

RE: FileIOPermission problem

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.clr/2006-11/msg00058.html>

- *From:* jetan@xxxxxxxxxxxxxxxxxxxxxx ("Jeffrey Tan[MSFT]")
 - *Date:* Tue, 21 Nov 2006 04:08:34 GMT
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Hi Schemer,

Can you provide the full stack trace of this exception? This will reveal much important information of the failure.

Based on the error message, this exception is most likely of type SecurityException, which is thrown by .Net Code Access Security engine. The Net SecurityException is most likely caused by running the application from a partial trusted location, because CLR will give limited permission to partial trusted location running application. So, can you provide more context information of your problem and application? For example, where do you launch the application, local folder or network share?

It is strange that your application throws SecurityException while constructing DirectoryInfo for current folder ".", because I have created a little sample project which calls DirectoryInfo di = new DirectoryInfo("."). Then I placed this test assembly in a network share folder and no SecurityException will generate in the test. So, I recommend you provide more detailed information to help me reproduce the problem. This will be more efficient to reduce the troubleshooting time. Thanks.

Finally, setting FileIOPermission.AllLocalFiles property to FileIOPermissionAccess.Read does not mean that it will give file read I/O permission to all local files. But, it means that you want to check your application's file read I/O permission to all local files. To explicitly test this, you should use FileIOPermission.Demand method to force the .Net runtime security checking. Actually, if this property can be used to grant FileIOPermission to an application, this will become a big security hole, because any untrusted application can use this property to acquire FileIOPermission, which workarounds the .Net CAS engine.

Additionally, there is an easy to understand .Net CAS article in codeproject, it will provide more useful .Net CAS background information to you:

"Understanding .NET Code Access Security"
http://www.codeproject.com/dotnet/UB_CAS_NET.asp

I look forward to your further information. Thanks

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Best regards,
Jeffrey Tan
Microsoft Online Community Support

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