

Forum:[Hack Forums](#)

Thread: [Batch file to move certain files to another folder and creating link to original sour](#)

DOSuser2018 - September 28, 2018, 6:33 am

Hi to all,

I would like to create a .bat file that moves certain files (based on their extension) from a folder (with subfolders) to another disk preserving original tree structure while creating a .lnk in the original location to the moved files.

For example the .bat would behave like this:

File extension: mkv

Source path: d:\movies

Destination path e:\movies

The batch scans folder and subfolders and moves all the .mkv files to the new path, while creating a .lnk in the original source folder for each file that has been moved.

I found some code that I adapted to my purpose:

```
@echo off
```

```
cls
```

```
setlocal enabledelayedexpansion
```

```
set SOURCE_DIR=K:\source
```

```
set DEST_DIR=K:\dest
```

```
set FILENAMES_TO_COPY=*.txt
```

```
for /R "%SOURCE_DIR%" %%F IN (%FILENAMES_TO_COPY%) do (  
    if exist "%%F" (
```

```
        echo source: %%F
```

```
            set FILE_DIR=%%~dpF
```

```
            set FILE_INTERMEDIATE_DIR=!FILE_DIR:%SOURCE_DIR%=!
```

```
            set FILE_NAME_EXT=%%~nxF
```

```
            set FILE_DIR
```

```
            set FILE_INTERMEDIATE_DIR
```

```
            set FILE_NAME_EXT
```

```
            xcopy /S /I /Y /V "%%F" "%DEST_DIR%!FILE_INTERMEDIATE_DIR!"
```

```
            echo destination "%DEST_DIR%!FILE_INTERMEDIATE_DIR%FILE_NAME_EXT!"
```

```
pause
```

)
)

In this first attempt, I just copy the files, and it works.

I want to check the destination (which I'll use as parameter for mklink) but the last echo

echo destination "%DEST_DIR%!FILE_INTERMEDIATE_DIR%FILE_NAME_EXT!"

This one gives me
destination "K:\dest"

I also tried

echo destination "%DEST_DIR%!FILE_INTERMEDIATE_DIR!FILE_NAME_EXT!"

This one gives me
destination "K:\dest\FILE_NAME_EXT"

Not what I would like to have, ie the full destination path\filename.extension
I guess I'm just missing something trivial...

Any ideas would be highly appreciated.

Thank you very much,

Matt

Lib - September 28, 2018, 8:26 am

Does this need to be a Batch Script?

I Can't imagine any reason to use Batch over Powershell.
If it can be made in Powershell, I can help you out. Let me know.

DOSuser2018 - September 28, 2018, 10:00 am

(Sep 28, 2018 08:26 AM)Ps?cho Wrote: [\[CITE\]](#) Does this need to be a Batch Script?

I Can't imagine any reason to use Batch over Powershell.
If it can be made in Powershell, I can help you out. Let me know.
Hi!

I wanted to use batch script only because I knew it a (very) little and I don't know at all Powershell,
but it's really ok for me, as long as I can create something that does what I need to! :)

Thank you!

Lib - September 28, 2018, 11:34 am

Code \$SourcePath = "D:\movies"
\$DestinationPath = "E:\movies"

\$FilesToMove = Get-ChildItem \$SourcePath -Filter "*.MKV"

Foreach (\$FileToMove in \$FilesToMove)

```
{

Move-Item $FileToMove.FullName -Destination $DestinationPath


$TargetFile = "$DestinationPath\" + $FileToMove.Name
$WScriptShell = New-Object -ComObject WScript.Shell
$Shortcut = $WScriptShell.CreateShortcut("$SourcePath\FileToMove.lnk")
$Shortcut.TargetPath = $TargetFile
$Shortcut.Save()

}
```

Please give this a Try.

To run it, Search for Powershell ISE, Open it and at the top left, hit the "New Script" Button. Paste the Code in the Top White part of the Shell and Run the entire script using "F5" or the Green Play button at the top.

Let me know if it works or not.

DOSuser2018 - September 28, 2018, 11:48 am

(Sep 28, 2018 11:34 AM)Ps?cho Wrote: [CITE](#) Code \$SourcePath = "D:\movies"
\$DestinationPath = "E:\movies"

```
$FilesToMove = Get-ChildItem $SourcePath -Filter "*.MKV"

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Please give this a Try.

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Let me know if it works or not.

Thank you very very much!!!!!!!

That's super great!!!!

I edited it a bit, to try it on small folders and with .txt files:

Code:

```

$SourcePath = "K:\source"
$DestinationPath = "k:\source2"

$FilesToMove = Get-ChildItem $SourcePath -Filter "*.txt"

Foreach ($FileToMove in $FilesToMove)
{
    Move-Item $FileToMove.FullName -Destination $DestinationPath

    $TargetFile = "$DestinationPath\" + $FileToMove.Name
    $WScriptShell = New-Object -ComObject WScript.Shell
    $Shortcut = $WScriptShell.CreateShortcut("$SourcePath\$FileToMove.Ink")
    $Shortcut.TargetPath = $TargetFile
    $Shortcut.Save()
}

```

I used Powershell ISE (the prompt says v1.0) on my Windows 10 64bit but I get this error:

Code: : The term 'Code:' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.

At line:1 char:1

+ Code:

+ ~

+ CategoryInfo : ObjectNotFound: (Code::String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

I've seen that Powershell has been updated to v6.1 so I downloaded it and run it.

It created a new folder under Programs files, but I just found pwsh.exe and it's a prompt command. Is there a Powershell ISE v6.1 somewhere?

Thank you again for your help, you've opened up a new world to me!

Matt

Lib - September 28, 2018, 11:56 am

Looks like you've got it to run perfectly, the "Code:" Portion was added by formatting on Hack forums, Just remove that and the script should run fine.

DOSuser2018 - September 28, 2018, 11:51 pm

(Sep 28, 2018 11:56 AM)Ps?cho Wrote: [\[CITE\]](#) Looks like you've got it to run perfectly, the "Code:" Portion was added by formatting on Hack forums, Just remove that and the script should run fine. Hi!

I removed "Code:", typed set-executionpolicy unrestricted and the script run, but not as expected. I run it on a temp folder with some text files.

The script didn't copy the source structure (it just created the destination folder with just on txt file) and strangely it also corrupted the fist "info.txt" file in the source folder (it was a 0-byte empty file):

L À F< ... ?g¾WÔ ... ?g¾WÔ ... ?g¾WÔ Y ß PàOÐ ê:i ¢Ø +00? /K:\
V 1 =MM4 source2 @ ĩ¾=M94=MM4. øZ Õ!P source2 Z 2 Y
=M@4 info.txt B ĩ¾=M@4=M@4. [{V'info.txt F 1 E
ÇÈ^ì DATA K:\source2\info.txt ..\source2\info.txt` X desktop-kp2oqgm ¢E -
h°ËA!p²ÚÊ... ö!Ôä-~Ãè´FØËŠ| &¢E -
h°ËA!p²ÚÊ... ö!Ôä-~Ãè´FØËŠ| &E 9 1SPS± mD-?pH§H@.¤=x¢E h H ¿!3Ü

This is the content of the only copied file:

L À F%o ß PàOÐ ê:i ¢Ø +00? /K:\ V 1
source2 @ ĩ¾ . source2 Z 2 info.txt B ĩ¾ .
info.txt ..\source2\info.txt

I would like to attach a zip file with the source folder, but I don't know how to attach it.

Thanks again, really!

Matt

Lib - September 29, 2018, 6:19 am

(Sep 28, 2018 11:51 PM)DOSuser2018 Wrote: [\[CITE\]](#) Hi!

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I would like to attach a zip file with the source folder, but I don't know how to attach it.

Thanks again, really!

Matt

Could you please send me a few Screenshots of what you mean.

Currently, The script will look in The folder called 'Movies' for Files only, There's no Recursiveness,
If there are sub Folders inside 'Movies' you'd like to keep, Let me know.

Ideally, Please PM me a screenshot of your file structure if this is the case.

I'm not quite sure what you mean with attaching a Zip file? The script is exclusively looking for any
file that ends in .mkv.

DOSuser2018 - September 29, 2018, 9:47 am

(Sep 29, 2018 06:19 AM)Ps?cho Wrote: [\[CITE\]](#) Could you please send me a few Screenshots of
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file that ends in .mkv.

Hi, and thank you again for your time, I really appreciate that!!!!

The script I need must use recursiveness for all the subfolders and just move certain files, for now and for the sake of testing, .txt files.

Other files than .txt files must not be touched.

By attaching a zip file (just 2 kb actually) I mean I would like to send you the source folder I'm testing your script on, so that you can have my same results.

I can't send a PM because first I need 25 quality posts to send a PM.

When I post a message, like this reply to you, I don't see the option to send the forum some files, am I missing something?

I would like to send the zip file and some screen shots.

Thanks again,
Matt

Lib - September 29, 2018, 1:01 pm

(Sep 29, 2018 09:47 AM)DOSuser2018 Wrote: [\[CITE\]](#) Hi, and thank you again for your time, I really appreciate that!!!!

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Thanks again,
Matt

It's all good man, I'm enjoying it ;)

Just send me a PM with an uploaded screenshot using imgur or something.

Recursiveness is super easy in powershell, just finding it hard to Visualize what your File system is like :)

DOSuser2018 - September 30, 2018, 1:42 am

(Sep 29, 2018 01:01 PM)Ps?cho Wrote: [\[CITE\]](#) It's all good man, I'm enjoying it ;)

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Recursiveness is super easy in powershell, just finding it hard to Visualize what your File system is like :)

Hi!

I uploaded these images here

<https://imgur.com/a/MWrk3Ps>

It's just a simple folder with subfolders, randomly created just for testing.

The folder has some .txt files and a .doc file.

I just want to move the .txt files to another folder on another disk, creating just the folders which actually contain .txt files, creating a link in the original source folder to the new moved file.

If the original folder has a subfolder that doesn't contain any .txt files, a subfolder with this name doesn't have to be copied to the destination folder.

This is the folder structure I'm using for testing:

```
K:\source
  info1.txt

  source-a (subfolder)
    info.txt
    source-a1.txt

    source-b (subfolder)
      dontmove.doc  <----- note this
      info.txt
      source-a1.txt
```

After the script has run, I need to have:

```
e:\destination
  info1.txt

  source-a (subfolder)
    info.txt
    source-a1.txt

  source-b (subfolder)
    info.txt
    source-a1.txt
```

```
K:\source
  info1.LINK TO FILE IN E:\DESTINATION

  source-a (subfolder)
    info.LINK TO FILE IN E:\DESTINATION
    source-a1.LINK TO FILE IN E:\DESTINATION

  source-b (subfolder)
    dontmove.doc
    info.LINK TO FILE IN E:\DESTINATION
    source-a1.LINK TO FILE IN E:\DESTINATION
```

I hope it's clearer now. :)

Thank you!

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    info.LINK TO FILE IN E:\DESTINATION
    source-a1.LINK TO FILE IN E:\DESTINATION
```

I hope it's clearer now. :)

Thank you!

Lib - October 4, 2018, 6:27 am

I promise, I haven't forgotten about this.

Just been working late, I'm going to try to figure this out.
It's exciting! This is harder than I thought :)

DOSuser2018 - October 4, 2018, 12:00 pm

(Oct 4, 2018 06:27 AM)Ps?cho Wrote: [\[CITE\]](#) I promise, I haven't forgotten about this.

Just been working late, I'm going to try to figure this out.
It's exciting! This is harder than I thought :)
I think so as well! :)

Hi,
just got your PM.

I read the script it's not finished, so I'm going to wait!
Thank you for now!!!

iTHX - November 28, 2018, 12:00 pm

(Oct 4, 2018 06:27 AM)Ps?cho Wrote: [\[CITE\]](#) I promise, I haven't forgotten about this.

Just been working late, I'm going to try to figure this out.
It's exciting! This is harder than I thought :)
have you got the source? id like to check out ps as ive always been loyal to batch