

## Re: Impersonation half way working

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vb/2004-02/5642.html>

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**Date:** 02/24/04

Date: Tue, 24 Feb 2004 01:29:37 -0500

Hi,

<http://www.dotnet247.com/247reference/msgs/28/144136.aspx>

Ken

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"William Oliveri" <[wuji@bigvalley.net](mailto:wuji@bigvalley.net)> wrote in message  
news:ORBoDcl%23DHA.2824@tk2msftngp13.phx.gbl...

> Hello all,

>

> I have a working example of Impersonation where I receive a token and a  
true

> response for a specific user. However, if I try to access a drive that  
has

> only that user's permission to access I get denied. Code below.

>

> I tried this on a XP box and a W2K box with the same results. This

> impersonation is in a Active Directory environment with W2K Server.

>

> Thanks for any help

>

> Bill

> Dim LOGON32\_LOGON\_INTERACTIVE As Integer = 2

> Dim LOGON32\_PROVIDER\_DEFAULT As Integer = 0

> Dim impersonationContext As WindowsImpersonationContext

> 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 DuplicateToken Lib "advapi32.dll" (ByVal

> ExistingTokenHandle As IntPtr, ByVal ImpersonationLevel As Integer, ByRef

> DuplicateTokenHandle As IntPtr) As Integer

>

```
> Private Function impersonateValidUser(ByVal userName As String, _  
> ByVal domain As String, ByVal password As String) As Boolean  
>  
> Dim tempWindowsIdentity As WindowsIdentity  
> Dim token As IntPtr  
> Dim tokenDuplicate As IntPtr  
> If LogonUser(userName, domain, password, LOGON32_LOGON_INTERACTIVE, _  
> LOGON32_PROVIDER_DEFAULT, token) <> 0 Then  
> If DuplicateToken(token, 2, tokenDuplicate) <> 0 Then  
> tempWindowsIdentity = New WindowsIdentity(tokenDuplicate)  
> impersonationContext = tempWindowsIdentity.Impersonate()  
> If impersonationContext Is Nothing Then  
> impersonateValidUser = False  
> Else  
> impersonateValidUser = True  
> End If  
> Else  
> impersonateValidUser = False  
> End If  
> Else  
> impersonateValidUser = False  
> End If  
> End Function  
>  
>
```