

Re: logonuser api returns 127

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vb/2004-03/2579.html>

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On 2004-03-11, Brent Burkart <Brent.Burkart@wvmb.com> wrote:

```
> I have an impersonation procedure which was working before, but not any
> more. It is returning a 127. Any help is appreciated.
>
> Here is the code.
>
> First the call to the routine
> If Impersonate.impersonateValidUser("xxx", "xxx", "xxx") Then
>
> undoImpersonation()
>
> Else
>
> End If
>
> The routine
>
> Declare Auto Function LogonUser Lib "advapi32.dll" (ByVal lpszUsername As
> String, ByVal lpszDomain As String, ByVal lpszPassword As String, ByVal
> dwLogonType As Integer, ByVal dwLogonProvider As Integer, ByRef phToken As
> IntPtr) As Integer
>
> Declare Auto Function ImpersonateLoggedOnUser Lib "advapi32.dll" (ByVal
> hToken As IntPtr) As Integer
>
> Declare Auto Function RevertToSelf Lib "advapi32.dll" () As Integer
>
> Declare Auto Function GetLastError Lib "Kernel32.dll" () As Integer
>
> Function impersonateValidUser(ByVal username As String, ByVal Domain As
> String, ByVal password As String) As Boolean
>
> Dim LogonType As Integer
>
> Dim LogonProvider As Integer
>
> Dim Tk As IntPtr
```

```
>  
> LogonType = 2 'Interactive  
>  
> LogonProvider = 0 'Default Provider  
>  
> If LogonUser(username, Domain, password, LogonType, LogonProvider, Tk) <> 0  
> Then  
>  
> If ImpersonateLoggedOnUser(Tk) <> 0 Then  
>  
> impersonateValidUser = True  
>  
> Else  
>  
> impersonateValidUser = False  
>  
> End If  
>  
> Else  
>  
> Dim ret As Integer = GetLastError()  
>  
> MsgBox(ret)  
>  
> End If  
>  
> End Function  
>  
>
```

Brent,

First of all, are you absolutely sure that GetLastError is returning 127? Use of GetLastError is not good practice – and that applies to VB6 as well. The problem is that the runtime may make API calls, before you call GetLastError – so the return value is useless. You should use Marshal.GetLastWin32Error() instead...

Anyway, I haven't bothered to look up the error code... But, you can get the system message associated with it by doing something like:

```
Dim errorCode As Integer = Marshal.GetLastWin32Error()  
Dim ex As New Win32Exception(errorCode);  
MessageBox.Show(_  
    String.Format("Error: {0} – {1}", errorCode, ex.Message)
```

My guess is – especially looking down the thread – that you're running into some kind of security related problem.

--
Tom Shelton [MVP]

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I have often regretted my speech, never my silence.

-- Publilius Syrus