

Re: Loop with out Do

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.scripting/2004-04/0382.html>

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Date: 04/20/04

Date: Mon, 19 Apr 2004 20:49:38 -0500

Hi,

I believe your first program is fine, except you don't account for blank lines. Your text file probably has a carriage return at the end, and the blank line raises the error. I modified it as below and it worked for me:

```
Dim objFile, objFSO, objLog
Const ForWriting = 2, ForReading = 1

Set objFSO = CreateObject("Scripting.FileSystemObject")
Set objFile = objFSO.OpenTextFile("c:\scripts\computerlist1.txt", _
    ForReading,False)
Set objLog =
objFSO.OpenTextFile("c:\scripts\KB837001Log.txt",ForWriting,True)
objLog.WriteLine "Audit started: " & Date & " " & Time
objLog.WriteBlankLines(1)

Do While objFile.AtEndofStream = False
    installed = False
    strComputer = objFile.ReadLine

    strHotFix = "KB837001"
    If strComputer <> "" Then
        Set objWMIService = GetObject("winmgmts:\\\" & _
            strComputer & "\root\cimv2")
        Set colItems = objWMIService.ExecQuery_
            ("Select * from Win32_QuickFixEngineering",,48)
        For Each objItem in colItems
            If objItem.HotFixID = strHotFix then
                installed = true
            end if
        Next

        If installed = true then
            Wscript.Echo "HotFix " & strHotFix _
                & " is installed on " & strComputer
            objLog.WriteLine "HotFix " & strHotFix _
```

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```
& " is installed on " & strComputer
Else
'Wscript.Echo "HotFix " & strHotFix _
& " needs to be Installed on " & strComputer
objLog.WriteLine "HotFix " & strHotFix & " needs to" _
& " be installed on " & strComputer
end if
objLog.WriteBlankLines(1)
WScript.Sleep 5000

End If
Loop
objLog.WriteLine vbNewLine & "Audit finished: " & Date & " " & Time _
& vbNewLine & vbNewLine
objFile.Close
objLog.Close

MsgBox "Script is done running"
```

The second program has "If" statements without corresponding "End If" and a "For Each" without a "Next". Also, strComputer will never be False, but rather blank. I use the Trim function when I read lines from a file so that my code is not fooled by spaces, then I test if the line that was read was "". When I fixed the problems in the second script, it was clear that the first one was better. If you want to trap the error if a computer in the text file is not found (perhaps it is down), then I would suggest:

```
Dim objFile, objFSO, objLog
Const ForWriting = 2, ForReading = 1

Set objFSO = CreateObject("Scripting.FileSystemObject")
Set objFile = objFSO.OpenTextFile("c:\scripts\computerlist1.txt", _
ForReading,False)
Set objLog =
objFSO.OpenTextFile("c:\scripts\KB837001Log.txt",ForWriting,True)
objLog.WriteLine "Audit started: " & Date & " " & Time
objLog.WriteBlankLines(1)

Do While objFile.AtEndofStream = False
installed = False
strComputer = objFile.ReadLine

strHotFix = "KB837001"
If strComputer <> "" Then
On Error Resume Next
Set objWMIService = GetObject("winmgmts:\\\" & _
strComputer & "\root\cimv2")
If Err.Number = 0 Then
On Error GoTo 0
Set collItems = objWMIService.ExecQuery_
("Select * from Win32_QuickFixEngineering",,48)
```

```
For Each objItem in collItems
  If objItem.HotFixID = strHotFix then
    installed = true
  end if
Next

If installed = true then
  'Wscript.Echo "HotFix " & strHotFix _
  & " is installed on " & strComputer
  objLog.WriteLine "HotFix " & strHotFix _
  & " is installed on " & strComputer
Else
  'Wscript.Echo "HotFix " & strHotFix _
  & " needs to be Installed on " & strComputer
  objLog.WriteLine "HotFix " & strHotFix & " needs to" _
  & " be installed on " & strComputer
end if
Else
  On Error GoTo 0
  objLog.WriteLine "Computer " & strComputer & " not found"
End If
objLog.WriteLine(1)

End If
Loop
objLog.WriteLine vbNewLine & "Audit finished: " & Date & " " & Time _
  & vbNewLine & vbNewLine
objFile.Close
objLog.Close

MsgBox "Script is done running"
```

Notice that I use "On Error Resume Next" only where I anticipate an error, then I restore normal error handling as soon as possible with "On Error GoTo 0". Also, I try to line up "If" statements with the corresponding "End If", and "For Each" loops with the corresponding "Next" so I can make sure they match. Finally, the Sleep is not needed. I hope this helps.

```
--
Richard
Microsoft MVP Scripting and ADSI
HilltopLab web site - http://www.rlmuellet.net
--
"ToxicAdmin" <spmcatcher69@hotmail.com> wrote in message
news:d525a912.0404191337.3581809f@posting.google.com...
> Hi been working on this script for a while to get it running and with
> some adjustments I can get it to work. When I put more decision making
> structures in the script I get a "loop with out do error". I am also
> trying to avoid using an "on error resume next statment as this is
> just a bandaid. The first script I have provided will run but gives
> and error at the end of my computer list, as the do loop keeps on
> running. In addition to this, the first script provides no error
> handling for computers in the list it can not find. The second script
> has more error handling but gives me the Loop with out Do error. In
```

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```
> addition to this in script 2 I got away from using a "Do while or loop
> until" structure to fix the error at the end of the computerlist text
> file. Any help would be greatly appreciated . Thank You in advance.
>
> on error resume next
> Dim objFile, objFSO, objLog
> Const ForWriting = 2, ForReading = 1
>
> Set objFSO = CreateObject("Scripting.FileSystemObject")
> Set objFile = objFSO.OpenTextFile("c:\scripts\computerlist1.txt", _
> ForReading,False)
> Set objLog =
objFSO.OpenTextFile("C:\scripts\KB837001Log.txt",ForWriting,True)
> objLog.WriteLine "Audit started: " & Date & " " & Time
> objLog.WriteLine(1)
>
> Do While objFile.AtEndofStream = False
> installed = False
> strComputer = objFile.ReadLine
>
> strHotFix = "KB837001"
> Set objWMIService = GetObject("winmgmts:\\\" & _
> strComputer & "\root\cimv2")
> Set colItems = objWMIService.ExecQuery("Select * from
> Win32_QuickFixEngineering",,48)
> For Each objItem in colItems
>   If objItem.HotFixID = strHotFix then
>     installed = true
>   end if
> Next
>
> If installed = true then
> 'Wscript.Echo "HotFix " & strHotFix & " is installed on " &
> strComputer
>   objLog.WriteLine "HotFix " & strHotFix & " is installed on " &
> strComputer
> Else
> 'Wscript.Echo "HotFix " & strHotFix & " needs to be Installed on " &
> strComputer
>   objLog.WriteLine "HotFix " & strHotFix & " needs to" _
> & " be installed on " & strComputer
> end if
> objLog.WriteLine(1)
> WScript.Sleep 5000
> Loop
> objLog.WriteLine vbNewLine & "Audit finished: " & Date & " " & Time _
> & vbNewLine & vbNewLine
> objFile.Close
> objLog.Close
>
> MsgBox "Script is done running"
>
>
> Number 2
>
>
> Dim objFile, objFSO, objLog
> Const ForWriting = 2, ForReading = 1
>
> Set objFSO = CreateObject("Scripting.FileSystemObject")
> Set objFile = objFSO.OpenTextFile("c:\scripts\computerlist1.txt", _
> ForReading,False)
```

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```
> Set objLog =
objFSO.OpenTextFile("C:\scripts\KB837001Log.txt",ForWriting,True)
> objLog.WriteLine "Audit started: " & Date & " " & Time
> objLog.WriteBlankLines(1)
>
>
> Do
> installed = False
> strComputer = objFile.ReadLine
> If strComputer = false then
>   objLog.Writeline strComputer & " Does not exist "
>   Else
>   strHotFix = "KB837001"
>   Set objWMIService = GetObject("winmgmts:\\\" & _
>   strComputer & "\root\cimv2")
>   Set colItems = objWMIService.ExecQuery("Select * from
>   Win32_QuickFixEngineering",,48)
>   For Each objItem in colItems
>     If objItem.HotFixID = strHotFix then
>     installed = true
>     If installed = true then
>     'Wscript.Echo "HotFix " & strHotFix & " is installed on " &
>     strComputer
>     objLog.WriteLine "HotFix " & strHotFix & " is installed on " &
>     strComputer
>     Else
>     'Wscript.Echo "HotFix " & strHotFix & " needs to be Installed on "
>     & strComputer
>     objLog.WriteLine "HotFix " & strHotFix & " needs to" _
>     & " be installed on " & strComputer
>     end if
>   objLog.WriteBlankLines(1)
>   WScript.Sleep 5000
>   If objFile.AtEndofStream = False then
>   Exit do
>   Else
>   Loop
>
> objLog.WriteLine vbNewLine & "Audit finished: " & Date & " " & Time _
>   & vbNewLine & vbNewLine
> objFile.Close
> objLog.Close
>
> MsgBox "Script is done running"
```