

NetFileEnum Result

Source: <http://www.tech-archive.net/Archive/VB/microsoft.public.vb.winapi/2007-01/msg00073.html>

- *From:* knikkix@xxxxxxxxxx
 - *Date:* 16 Jan 2007 13:33:16 -0800
-

Hi All,

I am trying to find out all the Open Files on our Server. I am using NetFileEnum API to do that.

This is the code, I am using to get all the files. it is returning something that is all numbers.

For example: Path should like something like "c:\SBC\ytdret.xml" but it is returning 45678954. I don't know how to see the real path. If somebody help me then I will appreciate them. I tried changing fi3_pathname to string but then I see blank string in PathName.

```
Imports System
Imports System.Runtime.InteropServices
```

```
Public Class Form1
```

```
Inherits System.Windows.Forms.Form
```

```
Declare Function NetFileEnum Lib "netapi32.dll" ( _
    ByVal servername As String, _
    ByVal basepath As String, _
    ByVal username As String, _
    ByVal level As Integer, _
    ByRef bufptr As IntPtr, _
    ByVal prefmaxlen As Integer, _
    ByRef entriesread As Integer, _
    ByRef totalentries As Integer, _
    ByVal resume_handle As IntPtr) As Integer
```

```
Private Structure FILE_INFO_3
    Dim fi3_id As Long
    Dim fi3_permissions As Long
    Dim fi3_num_locks As Long
    Dim fi3_pathname As Long
    Dim fi3_username As Long
End Structure
```

NetFileEnum Result

#Region " Windows Form Designer generated code "

```
Public Sub New()  
MyBase.New()
```

```
'This call is required by the Windows Form Designer.  
InitializeComponent()
```

```
'Add any initialization after the InitializeComponent() call
```

```
End Sub
```

```
'Form overrides dispose to clean up the component list.  
Protected Overloads Overrides Sub Dispose(ByVal disposing As  
Boolean)  
If disposing Then  
If Not (components Is Nothing) Then  
components.Dispose()  
End If  
End If  
MyBase.Dispose(disposing)  
End Sub
```

```
'Required by the Windows Form Designer  
Private components As System.ComponentModel.IContainer
```

```
'NOTE: The following procedure is required by the Windows Form  
Designer
```

```
'It can be modified using the Windows Form Designer.
```

```
'Do not modify it using the code editor.
```

```
Friend WithEvents Button1 As System.Windows.Forms.Button  
<System.Diagnostics.DebuggerStepThrough()> Private Sub  
InitializeComponent()  
Me.Button1 = New System.Windows.Forms.Button  
Me.SuspendLayout()  
,
```

```
'Button1  
,
```

```
Me.Button1.Location = New System.Drawing.Point(40, 16)  
Me.Button1.Name = "Button1"  
Me.Button1.Size = New System.Drawing.Size(128, 32)  
Me.Button1.TabIndex = 0  
Me.Button1.Text = "Button1"  
,
```

```
'Form1  
,
```

```
Me.AutoScaleBaseSize = New System.Drawing.Size(5, 13)  
Me.ClientSize = New System.Drawing.Size(292, 266)  
Me.Controls.Add(Me.Button1)  
Me.Name = "Form1"  
Me.Text = "Form1"
```

NetFileEnum Result

NetFileEnum Result

Me.ResumeLayout(False)

End Sub

#End Region

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

Const MAX_PREFERRED_LENGTH As Integer = -1

Dim dwIndex, dwStatus, dwReadEntries, dwTotalEntries As Integer

Dim pCurrent As FILE_INFO_3

Dim iPtr, pBuffer As IntPtr

dwStatus = NetFileEnum(Nothing, Nothing, Nothing, 3, pBuffer, MAX_PREFERRED_LENGTH, dwReadEntries, dwTotalEntries, Nothing)

If dwStatus = 0 Then

For dwIndex = 0 To dwReadEntries - 1

iPtr = New IntPtr(pBuffer.ToInt32 + (dwIndex * Len(pCurrent)))

pCurrent = CType(Marshal.PtrToStructure(iPtr, GetType(FILE_INFO_3)), FILE_INFO_3)

MsgBox(pCurrent.fi3_id)

Debug.WriteLine("dwIndex=" & dwIndex)

Debug.WriteLine(" id: " & pCurrent.fi3_id)

Debug.WriteLine(" num_locks: " & pCurrent.fi3_num_locks)

Debug.WriteLine(" pathname: " & pCurrent.fi3_pathname)

Debug.WriteLine(" permission: " & pCurrent.fi3_permissions)

Debug.WriteLine(" username: " & pCurrent.fi3_username)

Next

End If

End Sub

End Class

Thanks

Nikki

.