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1  ' -----
2  '     From the book Inside Active Directory, ISBN 0-201-61621-1
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8  ' warranty, obligations or liability for the script. If you modify
9  ' the script, you must retain this copyright notice.
10 ' -----
11 Option Explicit
12
13 'AccessMask
14 Const FILE_READ_DATA          = &H1    'file & pipe
15 Const FILE_LIST_DIRECTORY    = &H1    'folder
16 Const FILE_WRITE_DATA        = &H2    'file & pipe
17 Const FILE_ADD_FILE          = &H2    'folder
18 Const FILE_APPEND_DATA       = &H4    'file
19 Const FILE_ADD_SUBDIRECTORY  = &H4    'folder
20 Const FILE_CREATE_PIPE_INSTANCE = &H4 'named pipe
21 Const FILE_READ_EA           = &H8    'file & folder
22 Const FILE_WRITE_EA          = &H10   'file & folder
23 Const FILE_EXECUTE           = &H20   'file
24 Const FILE_TRAVERSE          = &H20   'folder
25 Const FILE_DELETE_CHILD      = &H40   'folder
26 Const FILE_READ_ATTRIBUTES   = &H80   'all
27 Const FILE_WRITE_ATTRIBUTES  = &H100  'all
28 Const DELETE                 = &H10000
29 Const READ_CONTROL            = &H20000
30 Const WRITE_DAC               = &H40000
31 Const WRITE_OWNER             = &H80000
32 Const SYNCHRONIZE             = &H100000
33 Const ACCESS_SYSTEM_SECURITY = &H1000000
34 Const GENERIC_ALL             = &H10000000
35 Const GENERIC_EXECUTE         = &H20000000
36 Const GENERIC_WRITE           = &H40000000
37 Const GENERIC_READ            = &H80000000
38
39 Const FULL_CONTROL = &H1F01FF '14 permissions
40 Const MODIFY       = &H1301BF '11 permissions
41
42 'ACE flags
43 Const OBJECT_INHERIT_ACE      = &H1
44 Const CONTAINER_INHERIT_ACE  = &H2
45 Const NO_PROPAGATE_INHERIT_ACE = &H4
46 Const INHERIT_ONLY_ACE       = &H8
47 Const INHERITED_ACE          = &H10
48 Const SUCCESSFUL_ACCESS_ACE_FLAG = &H40
49 Const FAILED_ACCESS_ACE_FLAG = &H80
50
51 'ACE types
52 Const ACCESS_ALLOWED_ACE_TYPE = &H0
53 Const ACCESS_DENIED_ACE_TYPE = &H1
54 Const SYSTEM_AUDIT_ACE_TYPE  = &H2
55 Const SYSTEM_ALARM_ACE_TYPE  = &H3
56 Const ACCESS_ALLOWED_COMPOUND_ACE_TYPE = &H4
57 Const ACCESS_ALLOWED_OBJECT_ACE_TYPE = &H5
58 Const ACCESS_DENIED_OBJECT_ACE_TYPE = &H6
59 Const SYSTEM_AUDIT_OBJECT_ACE_TYPE = &H7
60 Const SYSTEM_ALARM_OBJECT_ACE_TYPE = &H8
61
62 'Flags
63 Const ADS_OBJECT_TYPE_PRESENT = &H1
64 Const ADS_INHERITED_OBJECT_TYPE_PRESENT = &H2
65
66 Dim objFS, objSecDesc, objDACL, objACE, objADsSec
67
68 'Create the Folder
69 '-----
70 Set objFS = CreateObject("Scripting.FileSystemObject")
71 Call objFS.CreateFolder("D:\ACEDemo")
72
73 'Create the ACE - modify permission for a the subtree
74 '-----
75 Set objACE = CreateObject("AccessControlEntry")
76 objACE.Trustee = "Red.Baron@sanao.com"

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77 objACE.AccessMask = MODIFY
78 objACE.AceFlags = OBJECT_INHERIT_ACE + _
79                 CONTAINER_INHERIT_ACE
80 objACE.AceType = ACCESS_ALLOWED_ACE_TYPE
81
82 'Add the ACE
83 '-----
84 Set objADsSec = CreateObject("ADsSecurity")
85
86 Set objSecDesc = objADsSec.GetSecurityDescriptor("FILE://D:\ACEDemo")
87 Set objDAcl = objSecDesc.DiscretionaryAcl
88
89 Call objDAcl.AddAce(objACE)
90 objSecDesc.DiscretionaryAcl = objDAcl
91 Call objADsSec.SetSecurityDescriptor(objSecDesc)
92
```