

Wednesday, January 25, 2012

### **Exception: That assembly does not allow partially trusted callers**

I have .net 3.5 program where i load some assemblies from a network share via reflection. Now i've got the following exception: "That assembly does not allow partially trusted callers"(Detailed message below).  
The calling assembly(.exe) is local. This .exe loads the assembly from network via reflection. The assembly from the network share then has a reference on a third assembly which is located beneath the .exe. (Hard to explain, image will do better...)

The reason for this failure is the .net security. It doesn't allow the MyLib.dll to be loaded, because the calling assembly is located on a network share and is signed with a strong name.

Solution 1, caspol.exe

Allow all code to be executed.

This might be dangerous, but if you're desperate it could be a solution.

```
"C:\Windows\Microsoft.NET\Framework\v2.0.50727\CasPol.exe" -machine -chgggroup All_Code FullTrust
```

Solution 2, no signing

If you remove the signature from MyLib2.dll, everything works.

Solution 3, set attribute AllowPartiallyTrustedCallers

If you set the AllowPartiallyTrustedCallers in the AssemblyInfo.cs of the signed assembly, everything works.

using System.Security;

```
[assembly: AllowPartiallyTrustedCallers()]
```

Usefull links

caspol doku

howto set fulltrust to a share

Using Libraries from Partially Trusted Code

Allowing Partially Trusted Callers

Full exception(for google):

```
System.Reflection.TargetInvocationException: Exception has been thrown by the target of an invocation. --->  
System.IO.FileNotFoundException: Could not load file or assembly 'PermissionCaspolTestLibSigned, Version=1.0.0.0,  
Culture=neutral, PublicKeyToken=null' or one of its dependencies. The system cannot find the file specified.  
File name: 'PermissionCaspolTestLibSigned, Version=1.0.0.0, Culture=neutral, PublicKeyToken=null'  
at PermissionCaspolTestLib.Class1..ctor()
```

WRN: Assembly binding logging is turned OFF.

To enable assembly bind failure logging, set the registry value [HKLM\Software\Microsoft\Fusion!EnableLog] (DWORD) to 1.

Note: There is some performance penalty associated with assembly bind failure logging.

To turn this feature off, remove the registry value [HKLM\Software\Microsoft\Fusion!EnableLog].

--- End of inner exception stack trace ---

```
at System.RuntimeTypeHandle.CreateInstance(RuntimeType type, Boolean publicOnly, Boolean noCheck, Boolean&
canBeCached, RuntimeMethodHandle& ctor, Boolean& bNeedSecurityCheck)
at System.RuntimeType.CreateInstanceSlow(Boolean publicOnly, Boolean fillCache)
at System.RuntimeType.CreateInstanceImpl(Boolean publicOnly, Boolean skipVisibilityChecks, Boolean fillCache)
at System.Activator.CreateInstance(Type type, Boolean nonPublic)
at PermissionCaspolTest.Program.DoSth()
```

----- Inner Exception -----

```
System.IO.FileNotFoundException: Could not load file or assembly 'PermissionCaspolTestLibSigned, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=null' or one of its dependencies. The system cannot find the file specified.
File name: 'PermissionCaspolTestLibSigned, Version=1.0.0.0, Culture=neutral, PublicKeyToken=null'
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Posted by suntsu in .net at 08:41

Sunday, January 22. 2012

### **MySmug version 1.2 available**

MySmug version 1.2 went again smooth through the submission processs, and now is available at the marketplace.  
New features are:

- Save single pictures to the phone
- Upload pictures from phone to smugmug
- Change the image orientation based on the phone orientation.
- Performance optimization(Album data caching)

Posted by suntsu in MySmug at 10:04

Friday, January 20. 2012

**Uploading large files to IIS7(asp.net or mvc)**

You can upload files with a size of up to 2GB, but it requires some modifications in your web.config.

...

...

Posted by suntsu in .net at 12:03

Wednesday, January 18, 2012

### **What to do if OnOrientationChanged is not fired on windows phone 7 emulator?**

If you debug your windows phone application, and the OnOrientationChanged event is not fired, just press Page Up or Page Down. Those keys are used to activate/deactivate the phone keyboard. If the phone keyboard is active, the following code will be executed. Strange thing...

```
protected override void OnOrientationChanged(OrientationChangedEventArgs e)
{
    base.OnOrientationChanged(e);
}
```

Found(after some time) on the microsoft forum.

Posted by suntsu in .net, MySmug at 18:27

Friday, January 6. 2012

### **Todo for the next version of MySmug**

This is the list of issues/features i have in mind. I'm not sure whether i will solve all of those, or even when. It's just to keep them in mind. Write me a comment if you have anything in mind which should be changed/fixed.

- Save single pictures to the phone
- Save album to the phone
- Upload pictures from phone
- Better panning/zooming
- Change the image orientation based on the phone orientation.
- Bing Map integration based on the GPS data .
- Performance optimization(Album data caching)

Feature list Version 1.1. In submission process  
This was just a little bugfix release. Submission sent 06.01.2012

Bug fix: Album list was loaded more than once after some time.

Feature list Version 1.0. Release date: 06.01.2012

- Authentication via oAuth
- Album browsing
- Pictures browsing
- Picture details

Posted by suntsu in MySmug at 17:38

### **MySmug available on the marketplace**

MySmug went smooth through the submission processs, and now is available at the marketplace.

Posted by suntsu in MySmug at 07:15