



 **microsoft / Windows-classic-samples**


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 Notifications


 Fork 3.2k


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 Code


 Issues 125


 Pull requests 30

 Actions

 Security

 Insights

Windows-classic-samples / Samples / Win7Samples / winbase / vss / vsssampleprovider / register_app.vbs 



356 lines (274 loc) · 10.3 KB

CodeBlame

Raw

```
1  '*****
2  'Microsoft Confidential. © 2002-2003 Microsoft Corporation. All rights reserved.
3  '
4  ' This file may contain preliminary information or inaccuracies,
5  ' and may not correctly represent any associated Microsoft
6  ' Product as commercially released. All Materials are provided entirely
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8  ' WARRANTY OF ANY KIND, DISCLAIMS ALL EXPRESS, IMPLIED AND STATUTORY
9  ' WARRANTIES, AND ASSUMES NO LIABILITY TO YOU FOR ANY DAMAGES OF
10 ' ANY TYPE IN CONNECTION WITH THESE MATERIALS OR ANY INTELLECTUAL PROPERTY IN THEM.
11 '*****
12
13 Option Explicit
14
15 Wscript.Echo ""
16 Wscript.Echo "REGISTER_APP.VBS version 1.6 for Windows Server 2008"
17 Wscript.Echo "Copyright (C) Microsoft Corporation 2002-2003. All rights reserved."
18 Wscript.Echo ""
19
20
21 '*****
22 ' Parse command line arguments
23 '*****
24 Dim Args
```

```
25     Set Args = Wscript.Arguments
26     If Args.Count < 1 Then
27         PrintsUsage
28     End If
29
30     Dim ProviderName, ProviderDLL, ProviderDescription
31     If Args.Item(0) = "-register" Then
32         If Args.Count <> 4 Then PrintsUsage
33
34         ProviderName = Args.Item(1)
35         ProviderDLL = Args.Item(2)
36         ProviderDescription = Args.Item(3)
37
38         UninstallProvider
39         InstallProvider
40         Wscript.Quit 0
41     End If
42
43     If Args.Item(0) = "-unregister" Then
44         If Not Args.Count = 2 Then PrintsUsage
45         ProviderName = Args.Item(1)
46         UninstallProvider
47         Wscript.Quit 0
48     End If
49
50     ' Wrong options?
51     PrintsUsage
52
53     Wscript.Quit 0
54
55     ' *****
56     ' Prints the usage
57     ' *****
58     Sub PrintsUsage
59
60         Wscript.Echo "Usage:"
61         Wscript.Echo ""
62         Wscript.Echo " 1) Registering a VSS/VDS Provider as a COM+ application:"
63         Wscript.Echo "      CScript.exe " & Wscript.ScriptName & " -register <Provider_Name> <Provider_DLL> <Provider_Description>"
64         Wscript.Echo ""
65         Wscript.Echo " 2) Unregistering a COM+ application associated with a VSS/VDS provider:"
66         Wscript.Echo "      CScript.exe " & Wscript.ScriptName & " -unregister <Provider_Name>"
67         Wscript.Echo ""
68         Wscript.Quit 1
69
70     End Sub
```

```
71
72
73 '*****
74 ' Installs the Provider
75 '*****
76 Sub InstallProvider
77     On Error Resume Next
78
79     Wscript.Echo "Creating a new COM+ application:"
80
81     Wscript.Echo "- Creating the catalog object "
82     Dim cat
83     Set cat = CreateObject("COMAdmin.COMAdminCatalog")
84     CheckError 101
85
86     wscript.echo "- Get the Applications collection"
87     Dim collApps
88     Set collApps = cat.GetCollection("Applications")
89     CheckCollectionError 102, cat
90
91     Wscript.Echo "- Populate..."
92     collApps.Populate
93     CheckCollectionError 103, collApps
94
95     Wscript.Echo "- Add new application object"
96     Dim app
97     Set app = collApps.Add
98     CheckCollectionError 104, collApps
99
100    Wscript.Echo "- Set app name = " & ProviderName & " "
101    app.Value("Name") = ProviderName
102    CheckObjectError 105, collApps, app
103
104    Wscript.Echo "- Set app description = " & ProviderDescription & " "
105    app.Value("Description") = ProviderDescription
106    CheckObjectError 106, collApps, app
107
108    ' Only roles added below are allowed to call in.
109    Wscript.Echo "- Set app access check = true "
110    app.Value("ApplicationAccessChecksEnabled") = 1
111    CheckObjectError 107, collApps, app
112
113    ' Encrypting communication
114    Wscript.Echo "- Set encrypted COM communication = true "
115    app.Value("Authentication") = 6
116    CheckObjectError 108, collApps, app
```

```
116         CheckObjectIDFor (obj, objName, app  
117  
118         ' Secure references
```



```
282     End Sub
283
284
285
286     ' *****
287     ' Sub CheckError
288     ' *****
289     Sub CheckError(exitCode)
290         If Err = 0 Then Exit Sub
291         DumpVBScriptError exitCode
292
293         Wscript.Quit exitCode
294     End Sub
295
296
297     ' *****
298     ' Sub CheckCollectionError
299     ' *****
```

```
300 Sub CheckCollectionError(exitCode, coll)
301     If Err = 0 Then Exit Sub
302     DumpVBScriptError exitCode
303
304     DumpComPlusError(coll.GetCollection("ErrorInfo"))
305
306     Wscript.Quit exitCode
307 End Sub
308
309
310 ' *****
311 ' Sub CheckObjectError
312 ' *****
313 Sub CheckObjectError(exitCode, coll, object)
314     If Err = 0 Then Exit Sub
315     DumpVBScriptError exitCode
316
317     ' DumpComPlusError(coll.GetCollection("ErrorInfo", object.Key))
318     DumpComPlusError(coll.GetCollection("ErrorInfo"))
319
320     Wscript.Quit exitCode
321 End Sub
322
323
324
325 ' *****
326 ' Sub DumpVBScriptError
327 ' *****
328 Sub DumpVBScriptError(exitCode)
329     WScript.Echo vbNewLine & "ERROR:"
330     WScript.Echo "- Error code: " & Err & " [0x" & Hex(Err) & "]"
331     WScript.Echo "- Exit code: " & exitCode
332     WScript.Echo "- Description: " & Err.Description
333     WScript.Echo "- Source: " & Err.Source
334     WScript.Echo "- Help file: " & Err.Helpfile
335     WScript.Echo "- Help context: " & Err.HelpContext
336 End Sub
337
338
339 ' *****
340 ' Sub DumpComPlusError
341 ' *****
342 Sub DumpComPlusError(errors)
343     errors.Populate
344     WScript.Echo "- COM+ Errors detected: (" & errors.Count & ")"
345
```



```
346         Dim error
347         Dim I
348         For I = 0 to errors.Count - 1
349             Set error = errors.Item(I)
350             WScript.Echo "      * (COM+ ERROR " & I & ") on " & error.Value("Name")
351             WScript.Echo "          ErrorCode: " & error.Value("ErrorCode") & " [0x" & Hex(error.Value("Er
352             WScript.Echo "          MajorRef: " & error.Value("MajorRef")
353             WScript.Echo "          MinorRef: " & error.Value("MinorRef")
354         Next
355     End Sub
```