

Re: Find files are SYN or Not in Two Folders

Source:

<http://www.tech-archive.net/Archive/Scripting/microsoft.public.scripting.vbscript/2009-03/msg00630.html>

- *From:* "Paul Randall" <paulr90@xxxxxxx>
 - *Date:* Mon, 30 Mar 2009 19:33:39 -0700
-

"ashoksganesh" <ashoksganesh@xxxxxxxx> wrote in message
news:be7fd49f-8588-47d1-997c-7fb26c75df12@xx
On Mar 17, 7:23 pm, "Paul Randall" <paul...@xxxxxxx> wrote:

"ashoksganesh" <ashoksgan...@xxxxxxxx> wrote in message
news:329799c3-5728-4bc3-93b1-c0d8e61cb942@xx

Here wat am trying to acheive.

- 1) I have a Folder A and Folder B.
"
- 2)i want to check the files are sync in Folder A and Folder B,using time frame

Now what am trying to do is

- 1)check the file in FolderA and grab the files from 9Am to 12 Pm go to Folder B and find the file is exist or not.
- 2)This script should run every three hours to find the syn or non sync between FolderA and Folder B files.

definitely there should be some easy way to do this,but i checked different forum,i didn't get a right way to pursuit this,please help

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me to
solve this issue.

Thanks in Advance

Here is the one i wrote just for count

```
*****  
Dim oFS, SourceFolder, DestFolder, Source, Dest, demofolder, foldername  
set oFS =CreateObject("Scripting.FileSystemObject")  
set SourceFolder = oFS.GetFolder("c:\sourcefolder")  
Set DestFolder=oFS.GetFolder("c:\destfolder")  
foldername=demofolder.Name  
Source= SourceFolder.Files.Count  
Dest= DestFolder.Files.Count  
If Source=Dest Then  
WScript.Echo "SYNC"  
Else  
WScript.Echo "NON SYNC"  
End if
```

```
*****
```

Not sure how to insert time frame in this script, please lead me.

Thanks

It is relatively easy to script checking that all files that exist in sourcefolder also exist in destfolder, and maybe you would also have to verify that all files in dest folder also exist in source folder. This does not mean that the files are identical, only that they exist.

Perhaps you need some way to verify the files are actually the same. Microsoft has a tool to help with this task. <http://www.microsoft.com/downloads/details.aspx?FamilyID=B3C93558-31B...> FCIV is a command line tool which can produce SHA1 or MD5 checksums for all

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the files in a folder and its subfolders. Alternately, it can produce an XML-formatted text file with checksum info. Later, FCIV can then use this XML file as input when the tool is used to verify that everything listed in the XML file exists identically in the original or some other folder. The script could be set up to read STDOUT while the command line is executed, and report any problems.

If you are interested in this, post a reply here and I will clean up and post a sample script.

–Paul Randall– Hide quoted text –

– Show quoted text –

Hey Paul,

Sorry for the late reply, already I started using FCIV (the code created by EHVBS) in the script, but what I am trying to achieve here is

Use the date range or today's date file to compare and ignore the previous day's files.

Here is the script :

```
Dim oFS : Set oFS = CreateObject
("Scripting.FileSystemObject")
Dim aDirs : aDirs = Array( ".\sourcefolder", ".\destfolder" )
Dim dicGrps : Set dicGrps = CreateObject( "Scripting.Dictionary" )
Dim fncClas : Set fncClas = GetRef( "getIdentityOfFile" )
Dim sDir
For Each sDir In aDirs
' WScript.Echo "processing", sDir
Dim oFiles : Set oFiles = oFS.GetFolder( sDir ).Files
Dim oFile
For Each oFile In oFiles
' WScript.Echo " processing", oFS.GetBasename( oFile.Name ),
oFile.Path
Dim sProp : sProp = fncClas( oFile )
If Not dicGrps.Exists( sProp ) Then
dicGrps.Add sProp, CreateObject( "Scripting.Dictionary" )
' WScript.Echo " adding property/group", sProp, "to
dictionary"
End If
dicGrps( sProp )( oFile.Path ) = 0
'WScript.Echo " adding file ", oFile.Path, "to dictionary
for property", sProp
Next
Next
```

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```
Dim bSync : bSync = True
Dim sKey, aKeys
For Each sKey In dicGrps.Keys
If 1 = dicGrps( sKey ).Count Then
aKeys = dicGrps( sKey ).Keys
WScript.Echo " Group", sKey, aKeys( 0 )
bSync = False
End If
Next
If Not bSync Then
WScript.Echo Join( aDirs, ", " ) & " Files are not in sync"
Else
WScript.Echo Join( aDirs, ", " ) & "All Files are SYNC"
End If
Function getIdentityOfFile( oFile )
Dim oShell : Set oShell = WScript.CreateObject( "WScript.Shell" )
Dim sCmd : sCmd = "fciv -add "" & oFile.Path & "" -md5"
' WScript.Echo sCmd
Dim sDigest : sDigest = oShell.Exec( sCmd ).Stdout.ReadAll
WScript.Echo sDigest
Dim aParts
aParts = Split( sDigest, vbCrLf )
sDigest = Left( aParts( UBound( aParts ) - 1 ), 32 )
WScript.Echo sDigest
getIdentityOfFile = sDigest
End Function
```

As I understand it, you now need a way to tell whether a file was created within a specific span of time (9Am to 12 Pm) today. That is easy. Try the following script:

```
Option Explicit
Dim oFS: Set oFS = CreateObject("scripting.filesystemobject")
Dim DateCreated, fDateCreated
fOverWriteA "dummy.txt", "a"
Dim oFile: Set oFile = oFS.GetFile("dummy.txt")
DateCreated = oFile.DateCreated
MsgBox "DateCreated = " & DateCreated & vbCrLf & _
"Floating Point version = " & CDbI(DateCreated)

Sub fOverWriteA(sFileName, sAnsiText)
CreateObject("Scripting.FileSystemObject")._
CreateTextFile(sFileName, True, False)._
Write(sAnsiText)
End Sub
```

A file's Time/Date can be represented as a floating point number, where the fraction part is the fraction of a 24-hour day, and the whole number part is the number of days since VBScript time zero. The Now function gives you the

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time/date right now. If this script may be started shortly before midnight, you may want to get today's day number when the script starts. Getting it repeatedly as the script runs may confuse things if the script continues past midnight.

Your logic for comparing the files of interest seems overly complex with its nested dictionaries, but it seems to work for very simple folders. Also, I don't understand the need for a reference to the function rather than accessing the function directly :

```
Dim fncClas : Set fncClas = GetRef( "getIdentityOfFile" )
```

–Paul Randall

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