

# SQL Express 2005 Configuration Guide



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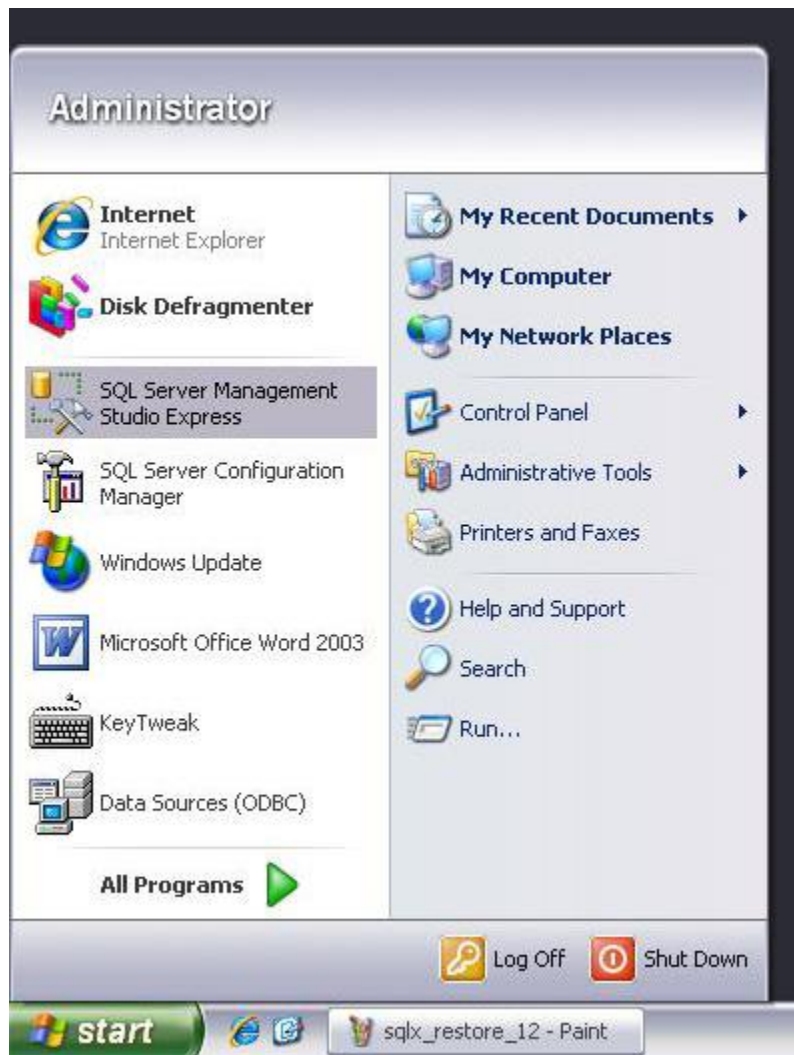
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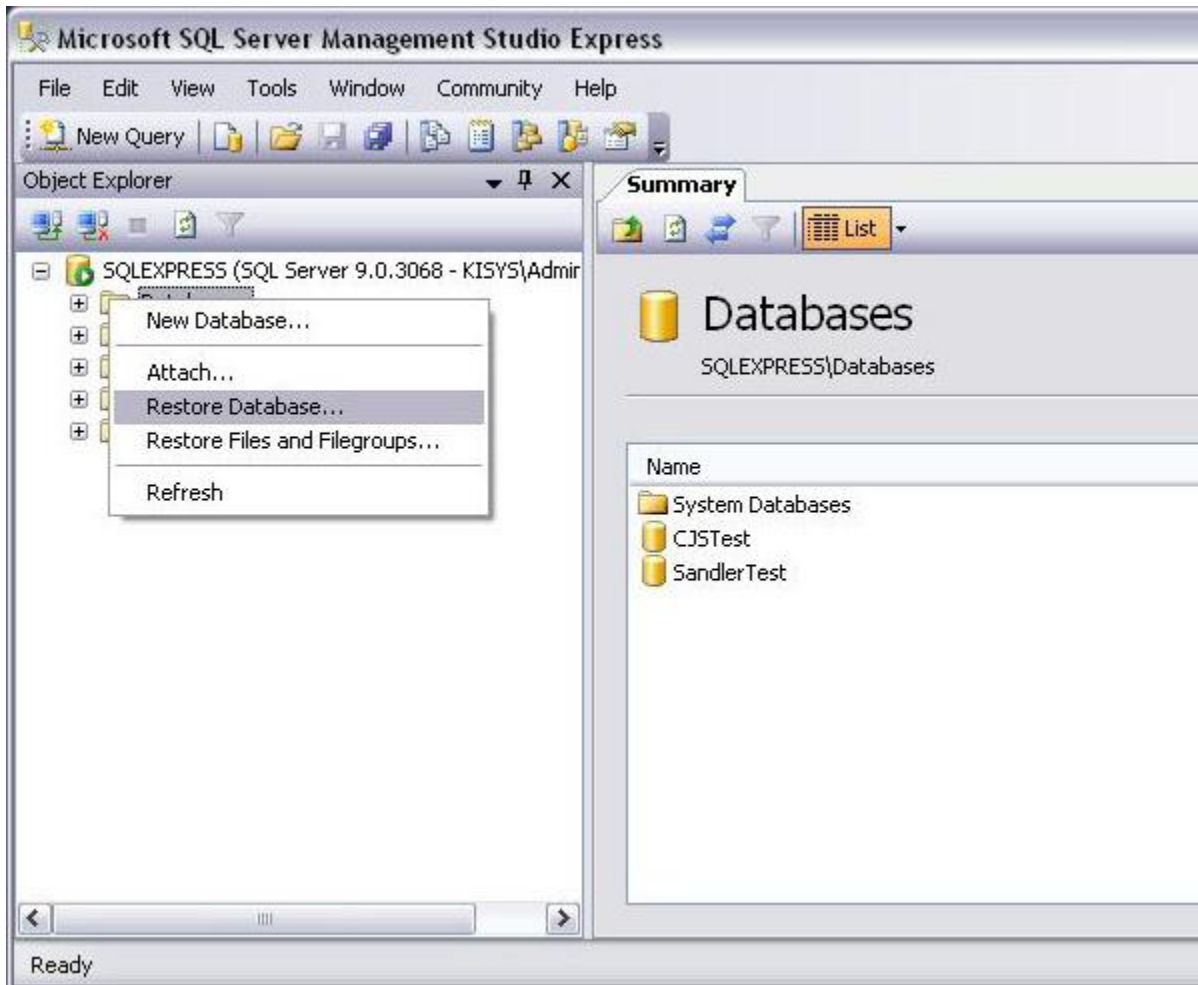
## How to restore a Database

Managing your databases in SQL Express is a breeze compared with Microsoft's previous MSDE. SQL Express Management Studio, a simplified version for SQL Express allows the backup & restore of databases with relative ease. To restore a database from an existing backup, follow the procedure outlined below.

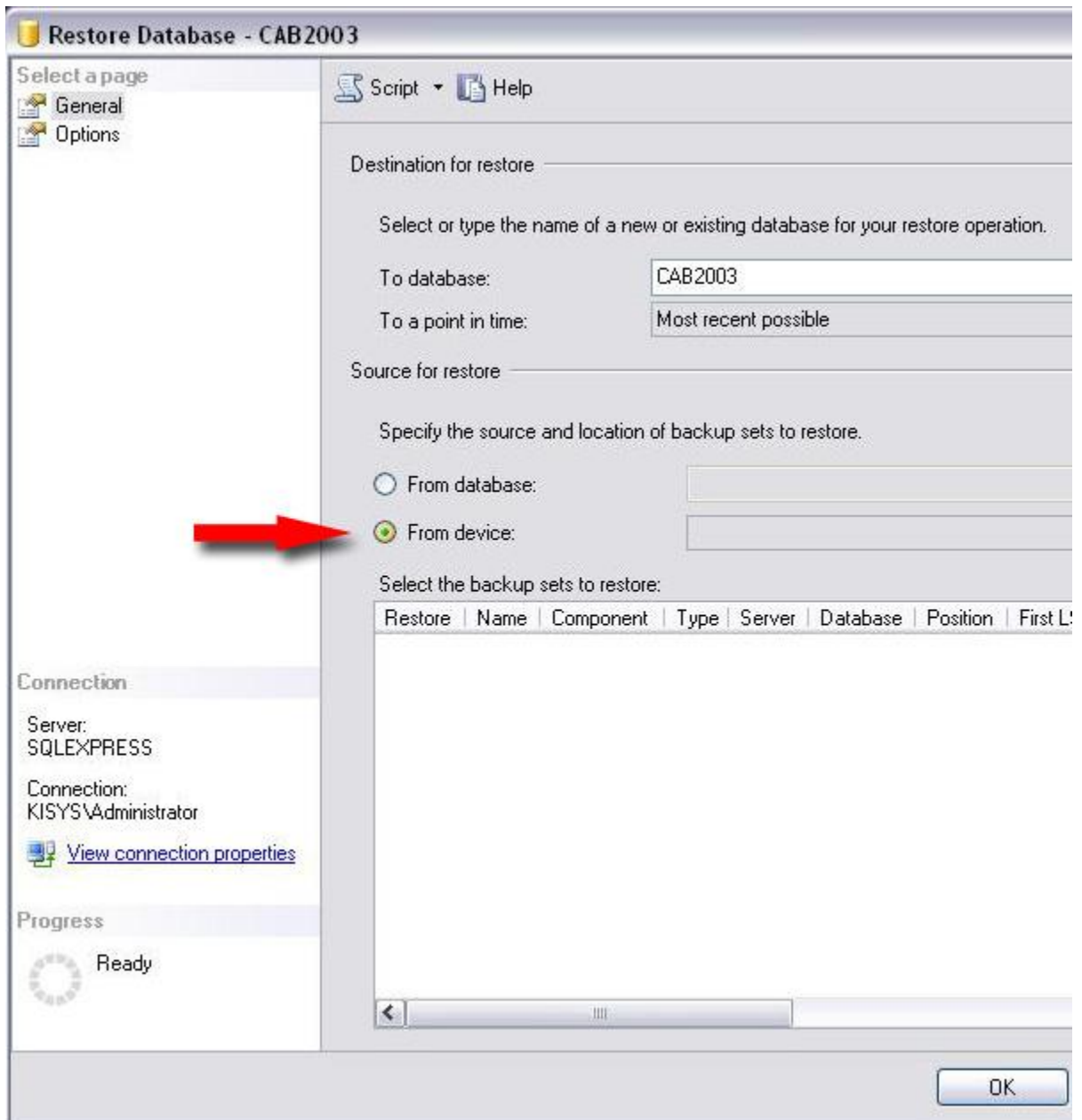
- ✓ Open the SQL Express Management Studio



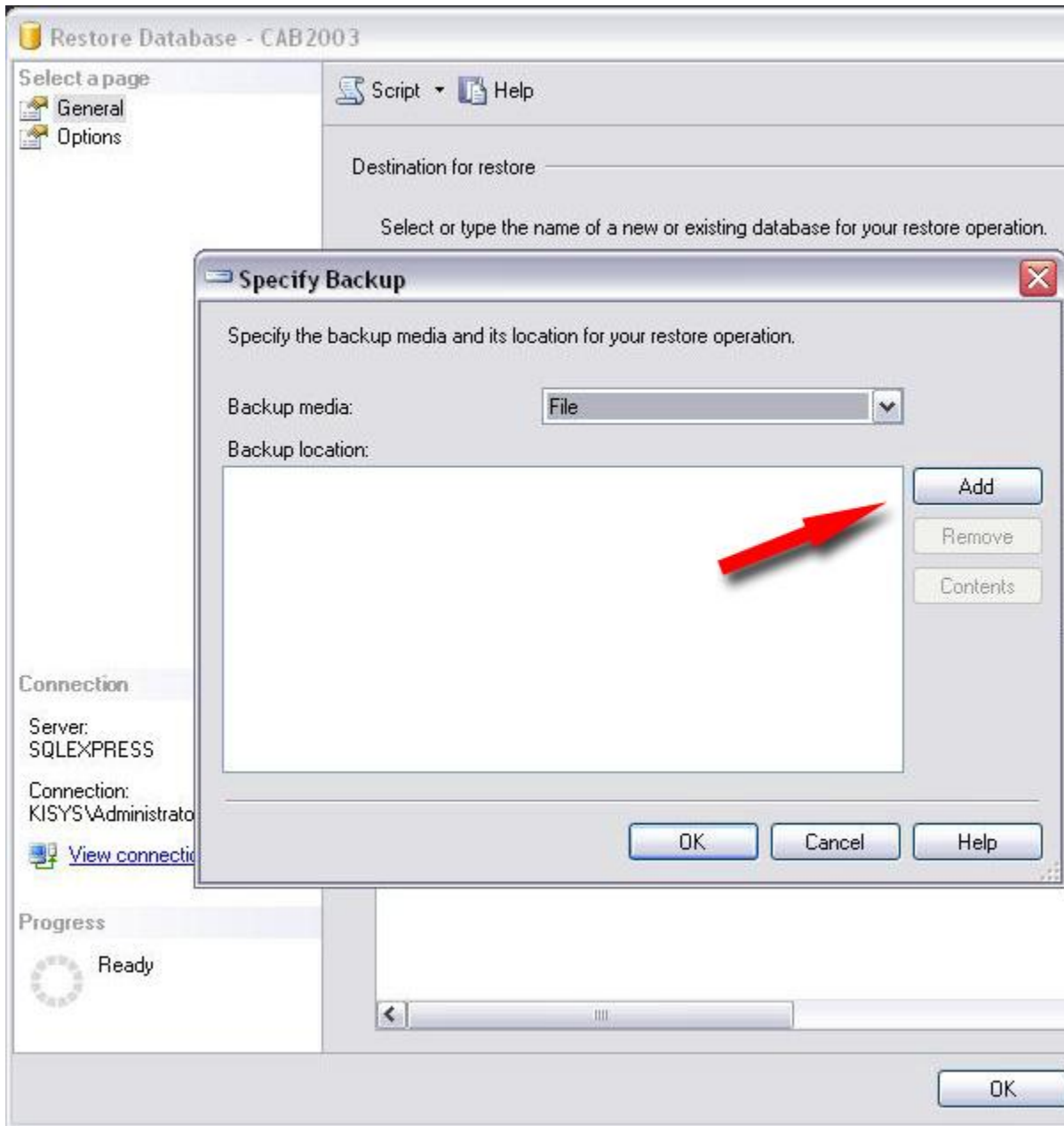
- ✓ When you are connected, expand the tree for your server.
- ✓ Right click the Database folder and select **Restore Database**



- ✓ In the **Destination for restore** box, enter the appropriate name for the database: for KI implementations the database typically has a specific name; in this example we use CAB2003 indicating this is a database used for Office 2003
- ✓ Under **Source for Restore**; select **From Device**.

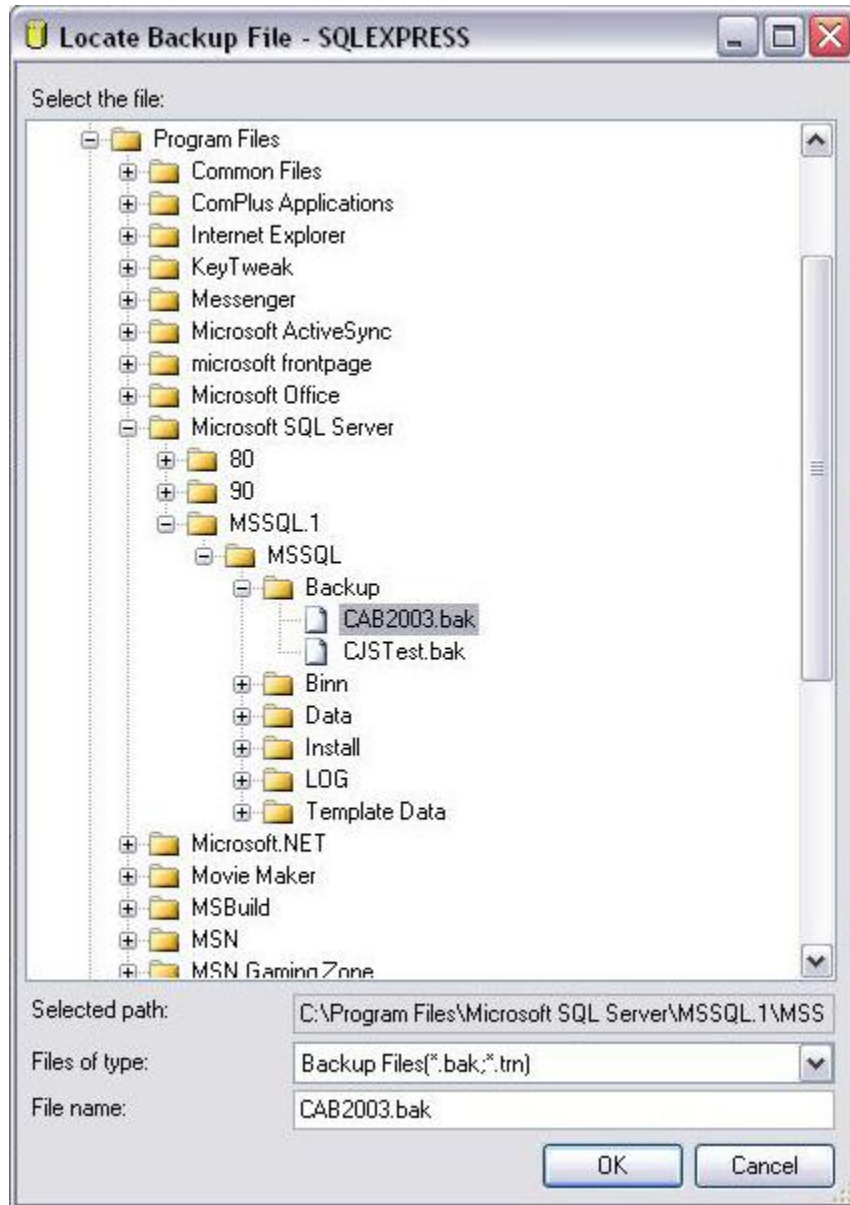


- ✓ Click the **Browse** button to the right of the From Device field
- ✓ Click Add in the **Specify Backup** window



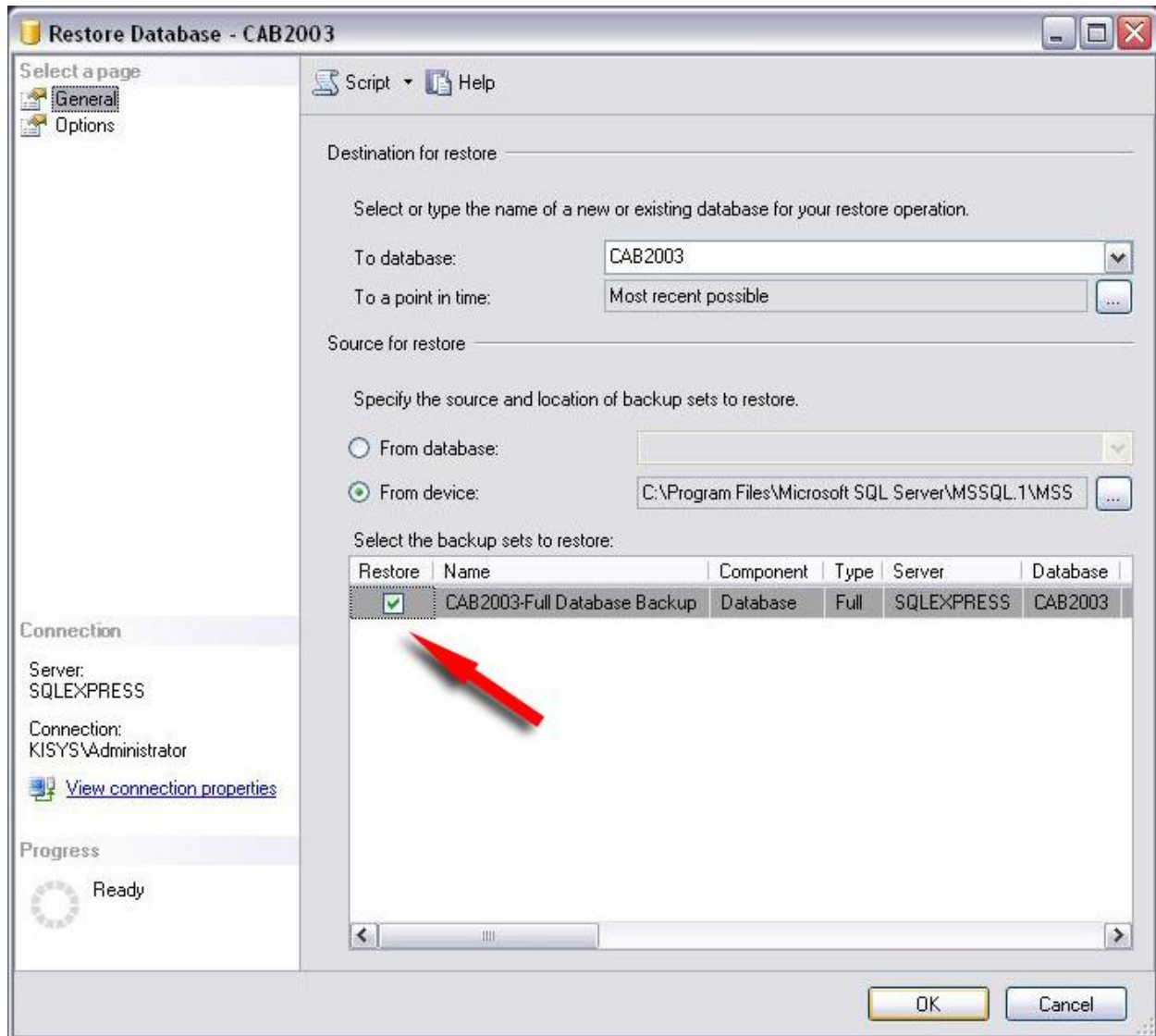


- ✓ Locate and select the backup file: in this example the backup resides in the default backup location for SQL and is called CAB2003
- ✓ Select the backup file

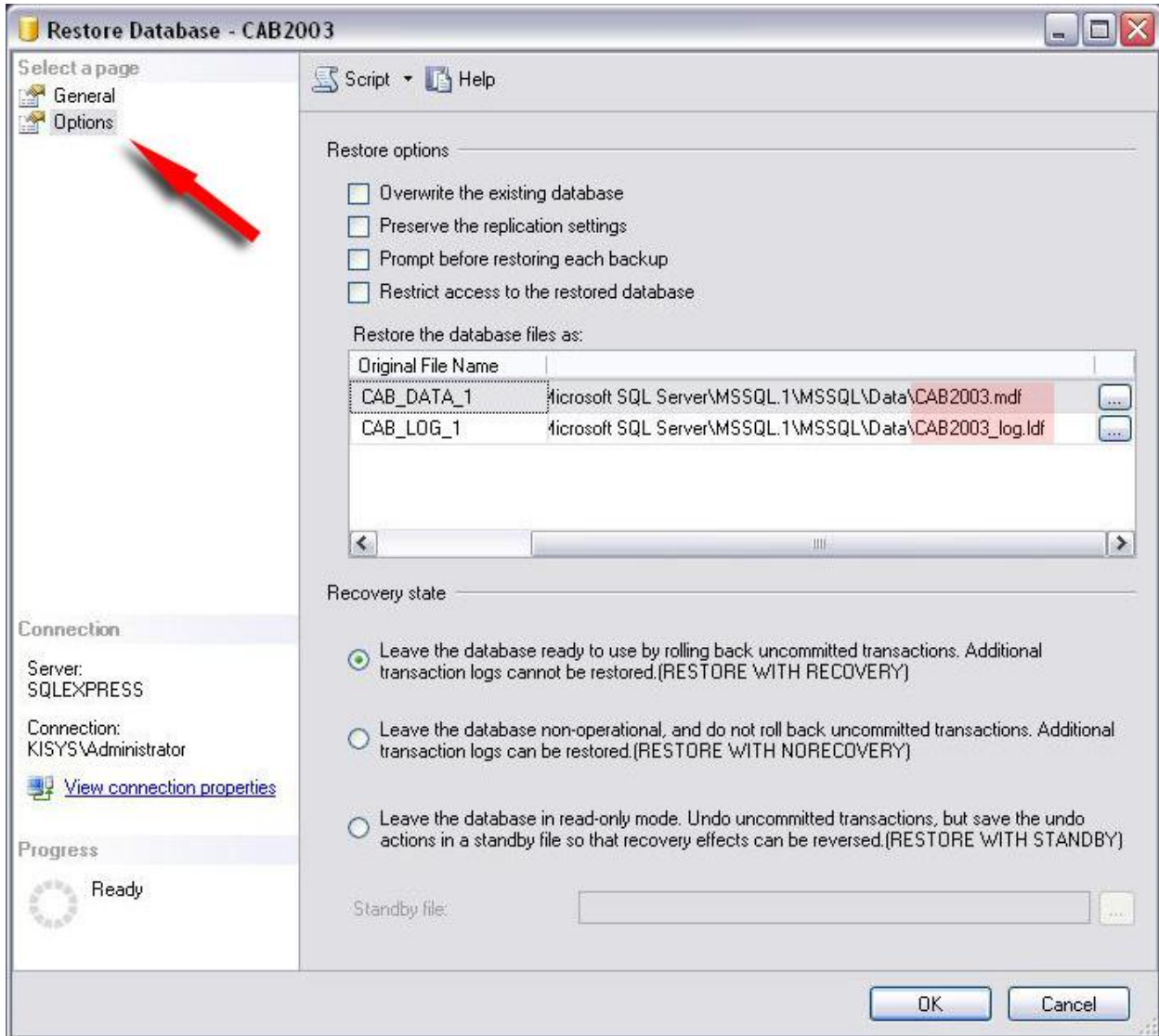


- ✓ Click OK

- ✓ You will now see your chosen backup in **Select the backup sets to restore**
- ✓ Place a check in the check-box next to the backup set

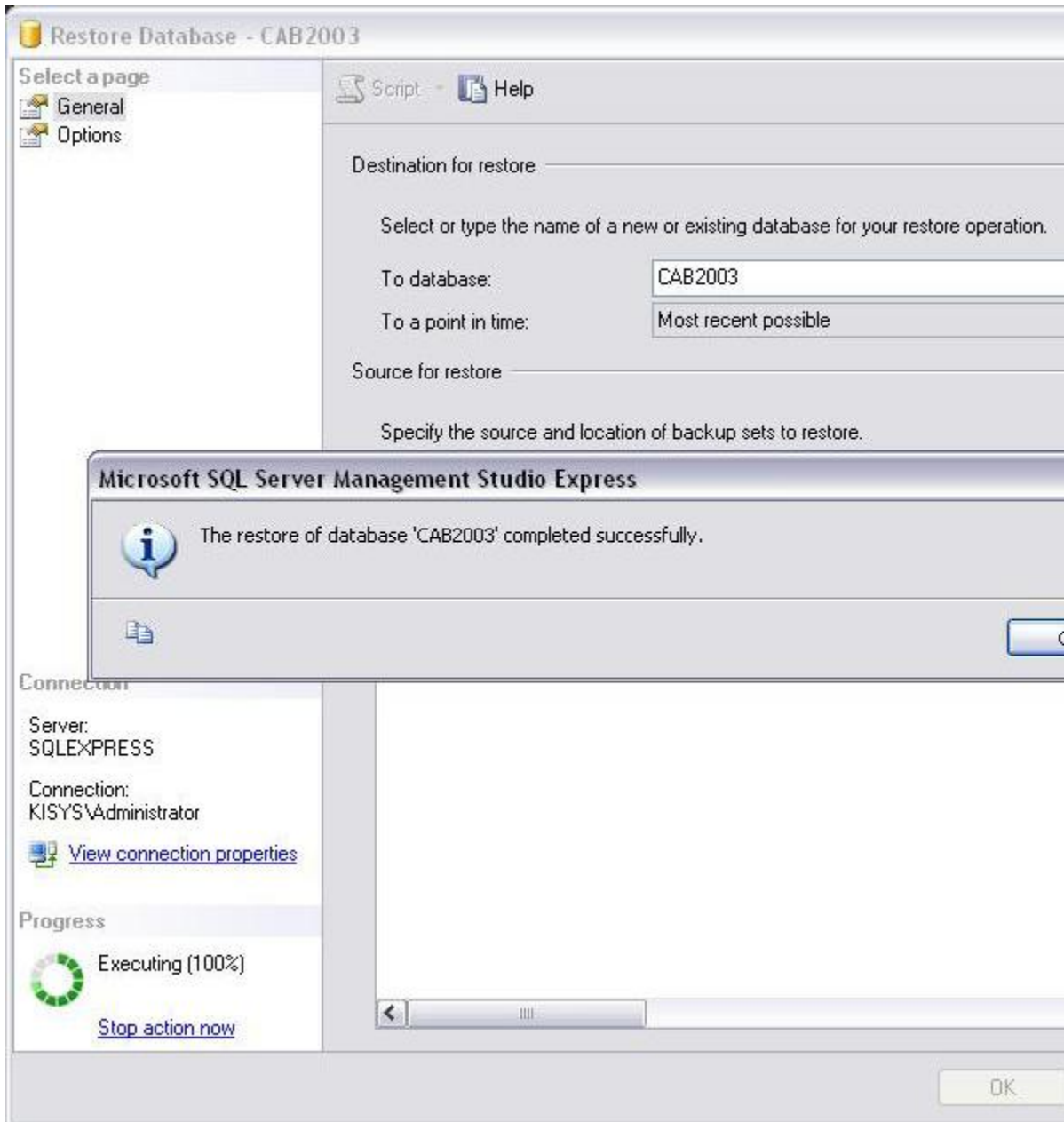


- ✓ In the upper left of the main window, click **Options** under Select a page



- ✓ Verify the correct file names & locations for the database data & log files. This is an important step when the database being restored comes from another server whose data & file locations, as well as the database name is different.

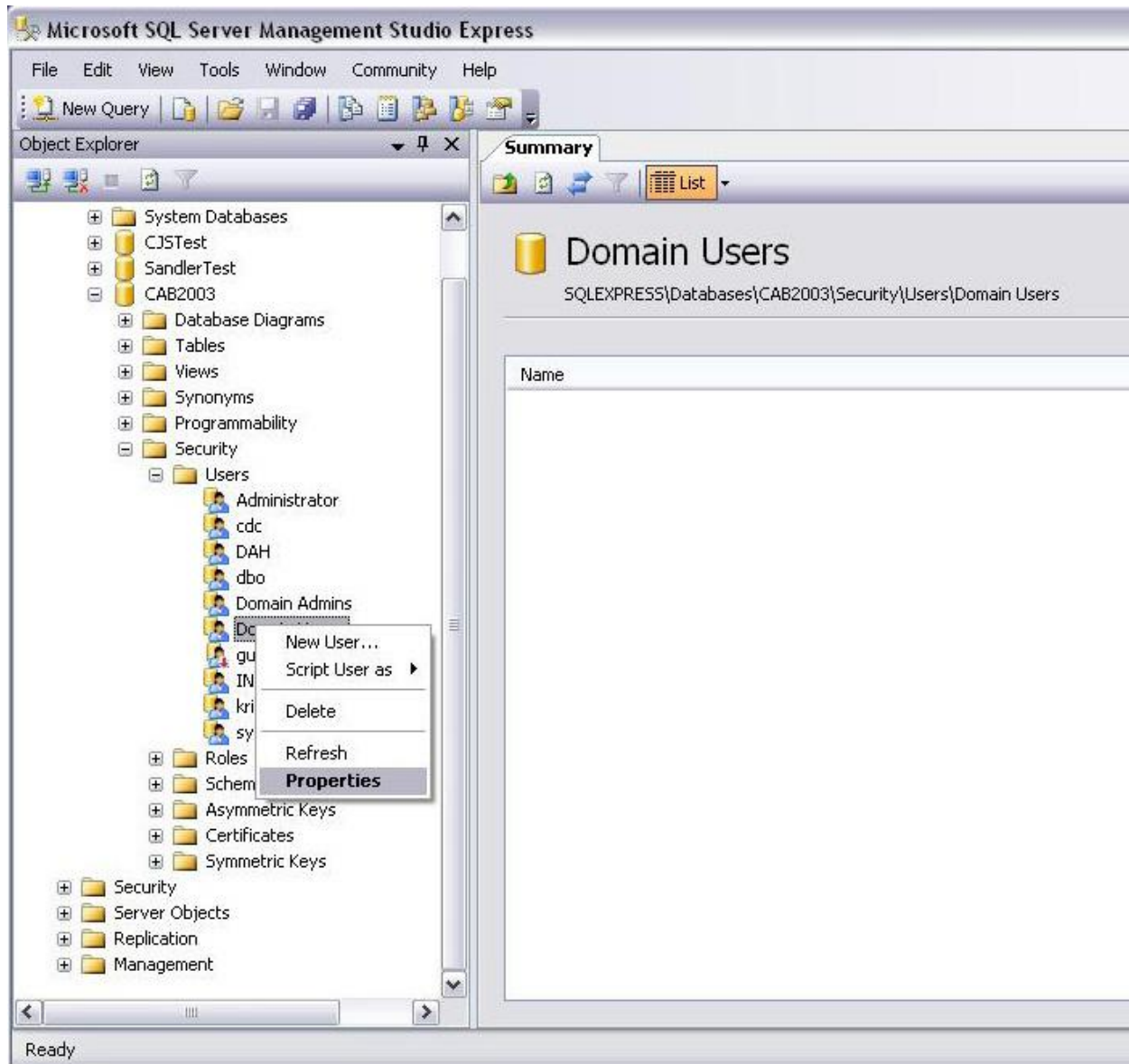
- ✓ Click OK when ready to complete the restore process



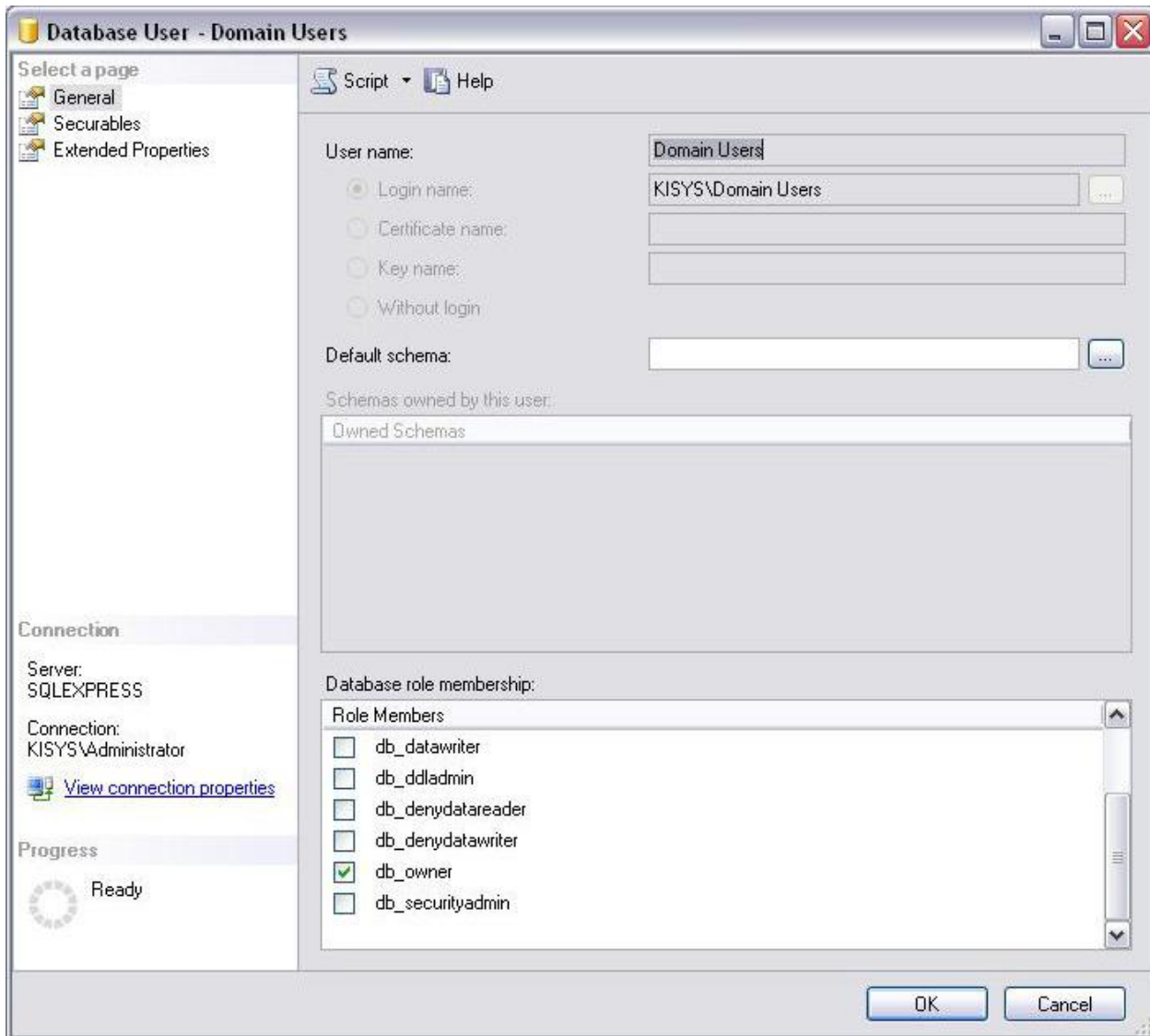
- ✓ The database is now restored successfully

The final steps are to set the required permissions on the database and must not be skipped. These permissions are applied to the Domain Users group.

- ✓ Expand the tree under the restored database > CAB2003 > Security > Users
- ✓ Right-click **Domain Users**
- ✓ Select **Properties**



- ✓ Locate **db\_owner** in **Database role membership**
- ✓ Place a check in the check-box if not already present



- ✓ Click OK

The database is now ready to use.

## How to schedule a recurring backup

SQL Express 2005 provides the ability to manually execute a backup, however it does not include the SQL Agent commonly used for maintenance, jobs and tasks (including backups) on full versions of SQL Server. Without SQL Agent, you may still automate a backup of your database(s) by using the following method:

- ✓ From the zip file you received from KI Systems, locate the folder entitled KI\_Server\_Setup
- ✓ On your SQL Server machine, create the following folder: c:\KI
- ✓ Copy the BackupCAB2007.sql file to the c:\KI folder
- ✓ Double-Click the BackupCAB2007.sql file and open it in SQL Express Management Studio.
- ✓ Replace the two instances of <FULL PATH> with your desired path for the database backup file.

For example Replace: <FULL PATH>\CAB2007.bak

With: c:\program files\microsoft sql server\mssql\backup\CAB2007.bak

Save and Close the file.

- ✓ From Start, Programs, Accessories, System Tools, select Scheduled Tasks
- ✓ Click Add Scheduled Task
- ✓ The Wizard begins, Click Next
- ✓ Click the Browse button, navigate to and select: C:\Program Files\Microsoft SQL Server\90\Tools\bin\SQLCMD.exe, and click Open
- ✓ Name the Task: CAB2007 Backup
- ✓ Select to Perform this task on a Daily basis and click Next
- ✓ Enter the time and day you want this task to Start, select to Perform this task: Every Date, and set the Start date ad today. Click Next.
- ✓ Enter the user name and password which will run the task. Note: this can either be your Domain\Administrator or the SQL sa. You must enter and confirm the password for the selected login. Click Next.
- ✓ On the final screen of the Scheduled Task Wizard, check the box "Open advanced properties for this task when I click Finish." Then click the Finish button.
- ✓ On the Task Tab of the CAB2007 Backup dialog, edit the Run command to be as follows:

```
"C:\Program Files\Microsoft SQL Server\90\Tools\Binn\SQLCMD.EXE" -S .\SQL Express -i  
"C:\KI\BackupCAB2007.sql"
```

Please note the use of quotes around file paths. Also note the -S and -i parameters are case sensitive. The .\SQL Express is the local machine reference to the Server Name\SQL Express instance. If you have not installed SQL Express as an instance, replace ".\SQL Express" with the Server Name.

-----Text of BackupCAB2007.sql – Provided for Reference-----

--Open the script and modify as follows:

--modify script replace <FULL PATH> with the desired backup location

--e.g. c:\program files\microsoft sql server\mssql\backup\cab2007.bak

```
BACKUP DATABASE [CAB2007] TO DISK = N'<FULL PATH>\CAB2007.bak' WITH NOFORMAT, INIT,  
NAME = N'CAB2007-Full Database Backup', SKIP, NOREWIND, NOUNLOAD, STATS = 10,  
CHECKSUM, CONTINUE_AFTER_ERROR
```

GO

```
declare @backupSetId as int
```

```
select @backupSetId = position from msdb..backupset where database_name=N'CAB2007' and  
backup_set_id=(select max(backup_set_id) from msdb..backupset where database_name=N'CAB2007' )
```

```
if @backupSetId is null begin raiserror(N'Verify failed. Backup information for database "CAB2007" not  
found.', 16, 1) end
```

```
RESTORE VERIFYONLY FROM DISK = N'<FULL PATH>\CAB2007.bak' WITH FILE = @backupSetId,  
NOUNLOAD, NOREWIND
```

GO



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## Contact Information

Thank you for choosing KI Systems. If you have questions or need assistance with your software, please feel free to contact us:

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