error	2/17/2003	5:12:27 PM	Schannel	No
		(Information	2/17/2003	5:11:42 PM	eventlog	No 💌
<u> </u>		•				
Exports the curre	nt list to a file					

3. Save this file with a proper name like System Log.

Save As				J	? ×
Save in: 🔂	Event Viewer	•	(-	• 🎟 🏷	
File name:	System Log			Save	
Save as type:	Text (Tab Delimited) (*.txt)		•	Cancel	
	Save Only Selected Rows				//.

Importing Text File to Database

4. Start SQL Enterprise Manager, select Data Transformation Services and click the Import Data option to launch Data Transformation Services Import wizard.

🚡 SQL Server Enterprise Manager - [Console Roo	oot\Microsoft SQL Servers\SQL Se 📃	
∫ 🚰 ⊆onsole <u>W</u> indow <u>H</u> elp	_	8 ×
	< 🗃 🗗 🖪 🛛 🕄	
* 🔊 🕼 🕕 🗊 🔁		
Tree	Data Transformation Services 3 Items	
Console Root Microsoft SQL Servers SQL Server Group SERVER (Windows NT) Console Root SERVER (Windows NT) Console Root SERVER (Windows NT) Console Root SERVER (Windows NT) Console Root Console Root Con	Import Data Export Data Import Metadata Open Template	
]		

5. Click **Next** to Start the Data Transformation Import/Export Wizard.



6. Select **Text File** as a data source, enter the **path** of your previously saved Event Viewer file and click next.

🐐 DTS Import/Export Wizard 🔀 🔀
Choose a Data Source From where do you want to copy data? You can copy data from one of the following sources.
Data Source: Text File
Text files can be delimited or fixed field. To connect, you must select a file.
File name: D:\Event Viewer\System Log.txt
< Back Next > Cancel Help

7. Select the proper **file format** of your saved file or leave the **default settings** (Recommended).

🐝 DTS Import/Export Wizar	rd				
Select file format To import the data, confirm the source file format. Confirm that the file properties are correctly detected before proceeding.					
Delimit Fixed f	ted. The columns are separated by any character(s).				
File type:	ANSI Skip rows: 0 🗧				
Row delimiter:	CR){LF}				
Text qualifier:	Double Quote {"}				
Preview of file: D:\Ever	nt Viewer\System Log.txt				
Type Date Error 2/18/20 Information Information	Time Source Category E▲ 003 1:54:42 PM Schannel 2/18/2003 1:53:53 PM ∈ 2/18/2003 1:53:53 PM ∈ ▼				
	< Back Next > Cancel Help				

8. Select the desired **column delimiter**.

Import/Expo	rt Wizard			
e cify Column D Now you must s comma, tab, ser	elimiter pecify the source file nicolon, or another o	e's column delimiter type character.	e. You can choose	
C Comma	 Tab 	C Semicolon	O Other:	
Preview:	·		1	
Col001	Col002	Col003	Col004	
Туре	Date	Time	Source	
Error	2/18/2003	1:54:42 PM	Schannel	
Information	2/18/2003	1:53:53 PM	eventlog	
Information	2/18/2003	1:53:53 PM	eventlog	
Error	2/18/2003	1:53:53 PM	eventlog	
Error	2/18/2003	10:21:10 AM	Schannel	
Information	2/18/2003	10:20:22 AM	eventlog	
Information	2/18/2003	10:20:22 AM	eventlog	
Information	2/17/2003	6:04:08 PM	eventlog	-

9. Select your **database provider** (Destination), **database server** and **database name** (Event_Viewer_Record) where you want to import data in the next phase.

🍓 DTS Impor	t/Export Wizard	×
Choose a To whe destina	destination are do you want to copy tions.	data? You can copy data to one of the following
Destina	tion: 📑 Micro	soft OLE DB Provider for SQL Server
E	To connect to Micro name, and password	soft SQL Server, you must specify the server, user I.
	Server:	SERVER
	Use Windows Ar	uthentication
	C Use SQL Server	Authentication
	Username:	
	Password:	
	Database:	Event Vie Refresh Advanced
		KBack Next > Cancel Help

10. Select your **source** and **destination** tables.

🙀 DTS Import/Export Wizard	×
Select Source Tables and Views You can choose one or more tables or views and data as it appears in the source or click ActiveX scripts.	to copy. You can copy the schema () to transform the data using
Table(s) and View(s):	
Source	Destination
🔽 😚 D:\Event Viewer\System Log.txt	[Event_Viewer_Record].[dbo].[Syste
Select All Deselect All	Preview
< Back	Next > Cancel Help

11. Run this import export process **immediately** or define a **scheduling** for this process. Similarly, you can also save this process as a DTS package.

🐔 DTS I	mport/Export Wizard		×
Save S	e, schedule, and replicate pa ipecify if you want to save this DT chedule the package to be execu	ackage S package. You may also replicate the data or uted at a later time.	
Г	When		-
	🔽 Run immediately	Use replication to publish destination data	
	🔲 Schedule DTS package fo	r later execution	
	Occurs every 1 day(s), at 1	2:00:00 AM.	
Г	Save	C 2001 0	
	🔲 Save DTS Package	SULServer	
		C Sul Server Meta Data Services	
		C Structured Storage File	
L		U Visual Basic File	
	< Ba	ack Next > Cancel He	elp

12. Finally confirm your whole wizard process by reviewing the **Summary**.

South Stranger Strang	d	×
	Completing the DTS Import/Export Wizard You have successfully specified the information required to copy, transform, or transfer the data. Review the selections below and click on FINISH to execute	
	Summary: Source: Flat File Using DTS Flat File Provider Location: D:\E vent Viewer\System Log.txt Destination: Microsoft SQL Server Using Microsoft OLE DB Provider for SQL Server Location: SERVER Database: E vent_Viewer_Record Tables	
	< Back Finish Cancel Help	

Executing Package		
	See.	
Flat File		Microsoft SQL Server
Progress:		
Status:		
Step Name		Status
Create Table [Event_View	ver_Record].[dbo].[System Log] S	Step Complete
Copy Data from System Lo	og to [Event_Viewer_Record].[db	o Complete (52)
DTS Import/Export Wizar	d	×
Successfully copie	ed 1 table(s) from Flat File to Mic	rosoft SQL Server.
		Done

13. After Successfully completing this wizard, you will receive this type of message.

- 14. At last, click **Ok** and then click **Done** to end this process.15. Your System log has been successfully imported to an SQL database.