

shutDownFMS.vbs

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1  ' Author: Wim Decorte
2  ' Version: 2.0
3  ' Description: Uses the FileMaker Server 10 command line to disconnect
4  '               all users And close all hosted files
5  '
6  ' This is a basic example. This script is not meant as a finished product,
7  ' its only purpose is as a learning & demo tool.
8  '
9  ' This script does not have full Error handling.
10 ' For instance, it will break if there are spaces in the FM file names.
11 ' The script also does not handle infinite loops in disconnecting clients
12 ' or closing files.
13 '
14 ' This script is provided as is, without any implied warranty or support.
15
16 Const WshFinished = 1
17 q = Chr(34) ' the " character, needed to wrap around paths with spaces
18
19
20 '-----
21 ' Change these variables to match your setup
22
23 theAdminUser = ""
24 theAdminPW = ""
25 pathToSAtool = "C:\Program Files\FileMaker\FileMaker Server\Database Server\fmsadmin.e
26 xe"
27 '-----
28
29
30 SAT = "cmd /c " & & pathToSAtool & & " " ' watch the trailing space
31
32 callFMS = SAT
33 If Len(theAdminUser) > 0 Then
34     callFMS = callFMS & " -u " & theAdminUser
35 End If
36 If Len(theAdminPW) > 0 Then
37     callFMS = callFMS & " -p " & theAdminPW
38 End If
39
40 listClients = callFMS & " list clients"
41 disconnectClients = callFMS & " disconnect client -y"
42 listfiles = callFMS & " list files -s"
43 closeFiles = callFMS & " close file "
44 stopServer = callFMS & " stop server -y -t 15"
45
46 ' hook into the Windows shell
47 Set sh = WScript.CreateObject("wscript.shell")
48
49 ' get a list of all clients and force kick them off
50 clientIDs = getCurrentClients()
51 clientCount = UBound(clientIDs)
52
53 ' loop through the clients and kick them off
54 If clientCount > 0 Then
55     fullCommand = disconnectClients
56     Set oExec = sh.Exec(fullCommand)
57     ' give FMS some time and then requery the list of clients
58     Do Until oExec.Status = WshFinished
59         WScript.Sleep 50
60     Loop
61     Do Until clientCount = 0
62         WScript.Sleep 1000

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63         Debug.WriteLine "Waiting for clients to disconnect..."
64         clientIDs = getCurrentClients()
65         clientCount = UBound(clientIDs)
66     Loop
67 End If
68
69 ' get list of files and close them
70 fileIDs = getCurrentFiles()
71 fileCount = UBound(fileIDs)
72
73 ' loop through the files and close them
74 If fileCount > 0 Then
75     Do Until fileCount = 0
76         fullCommand = closeFiles & fileID(0) & " -y"
77         Set oExec = sh.Exec(fullCommand)
78         ' give FMS some time and then requery the list of files
79         Do Until oExec.Status = WshFinished
80             WScript.Sleep 50
81         Loop
82         fileIDs = getCurrentFiles()
83         fileCount = UBound(fileIDs)
84     Loop
85 End If
86
87
88 ' all clients and files stopped
89 ' shut down the database sever (does not stop the FMS service!)
90 fullCommand = stopServer
91 Set oExec = sh.Exec(fullCommand)
92 Do Until oExec.Status = WshFinished
93     WScript.Sleep 50
94 Loop
95
96 ' done, exit the script
97 Set sh = Nothing
98 WScript.Quit
99 ' -----
100
101 Function getCurrentClients()
102
103     tempCount = 0
104     Dim tempArray()
105     Set oExec = sh.Exec(listClients)
106
107     ' in case there are no clients...
108     If oexec.Stdout.AtEndOfStream Then Redim temparray(0)
109
110     ' read the output of the command
111     Do While Not oExec.Stdout.AtEndOfStream
112         strText = oExec.Stdout.ReadLine()
113         strText = Replace(strtext, vbTab, "")
114         Do Until InStr(strtext, " ") = 0
115             strText = Replace (strtext, " ", " ")
116         Loop
117         If InStr(strText, "Client ID User Name Computer Name Ext Privilege") > 0 OR _
118             InStr(strText, "ommiORB") > 0 OR _
119             InStr(strText, "IP Address Is invalid Or inaccessible") > 0 Then
120             ' do nothing
121             Redim temparray(0)
122         Else
123             tempClient = Split(strtext, " ")
124             tempCount = tempCount + 1
125             Redim Preserve tempArray(tempCount)
126             tempArray(tempCount-1) = tempClient(0)
127         End If
128     Loop
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129
130     getCurrentClients = tempArray
131
132 End Function
133
134 Function getCurrentFiles()
135
136     tempCount = 0
137     Dim tempArray()
138     Set oExec = sh.Exec(listfiles)
139
140     ' in case there are no files...
141     If oexec.StdOut.AtEndOfStream Then Redim temparray(0)
142
143     ' read the output of the command
144     Do While Not oExec.StdOut.AtEndOfStream
145         strText = oExec.StdOut.ReadLine()
146         strText = Replace(strtext, vbTab, " ")
147         Do Until InStr(strtext, " ") = 0
148             strText = Replace (strtext, " ", " ")
149         Loop
150         If InStr(strText, "ID File Clients Size Status Enabled Extended Privileges")
151 > 0 OR _
152         InStr(strText, "ommiORB") > 0 OR _
153         InStr(strText, "IP Address Is invalid Or inaccessible") > 0 OR _
154         Left(strtext, 2) = "ID" Then
155             ' do nothing
156             Redim temparray(0)
157         Else
158             tempFile = Split(strtext, " ")
159             status = LCase(tempFile(4))
160             If status = "normal" Then
161                 tempCount = tempCount + 1
162                 Redim Preserve tempArray(tempCount)
163                 tempArray(tempCount - 1) = tempFile(1) & ".fp7"
164             End If
165         End If
166     Loop
167     getCurrentFiles = tempArray
168
169 End Function
170
171
172
173

```