

# RE: Impersonate

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*Source:*

<http://www.derkeiler.com/Newsgroups/microsoft.public.dotnet.framework.aspnet.security/2008-02/msg00029.html>

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  - *Date:* Mon, 11 Feb 2008 04:14:50 GMT
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Hi Zino,

From your description, you're encountering Access Denied error when try saving a Excel document in ASP.NET webapplication, correct?

Regarding on the problem you mentioned, I think the account is the first thing we should check, I suggest try the following things first:

- \*\* use filemon tool to verify the Access Denied error and the problem account
- \*\* run the same code with the same account (as in your asp.net application) in a winform or console application to see whether it works.
- \*\* Also, instead of excel file, you can try a normal txt file to see whether the problem is specific to the office automation code.

BTW, I saw that you've enabled "impersonate" in web.config file as below:

```
<authentication mode="Windows"/>  
<identity impersonate="true">
```

then, why did you also use code to programmatically do the impersonation? You should either impersonate through the web.config setting or use code.

Sincerely,

Steven Cheng

Microsoft MSDN Online Support Lead

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From: =?Utf-8?B?emlubw==?= <zino@xxxxxxxxxxxxxxxx>  
Subject: Impersonate  
Date: Fri, 8 Feb 2008 13:41:00 -0800

X-Tomcat-NG: microsoft.public.dotnet.framework.aspnet.security

on Windows Xp and in ASP net 2.0 application,  
I followed the example under the following link:

[http://msdn2.microsoft.com/en-us/library/system.security.principal.windowsidentity.impersonate\(VS.71\).aspx](http://msdn2.microsoft.com/en-us/library/system.security.principal.windowsidentity.impersonate(VS.71).aspx)

to save an Excel file, but I keep getting Access denied error.  
(I have administrator privilege and I impersonate a domain account  
(otherUser) that have administrator permissions too where the Excel file

is

being saved)

note: without impersonation the code works fine under my account.

the web config file is set to :

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```
<authentication mode="Windows"/>
<identity impersonate="true">
```

and "Integrated Windows Authentication" is the only thing checked in IIS

the web page :

```
sub Page_Load()
dim xl As myExcel = New myExcel()
xl.SaveExcel("c:test.xls")
end sub
```

```
class myExcel
function SaveExcel(filePath As String) As Boolean
dim xl As Excel.Application
dim wb As Excel.Workbook
.... . . . ' code omitted
```

```
dim myImpersonate As New cls_impersonate
if myImpersonate.StartImpersonation(otherUser, otherPwd) Then
wb.SaveAs(filePath, FileFormat:=Excel.XlFileFormat.xlExcel7) '
generate Access is denied error
else
' ... . . . .
end if
myImpersonate.UndoImpersonation()
end function
```

```
end class
```

```
class cls_impersonate
Private _impersonatedUser As WindowsImpersonationContext
Private _tokenHandle As New IntPtr(0)
```

```
function StartImpersonation(otherUser as string, otherPwd as string) as
boolean
'.. same as in the MSDN example and impersonation succeed without any
```

error.

```
' but the following:
' WindowsIdentity.GetCurrent().Name --> return --> domain\otherUser
' while
' httpcontext.Current.User.Identity.Name --> return --> domain\myName
' which I don't understand
end function
```

```
sub UndoImpersonation
Me._impersonatedUser.Undo()
If Not System.IntPtr.op_Equality(Me._tokenHandle, IntPtr.Zero)
```

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Then

```
CloseHandle(Me._tokenHandle)
end sub
end class
```

thanks for help

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