

Procedure to Backup Agilent's Medalist Intelligent Test Framework (ITF) 3.1.1 Database and DataStore and Restore Them in a New ITF Server with SQL2000

# **Application Note**



### Introduction

This document is targeted at users who are archiving historical data or migrating to a more powerful server utilized to run Agilent's Intelligent Test Framework (ITF). Once the new server is loaded with the necessary Operating System, SQL software and ITF components, IT personal or experienced users who are familiar with the ITF software will be able to migrate existing (or restore) user information and database to the new hardware.



## Procedure: At the Existing Server

- Go to the ITF3.1.1 <installation root> \bin folder (standard case should be C:\Agilent\ITFSS3.1\ITF\bin)
- 2. There should be a StopServices.bat file available in the folder, double click to run this file. This is show in Figure 1.
- 3. Next, start the "SQL Enterprise Manager" application. (Start > All Programs > Microsoft SQL Server > Enterprise Manager) as shown in Figure 2.
- On the left hand side pane, expand the tree until you see the item "itf" under "Databases" as shown in the Figure 3. Expand procedure should be eg. Microsoft SQL Servers -> SQL Server Group -> (local) (Windows NT) -> Databases.

Name 🔺	Size	Туре
🛱 GenCAMToXML	32 KB	Application
InstallServices	3 KB	Windows Batch File
🖻 InstallServices.bat_old	3 KB	BAT_OLD File
RemoveServices	1 KB	Windows Batch File
RmiService	105 KB	Application
ServiceDepends	28 KB	Application
StartServices	1 KB	Windows Batch File
StopServices	1 KB	Windows Batch File
Testaigniav.ocx	2,072 KB	ACUVEX CONIFO

Figure 1: Find StopServices.bat file



Figure 2: Start SQL Enterprise Manager



Figure 3: Find the 'itf' folder

- Right click on the "itf", go to "All Tasks" and there will be a "Detach Database..." option, Click on the option (Figure 4).
- 6. At the "Detach Database itf" window, click on the "Clear" button if there are any connections (highlighted in blue in Figure 5), if not ignore this, then click the "OK" button.
- When the "itf" database has successfully detach, a popup message will appear to indicate detach successful as shown in Figure 6.
- 8. Next go to the system tray and double click on the Icon for SQLSERVER (icon example shown in Figure 7) then click on the "Stop" button to stop SQLSERVER service and click "Yes" to confirm. When SQLSERVER has stopped the System Tray icon for SQLSERVER will change as shown in Figure 7.
- Next navigate to the folder where "itf\_data.MDF" and "itf\_Log.LDF" files are stored. (Typical case would be at E:\Program Files\Microsoft SQL Server\MSSQL\Data) Copy these 2 files out to be transferred over to new ITF Server, as shown in Figure 9.



Figure 4: Click on Detach Database option

Detach the database from the ser copied. A detached database car atabase status	ver so that the datab not be used until it is	ase files can attached a <u>c</u>
Connections using this database:	0	Clear
STATUS: The database is ready to be deta etach options	ached.	
Update statistics prior to detach		
ΟΚ	Cancel	Held

Figure 5: Instructions for Step 6



Figure 6: Popup Message



Figure 7: Instructions for Step 8

- After that, navigate to the Datastore folder which typically should be E:\Agilent\ITFSS\DataStore and copy the whole folder out to be transferred over to new ITF Server, as shown in Figure 10.
- 11. Next, if resuming ITF server operation is desired, proceed to Start back the SQLSERVER service and followed by starting back ITF Services by following the steps depicted in Figure 11.

눧 E: \Program Files \Microsoft SQL	Server\MSSQL\Data		
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>F</u>	<u>⊣</u> elp		
🔇 Back 🔻 🕤 🔻 🍠 🔎 Search 🌔 F	olders 🛄 🔫		
Address 🛅 E:\Program Files\Microsoft S	SQL Server\MSSQL\Data		
	Name	Size	Туре
File and Folder Tasks *	🕑 itf_Data	15,360 KB	SQL Server Database
🧭 Make a new folder	🕼 itf_Log	2,048 KB	SQL Server Database

Figure 9: Instructions for Step 9.



Figure 10: Instructions for Step 10.



Double click startservicces.bat to start back brack transmission 11.

## Procedure: At the New Server

- Go to the ITF3.1.1 <installation root>\ bin folder (standard case should be C:\Agilent\ITFSS3.1\ITF\bin)
- 2. Stop the ITF services by double clicking StopServices.bat file available in the folder, Figure 12.
- As shown in Figure 13, start the "SQL Enterprise Manager" application. (Start > All Programs > Microsoft SQL Server > Enterprise Manager)
- Proceed to the left pane and expand the tree until you see the item "itf" under "Databases" as shown in Figure 14. Expand procedure should be eg. Microsoft SQL Servers -> SQL Server Group -> (local) (Windows NT) -> Databases

Name 🔺	Size	Туре
🖪 GenCAMToXML	32 KB	Application
InstallServices	3 KB	Windows Batch File
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StartServices	1 KB	Windows Batch File
StopServices	1 KB	Windows Batch File
Testaightsv.ocx	2,072 KB	ACUVEX CONITO

Figure 12: Find StopServices.bat file



Figure 13: Start SQL Enterprise Manager



Figure 14: Find the 'itf' folder

- Right click on the "itf", go to "All Tasks" and there will be a "Detach Database..." option, Click on the option (Figure 15).
- 6. At the "Detach Database itf" window, click on the "Clear" button if there are any connections (highlighted in blue in Figure 16), if not ignore this, then click the "OK" button.
- When the "itf" database has successfully detach, a popup message will appear to indicate detach successful as shown in Figure 17.
- Next go to the system tray and double click on the lcon for SQLSERVER (icon example shown in Figure 18), then click on the "Stop" button to stop SQLSERVER service and click "Yes" to confirm. When SQLSERVER has stopped the System Tray icon for SQLSERVER will change as shown in Figure 18.



Figure 17: Popup Message

ind (local) (Wind	ows NT) es	 Diagrams	Tables	Views	S Pro
	New Database	•	6		
🗄 🗍 🖬 🗍	New	→ +	₩f <sub>*</sub>		
	All Tasks	•	Import Data		
±…∥ pu	View	• -	Export Data		
🕀 🚺 ter	New Window fro	m Here	Maintenance Pla	n	
😟 📄 Data T 🗆	Delete		Generate SQL S	cript	
🕂 🦲 Replica	Refresh		Backup Databas	e	
🕀 🧰 Securit	Export List		Restore Databa:	se	
⊡ 📄 Suppor	Properties		Shrink Database		
	Liele		Detach Databas	e	
L,	пер		Take Offline		
			Copy Subscriptio View Replication	on Database Conflicts	

Figure 15: Click on Detach Database option

Connections using this database:   0   Clear     Database being replicated:   No     STATUS:   The database is ready to be detached.     Vetach options	Detach the database from the se copied. A detached database ca patabase status	rver so that the databa nnot be used until it is	ase files can b attached aga
Database being replicated: No STATUS: The database is ready to be detached. Petach options Update statistics prior to detach	Connections using this database:	0	Clear
Petach options	STATUS: The database is ready to be de	tached.	
	letach options		

Figure 16: Instructions for Step 6



Figure 18: Instructions for Step 8.

- Now navigate to the folder where the new "itf\_data.MDF" and "itf\_data. LDF" files are stored. (Typical case would be at E:\Program Files\Microsoft SQL Server\MSSQL\Data) Rename these 2 files (eg. itf\_data\_ backup.MDF, itf\_data\_backup.LDF) and remove them or move them to archive. See Figure 19.
- 10. Follow through by transferring the 2 files "itf\_data.MDF" and "itf\_data. LDF" that was copied out from the existing server to the folder as stated in Step 9 and Figure 19.
- After that, navigate to the folder E:\Agilent\ITFSS\ and rename the DataStore folder (eg. DataStore\_backup) and followed by deleting it or moving it to archive, see Figure 20.
- 12. Next, follow through by transferring the "DataStore" folder that was copied out from existing folder to the folder location as stated in Step 11 and Figure 20.
- 13. Now that the database files and data files from the existing server are already in place in the new server, the services are ready to start back. Proceed to start back the SQLSERVER service by following steps shown in Figure 21.
- 14. Go back to SQL Enterprise Manager (Step 3, Figure 13).

눧 E: \Program Files \Microsoft SQL :	Server\MSSQL\Data		
<u>Eile Edit View Favorites Tools E</u>	lelp		
🔇 Back 🔻 🕥 🔻 🇊 🔎 Search   🖻 F	olders 🛛 🖽 🔻		
Address 🛅 E:\Program Files\Microsoft S	iQL Server\MSSQL\Data		
	ivanie –	Size	Туре
File and Folder Tasks *	📴 itf_Data	15,360 KB	SQL Server Database
🧭 Make a new folder	🕑 itf_Log	2,048 KB	SQL Server Database

Figure 19: Instructions for Step 9.

🛅 E: \Agilent \ITFSS		
<u>File Edit View Favorites Tool</u>	s <u>H</u> elp	
🔇 Back 🔻 🕤 🔻 🎲 🔎 Search	🗁 Folders 🛛 🖽 🔫	
Address 🛅 E:\Agilent\ITFSS		
	Name 🔺	Size Type
File and Folder Tasks	CipataStore	File Folder
💋 Make a new folder		

Figure 20: Instructions for Step 11



Click start/continue button

- Proceed to the Left Hand side pane, Right Click on the "Databases" item, select "All Tasks" then select "Attach Database..." as shown in Figure 22.
- At the "Attach Database (local)" window, click on the "..." icon to go on to select the MDF file to attach, as shown in Figure 23.
- 17. Select the "itf\_Data.MDF" file that was previously transferred over from the existing server to this new server and click OK. (procedure would be to expand the tree from E:\ > Program Files > Microsoft SQL Server > MS-SQL > Data then select the itf\_Data. MDF file). See Figure 24.18). When the MDF file is loaded, the attach database window will appear as in Figure 25. Click OK to proceed.

Console Root		Databases	6 I	tems		
Microsoft SQL Servers Google Group Google Gr	NT)	master		model	<b>msdb</b>	Noi
🕀 🔰 master	New Data	base				
⊡ 10 mode ⊡ 10 msdb	All Tasks		۲	Backup Dat	abase	
⊡ 🕕 🚺 Northv ⊡ 🕕 🛄 pubs	View New Wind	ow from Here	T	Restore Dal Attach Data	tabase abase	
+ • • • • • • • • • • • • • • • • • • •	Refresh Export Lis	t		Import Data Export Data	a	
🕀 🧰 Replication 🕀 🦲 Security	Help		٦,	Copy Datab	ase Wizard	
🕀 🧰 Support Ser 🕀 🧰 Meta Data S	vices ervices					

Figure 22: Click on Attach Database

	Verify
Original File Name(s)	Current File(s) Location
< ]	ш
< ] utach as:	

Figure 23: Click on the '...' icon

Browse For Exis	ting File - (local)	×
	MB free) MB free)	^
Progra	m Files crosoft SQL Server I MSSQL 	
Selected file:	E:\Program Files\Microsoft SQL Serve	er\MSSQL\Data\it Cancel

Figure 24: Instructions for Step 17. 18: When the MDF file is loaded, the attach database window will appear as in Figure 25. Click OK to proceed.

- When the Database is attached successfully, a popup message will appear to indicate the successful attachment as shown in Figure 26.
- Now proceed to the <installation root>\bin folder - C:\Agilent\IT-FSS3.1\ITF\bin, and double click on the StartServices.bat file to start back the ITF services, as shown in Figure 27.
- 20. The Database and Data files migration is now complete! The user can verify if the data was transferred properly by going to the ITF Admin Client then go to Framework > Data Management > Data Viewer. The user will be able to see the data that was from the existing server now available at this new server, as shown in Figure 28.
- 21. Further verification can also be done by opening boards at the Medalist Repair Tool, formerly Agilent Repair Tool (ART) to see if everything loads up correctly.

Attach Database - (loca	d)	×
MDF file of database to atta	ch:	
E:\Program Files\Microsoft	SQL Server\MSSQL\Data\itf_Dat	t Verify
Original File Name(s)	Current File(s) Location	~
itf_Data.MDF	E:\Program Files\Micros	oft SQL Server\MSS
itf_Log.LDF	E:\Program Files\Micros	oft SQL Server\MSS
<	III	>
Attach as:	litf	
Specify database owner:	litfadmin	×
	OK Can	icel Help

Figure 25: Attach Database Window

SOL Server Enternrise Manager	Name 🔺
	🔁 GenCAMToXML
Attaching database has completed successfully.	InstallServices
	🖬 InstallServices.bat_old
	RemoveServices
	- RmiService
5' 00 D M	StartServices
Figure 26: Popup Message	StopServices
	STestSightSV.ocx

Figure 27: Start back the ITF services



Figure 28: Verify the data is there

## Summary

Archiving data is an important part of any data-driven process. This procedure provides users with the information they need to be successful with their migration or back-up.

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	**0.14 €/minute	
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