How to Copy A SQL Database – SQL Server Express (Making a History Company)

These instructions are written for use with SQL Server Express. Check with your Network Administrator if you are not sure if you are using the Express version of SQL Server. Shoptech Industrial Software is not responsible for data loss or corruption.

Copying A SQL Database

- 1. Open **SQL Server Management Studio Express**, and on the Connect to Server window enter the correct login and password information, then click the **Connect** button.
- 2. Browse to **Databases** in the Object Explorer pane and locate the database you want to copy.



- 3. Right click your database.
- 4. Select Tasks.
- 5. Select Back Up.

elect a page	🛒 Script 🝷 🚺 Help				
T General Coptions	Sauce				
	Database:		SAMPLE70		1
	Recovery model:		FULL		
	Backup type:		Full		
	Backup component:				
	O Database				
	Files and filegroup	DS:			
	Backup set				
	Name:	SAM	PLE70-Full Databa	ase Backup	
	Description:				
	Backup set will expire:	<i></i>			
	 After: 	0	\$	days	
onnection	🔿 On:	1/18/2006	~		
erver: WILLIAMS	Destination				
onnection	Back up to:	💿 Disk	O I	ape	
3	C:\Program Files\Micros	oft SQL Server\N	ISSQL\BACKUP	SAMPLE70.bak	Add
View connection prop	erties				Remove
ogress					Contents
Ready					
A and					

- 6. Make sure that the Backup Type is set to **Full**.
- 7. Check the Destination field to verify the path where the backup will be saved.
- 8. If this field is blank or incorrect, click the **Add** button. You can remove the entry in the field by clicking the **Remove** button. You may want to do this if you do not want to overwrite a previous backup file.
- 9. If you select the **Add** button, you will be prompted to select a backup destination.

Select Backup Destination	<	
Select the file or backup device for the backup destination. You can create backup devices for frequently used files.		
Destinations on disk		
File name:		
\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\Backup\		
O Backup device:		
OK Cancel		

10. Use the **Browse** button to select a new path for the backup file including the filename.

🔋 Locate Database Fi	iles - GULLETT
Select the file:	
C: E: Microsoft 3 Source of the second se	SQL Server IL 1 SSQL Backup Binn Data Instal Instal JOBS LOG repldata IL 2 e Information
Selected path:	E:\program files\Microsoft SQL Server\MSSQL.1\MSS
Files of type:	Backup Files(*.bak;*.tm)
File name:	
	OK Cancel

- 11. Select the path and enter the filename that you want the backup to create including the file extension. (The standard backup convention is "filename".BAK) Make a note of this path and filename as you will need to know them later.
- 12. Click **OK** twice to get back to the main Backup Database window.

13. If you decided to use an existing backup filename then you may want to have the backup overwrite the old backup. On the Backup Database window click **Options**. On this window you can tell the backup to **Overwrite all existing backup sets**. If you are creating a new backup file then skip this step.

🧃 Back Up Database - SAMPLE70		
Select a page	🔄 Script 🝷 🛐 Help	
Pptions	Overwrite media	

 Back on the General Page, the backup can be scheduled here, but we want to do the backup now, click OK.

Microsoft SQL Server Management Studio		
The backup of database 'SAMPLE70' completed successfully.		
₿ <u>a</u>	ОК	

- 15. You will get the above message when the backup is complete. Click **OK**.
- 16. Next we need to restore the backup to a new (or copy) database. Right click **Databases**.
- 17. Select Restore Database.



- 18. In the To database field enter the name you want to call the copy of your database. For history companies we recommend CompanyName_Year.
- 19. Select **From device**, and then click the button.

📟 Specify Backup		X
Specify the backup media and its lo	cation for your restore operation.	
Backup media:	File 🗸	
	Ad Rem Contr	d ove ants
	OK Cancel He	lp

- 20. Click the Add button. Then browse to the backup file you just made. Click OK twice.
- 21. Back on the General page, check the checkbox next to the backup you are about to restore.

Select the backup sets to restore:					
	Restore	Name	Component	Туре	Server
		SAMPLE70-Full Database Backup	Database	Full	CWILLIAMS\CWSQLEXPRE

- 22. In the Select a page pane, click **Options**.
- 23. Since we cannot have the same filename twice in a folder, edit the path in the Restore As column. You can use the same folder names, but change the file names that you will restore to. For example **SAMPLE70_Data.MDF** to **SAMPLE70_2005_Data.MDF**.

	Restore the database files as:			
	Original File Name	Restore As		
	SAMPLE70_Data	QL.1\MSSQL\Data\SAMPLE70_2005[Data		
	SAMPLE70_Log	C:\Program Files\Microsoft SQL Server\M		
Recovery state				
 Leave the database ready to use by rolling back uncommitted transactions. Additional transaction logs cannot be restored. (RESTORE WITH RECOVERY) 				

Be sure to edit both the Data and the Log file fields. Also make sure that the Recovery State is set to Leave the database ready to use by rolling back uncommitted transactions. Additional transaction logs cannot be restored. (RESTORE WITH RECOVERY). Click OK.

24. When the restore is complete, click **OK**.



Setting the Company Name

- 1. In the Microsoft SQL Server Management Studio Express, highlight your newly copied database. Then click the **New Query** button.
- Type the following text: update company set companycode = 'X' where X is equal to the name of the database you just created or exported into. The company code should be 12 characters or less.



- 3. Click the **Execute** button in the tool bar to run the command.
- 4. Close the Microsoft SQL Server Management Studio. Answer **No** to any prompts about saving the query you just ran.

Add It to Your List of Companies

- 1. Open the E2 Shop System. Go to File | System Maintenance | User Maintenance. Select the user you want to add the new SQL database to and click edit.
- 2. In the lower left corner, select **SQL Server** as the Database Type and click **Browse For DB**.

Update User X User ID: SUPERVISOR Name: System Administrator Password: PASS V LK Cancel Available Companies E-Mail Settings Misc Settings				
ļ	Allow Access	Company	Description	Database Path
	\checkmark	SAMPLE	ABC Machine Shop	C:\APPS\E2SS51\BLSWIN32\DAT\SAMPLE\
	\checkmark	SAMPLESQL	ABC Machine Shop	
-				
-				
	•		·	
D)atabasi	e Type: SQL Server	Browse For DB	Delete

3. In the Data Link Properties window, select **Microsoft OLE DB Provider for SQL Server** and click **NEXT**. On the Connection tab, select the **Server name**, specify a valid authentication method and select the database on the server. Note that if you specify a username and password check the box for **Allow Saving Password**. Click **OK**.

🖶 Data Link Properties	🔀 🗒 Data Link Properties 🔀
Provider Connection Advanced All	Provider Connection Advanced All
Select the data you want to connect to: OLE DB Provider(s) Microsoft ISAM 1.1 OLE DB Provider Microsoft Jet 4.0 OLE DB Provider for DTS Packages Microsoft OLE DB Provider for Indexing Service Microsoft OLE DB Provider for Internet Publishing Microsoft OLE DB Provider for ODBC Drivers Microsoft OLE DB Provider for OLAP Services Microsoft OLE DB Provider for OLAP Services 8.0 Microsoft OLE DB Provider for OLap Services 8.0 Microsoft OLE DB Provider for OLAP Services Microsoft OLE DB Provider for SQL Server Microsoft OLE DB Provider for SQL Server Microsoft OLE DB Simple Provider MSD ataShape OLE DB Provider for Microsoft Directory Services SQL Server Replication OLE DB Provider for DTS	Specify the following to connect to SQL Server data: 1. Select or enter a sgrver name: DONALD Image: Donal D Image: Donal D
Next >>	
OK Cancel Help	OK Cancel Help

4. The database is now added to the list. You can log into the newly copied database through E2.