

## 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 raises 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*

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

-----  
1 file(s) copied.