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Visual Basic Script Tricks 3

Visual Basic Script Tricks

Durchscannen eines ganzen Verzeichnisbaums, entpacken aller dort enthaltenen Zip- Archive und löschen von allem, was nicht die Endung MDX hat:

[MDX_FireStorm.vbs](#)

```
' MDX_fireStorm.vbs
'
Wscript.Echo "CAUTION: HANDLE WITH EXTREME CARE !! - IT CAN WIPE OUT
YOUR WHOLE HARDDISK WITH A FINGER SNAP !!!!!!"

' MDX_fireStorm crawls though the whole directory given as command line
' unpacks all zip files it finds,
' delete all files, which don't have a mdx file extension
' also delete all empty dirs
' so leaves only the folder skeleton with its remaining mdx files
inside

Set fso = CreateObject("Scripting.FileSystemObject")
set objShell = CreateObject("Shell.Application")

'kept in here for reference only
' Set objFile = fso.GetFile("C:\Scripts\Test.txt")
' Wscript.Echo "Absolute path: " & fso.GetAbsolutePathName(objFile)
' Wscript.Echo "Parent folder: " & fso.GetParentFolderName(objFile)
' Wscript.Echo "File name: " & fso.GetFileName(objFile)
' Wscript.Echo "Base name: " & fso.GetBaseName(objFile)
'Wscript.Echo "Extension name: " & fso.GetExtensionName(objFile)

'----- subfolders -----
Dim initialDir
on error resume next
If Not fso.FolderExists(WScript.Arguments.Item(0)) Then
    Wscript.Echo "Usage: cscript MDX_fireStorm.vbs
<your_cleanup_directory>"
    WScript.Quit
end if
initialDir = fso.GetFolder(WScript.Arguments.Item(0))
doAnotherLoop=True
LoopCount=1
while (doAnotherLoop)
    doAnotherLoop=False
    Wscript.Echo "Do Directory Loop Nr. ", LoopCount
    LoopCount=LoopCount + 1
```

```

    TraverseFolders fso.GetFolder(initialDir)
Wend

Function TraverseFolders(flldr)
    dirname=fso.GetAbsolutePathName(flldr)
    Wscript.Echo("Enter dir " & dirname)
    For Each sf In flldr.Files
        ext=UCase(fso.GetExtensionName(sf))
        if ext="ZIP" then
            Wscript.Echo "Zip found, unpack & delete it",
fso.GetAbsolutePathName(sf)
            Unzip2Dir(sf) 'unpack it
            If sf.attributes and 1 Then
                sf.attributes = sf.attributes - 1 ' remove the read
only flag...
            end if
            sf.Delete 'and delete it..
            doAnotherLoop=True 'and mark that the structure has changed
        elseif ext="MDX" then
            If sf.attributes and 1 Then
                sf.attributes = sf.attributes - 1 ' remove the read
only flag...
            end if
            RemoveDocTypeTag(fso.GetAbsolutePathName(sf)) ' removes the
ugly !Doctype Tag
            Set oXMLFile = CreateObject("Msxml2.DOMDocument")
            oXMLFile.Load(fso.GetAbsolutePathName(sf))
            Set oXMLFileVariale =
oXMLFile.getElementsByTagName("ADMINISTRATION/SHORTNAME")
            shortName = oXMLFileVariale.Item(0).Text
            Set oXMLFileVariale =
oXMLFile.getElementsByTagName("SSDS_INFORMATION/SSDS_PART_NUMBER")
            specName = oXMLFileVariale.Item(0).Text
            newName=shortName&"_"&specName&".mdx"
            'do while fso.FileExists(newName) and newName <>sf.Name
            '    specName=specName&"_"
            '    newName=shortName&"_"&specName&".mdx"
            'Loop
            if newName <>sf.Name then
                if fso.FileExists(fso.GetParentFolderName(sf) &"\"&
newName) then
                    Wscript.Echo( "Delete: " & sf.Name)
                    fso.DeleteFile (fso.GetParentFolderName(sf) &"\"&
newName)
                end if
                Wscript.Echo( "newname: " &
fso.GetParentFolderName(sf) &"\"& newName)
                Wscript.Echo(sf.Name & " -> " & newName)
                sf.Name=newName
            else

```

```

        Wscript.Echo("MDX: " & fso.GetAbsolutePathName(sf))
    end if
    Wscript.Echo("MDX continue")
else
    Wscript.Echo "Irrelevant file, delete..",
fso.GetAbsolutePathName(sf)
    If sf.attributes and 1 Then
        sf.attributes = sf.attributes - 1 ' remove the read
only flag...
    end if
    sf.Delete
    doAnotherLoop=True 'and mark that the structure has changed
end if
Next

If fldr.Files.Count = 0 And fldr.SubFolders.Count = 0 Then
    Wscript.Echo "Dir empty, delete..",
fso.GetAbsolutePathName(fldr)
    If fldr.attributes and 1 Then
        fldr.attributes = fldr.attributes - 1 ' remove the read
only flag...
    end if
    fldr.Delete
    doAnotherLoop=True 'and mark that the structure has changed
else
    For Each sd In fldr.SubFolders
        TraverseFolders sd '<- recurse here
    Next
end if
Wscript.Echo("leaving dir " & dirname)

```

End Function

Public Sub Unzip2Dir(sf)

```

    'The location of the zip file.
    ZipFile=fso.GetAbsolutePathName(sf)
    'The folder the contents should be extracted to.
    ExtractTo=fso.GetParentFolderName(sf)+"\"+fso.GetBaseName(sf)

    'If the extraction location does not exist create it.
    If NOT fso.FolderExists(ExtractTo) Then
        Wscript.Echo "Create folder", ExtractTo
        fso.CreateFolder(ExtractTo)
    End If

    'Extract the contents of the zip file.
    set FilesInZip=objShell.Namespace(ZipFile).items
    objShell.Namespace(ExtractTo).CopyHere(FilesInZip)

```

```
end sub
```

```
Function RemoveDocTypeTag(XMLFileName)
Wscript.Echo "Read MDX file", XMLFileName
Set objFileToRead =
CreateObject("Scripting.FileSystemObject").OpenTextFile(XMLFileName,1)
strFileText = objFileToRead.ReadAll()
objFileToRead.Close
Set objFileToRead = Nothing
Wscript.Echo "Read MDX file done input length:", Len(strFileText)

Dim objRegExp
Set objRegExp = New Regexp

objRegExp.IgnoreCase = True
objRegExp.Global = True
objRegExp.Pattern = "<!DOCTYPE(.|\n)+?>"

'Replace all HTML tag matches with the empty string
strFileText = objRegExp.Replace(strFileText, "")
Wscript.Echo " MDX regex done input length:", Len(strFileText)

Set objFileToWrite =
CreateObject("Scripting.FileSystemObject").OpenTextFile(XMLFileName,2,t
 rue)
objFileToWrite.Write(strFileText)
objFileToWrite.Close
Set objFileToWrite = Nothing
Wscript.Echo " MDX file save done input length:", Len(strFileText)
End Function
```

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