**Steps to Rename a SQL Server Database**

Follow the below steps which will not only rename the database, but at the same time will also rename the Logical Name and File Name of the database.

This first set of commands put the database in single user mode and also modifies the logical names.

/\* Set Database as a Single User \*/

ALTER DATABASE CoreDB SET SINGLE\_USER WITH ROLLBACK IMMEDIATE

/\* Change Logical File Name \*/

ALTER DATABASE [CoreDB] MODIFY FILE (NAME=N'CoreDB', NEWNAME=N'ProductsDB')

GO

ALTER DATABASE [CoreDB] MODIFY FILE (NAME=N'CoreDB\_log', NEWNAME=N'ProductsDB\_log')

GO

This is the output from the above code.

http://www.mssqltips.com/tipimages2/1891_image002.png

Now we need to detach the database, so we can rename the physical files.  If the database files are open you will not be able to rename the files.

/\* Detach Current Database \*/

USE [master]

GO

EXEC master.dbo.sp\_detach\_db @dbname = N'CoreDB'

GO

Once the CoreDB database is detached successfully then the next step will be to rename the Physical Files. This can be done either manually or by using the xp\_cmdshell system stored procedure. You can [enable xp\_cmdshell](http://www.mssqltips.com/sqlservertip/1020/enabling-xpcmdshell-in-sql-server-2005/) feature using the sp\_configure system stored procedure.

USE master

GO

sp\_configure 'show advanced options'

GO

/\* 0 = Disabled , 1 = Enabled \*/

sp\_configure 'xp\_cmdshell', 1

GO

RECONFIGURE WITH OVERRIDE

GO

Once xp\_cmdshell is enabled you can use the below script to rename the physical files of the database.

/\* Rename Physical Files \*/

USE [master]

GO

EXEC xp\_cmdshell 'RENAME "D:\MSSQL\DATA\CoreDB.mdf", "ProductsDB.mdf"'

GO

EXEC xp\_cmdshell 'RENAME "D:\MSSQL\DATA\CoreDB\_log.ldf", "ProductsDB\_log.ldf"'

GO

Once the above step has successfully executed then the next step will be to attach the database, this can be done by executing the T-SQL below:

/\* Attach Renamed ProductsDB Database Online \*/

USE [master]

GO

CREATE DATABASE ProductsDB ON

( FILENAME = N'D:\MSSQL\DATA\ProductsDB.mdf' ),

( FILENAME = N' D:\MSSQL\DATA\ProductsDB\_log.ldf' )

FOR ATTACH

GO

Once the above step has successfully executed then the final step will be to allow multi user access for the user database by executing the below T-SQL:

/\* Set Database to Multi User\*/

ALTER DATABASE ProductsDB SET MULTI\_USER

GO

You can verify the Logical and File Names for the ProductsDB database by executing the T-SQL below:

USE master

GO

/\* Identify Database File Names \*/

SELECT

name AS [Logical Name],

physical\_name AS [DB File Path],

type\_desc AS [File Type],

state\_desc AS [State]

FROM sys.master\_files

WHERE database\_id = DB\_ID(N'ProductsDB')

GO

