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**Article:** T-SQL sp to Copy a file from SQL Server

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# [**SQL Server – T-SQL procedure to Copy a File from within SQL Server**](http://heelpbook.altervista.org/2012/sql-server-t-sql-procedure-to-copy-a-file-from-within-sql-server/)

Usually in a backup script we want not just to do the backup but also want to copy the results of the backup to another place (*for safe keeping*). If The *backup* job is a windows shell script , this is simple But if the whole of the job is in **T-SQL** and runs from within the **SQL Server** environment , this rases a problem of how to copy the file across the network.

To That purpose I coded a simple (*but usefull procedure*) called **sp\_CopyFile**. The procedure gets a **source file Name** parameter (including the Path) and a **Destination File Name** parameter (including the Path) and does the copy in **T-SQL**. That way the logical sequence of doing a Backup and then copying the file is made simple.

**The procedure code:**

Use master

go

Create Proc sp\_CopyFile (@sourceFile varchar(100),

@destFile varchar(100))

as

begin

declare @WinCmd varchar(300)

set nocount on

set @WinCmd = 'Copy ' + @sourceFile +

' ' +

@destFile

exec master..xp\_cmdShell @WinCmd

set nocount off

end

go

**Example of How to Use the procedure:**

**-- Backup Master database the local Hard drive and then copy   
-- the backup file to a network   
-- location (double backup)**

BackUp database Master to Disk='c:\BackUp\msSQL\Master.bak'   
exec master..sp\_CopyFile 'c:\BackUp\msSQL\Master.bak',   
'\\NTMAHR11\13411$\XP\I\Master.bak'

**The expected result : (according to database master's size)**  
*Processed 2040 pages for database 'Master', file 'master' on file 2.   
Processed 1 pages for database 'Master', file 'mastlog' on file 2.   
BACKUP DATABASE successfully processed 2041 pages in 1.136 seconds (14.711 MB/sec).   
output*

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output

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1 file(s) copied.