

# Database Backup

**Question:** Is it possible to backup the whole SQL Server database of events?

**Answer:** Yes. A backup can be created (and restored) using Microsoft SQL Server Management Studio Express.

The software can be downloaded from:

<http://www.microsoft.com/downloads/details.aspx?FamilyId=C243A5AE-4BD1-4E3D-94B8-5A0F62BF7796&displaylang=en>

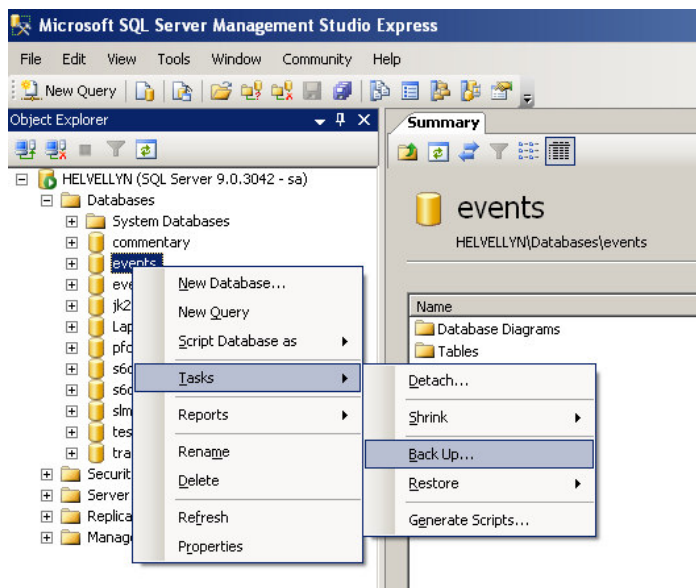
## Backup

1. Once downloaded and installed start the program and logon ("Connect") to your database server.

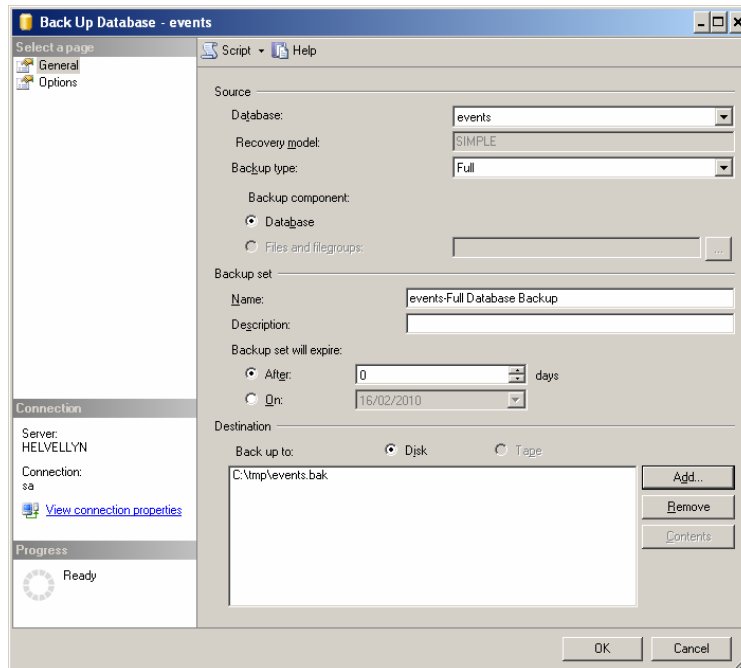


It is easiest to select "SQL Server Authentication" and use the login of "sa" and the password as per AutoDownload.

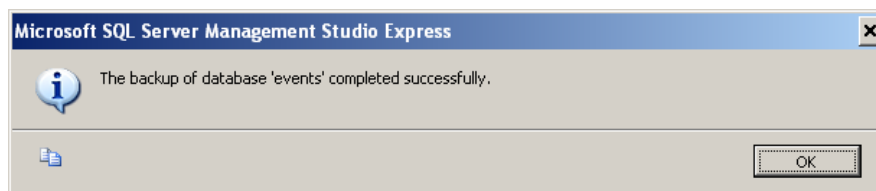
2. Navigate the tree on the left hand side into Databases and the right click on the appropriate database. Under Tasks select "Back Up..."



3. Make sure the backup type is "Full" and you are backing up to Disk and you know where the file is going to go. You can change the file location but you need to remember that the backup will run in the user space of the SQL Server not your locally logged on user so for example you won't be able to write to your My Documents folder. The file name should end with ".bak". Click "OK" to create the backup file.



Once the backup file has been created you should get a "success" message.

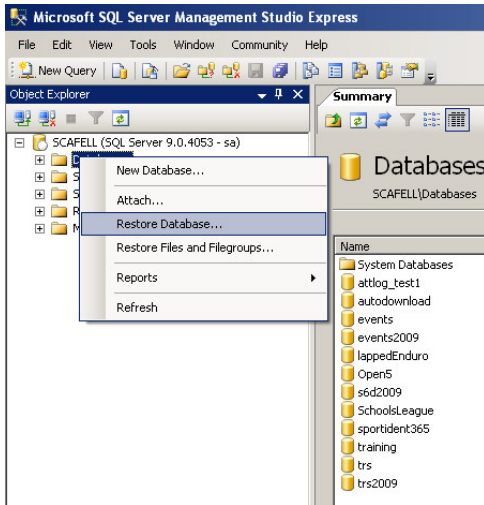


4. Keep the backup safe; it should not just be kept on the PC that has the database!

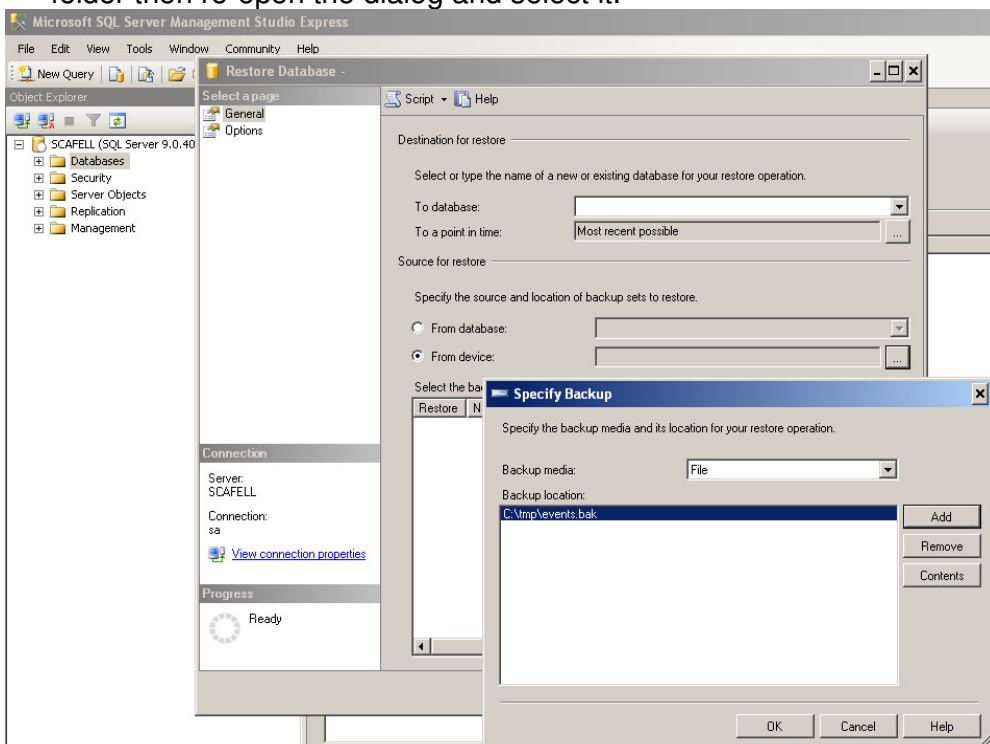
## Restore

To restore the database onto another computer:

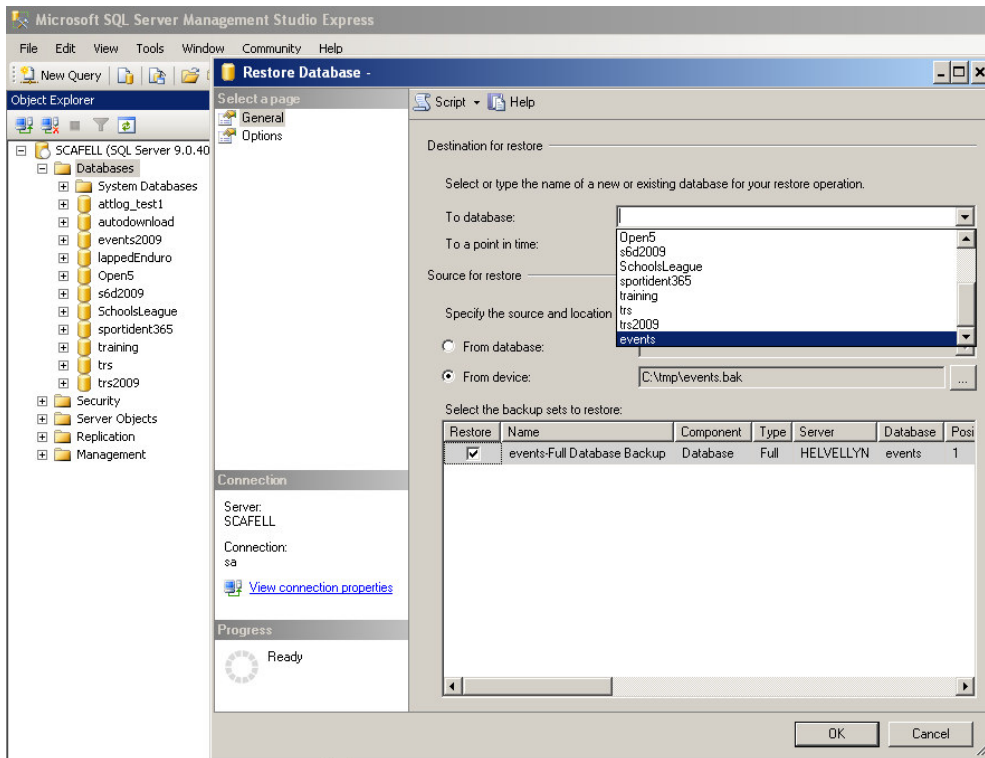
1. Start Microsoft SQL Server Management Studio Express and logon to your database server (as above).
2. To restore, right click on the "Databases" node in the tree view, and click "Restore Database"



3. This dialog is a bit topsy-turvy. First select "From device" about half way down, click the ellipsis button to select the file, add your backup file and then "OK". Note the same rules apply on file location for restore as for backup so make sure where you put the backup file is accessible by the SQL Server user. The easiest way to do this is to open the dialog to see where the default is, put the file in that folder then re-open the dialog and select it.



4. Clicking "OK" should have returned you to the original dialog and you should see a line in the grid at the bottom with your backup details in it, tick the box under "Restore". Now go back to the top of the dialog and the drop down for "To database" will have an option right at the bottom to restore to the original database name. You should select this name rather than a new one otherwise life gets complicated. Click "OK" and it should restore.



Once the restore has completed you should get a "success" message.

