

SQLDMO: howto obtain logical file names from a BAK file

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what, how, when does a logical file name is determine for a database?
If I am restoring a db from Enterprise Manager, under the Options tab, after I configured the device to restore from (a file), I can see the logical filenames of both, the mdf and the ldf files.

Now, I am automating all this process into code, and the SQL-DMO object that restores a db from a file, requires to know the logical file names for both the mdf and ldf files, specially if I am restoring from a BAK file that was created in another server, under a specific folder. For the moment I am hard-coding these values since this program will (hopefully) always run to restore the same database at the clients site. But is it possible the logical file name could change?

The best way would be for the program to 'read' the logical names from the actual BAK file, but I haven't figured that out yet. Any ideas on how to do this?

My code goes:

```
Private oRestore As SQLDMO.Restore2

oRestore.Action = SQLDMORestore_Database
oRestore.database = database
oRestore.Files = filename
oRestore.ReplaceDatabase = True
oRestore.RelocateFiles = "[This_DB_Logical_Filename_dat]" & "," & _
    "[C:\Program Files\Microsoft SQL Server\MSSQL\Data\" &
database & ".mdf]" & "," & _
    "[This_DB_Logical_Filename_log]" & "," & _
    "[C:\Program Files\Microsoft SQL Server\MSSQL\Data\" &
database & ".ldf]"

oRestore.SQLRestore oSQLServer 'restores the db
```

where database, filename are strings passed to this function.

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database is the name for my database, and filename is the name (including the full pathname) of the bak file to restore.

In this case the name of the database is not the same as the logical file name.

I need to specify `oRestore.RelocateFiles` in my code because the BAK file comes from another SQL server, was created in another folder, so the default values will point to the location on that server. When I am restoring in another server, another computer.