

RE: Catching Security Exceptions:

Source:

<http://www.derkeiler.com/Newsgroups/microsoft.public.dotnet.framework.aspnet.security/2006-11/msg00176.html>

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 - *Date:* Thu, 23 Nov 2006 07:42:37 GMT
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Hello Praveen,

From your description, you're going to use the "AppDomain.AssemblyResolve"

event to capture any potential .NET CAS SecurityException in your ASP.net web application, but found it not work, correct?

As for the "AppDomain.AssemblyResolve" event, it is designed for capturing the failure of loading a certain assembly in a certain .net AppDomain, for example, if the runtime can not find a certain assembly required by the appdomain(or version mismatch...), it will raise this event and call your handler if you have registered. However, it does not care about any .NET CAS specific exception(such as the SecurityException...)

For your scenario, you're encountering some CAS specific SecurityException in your ASP.NET application, I think this is because some assembly you used or your asp.net application's components contains code that demand high CAS permission which is not granted in partial trust environment. Such exception would be thrown when a certain method(contains such code) be executed. Generally, in ASP.NET, you can consider use "Application_Error" event

#How to: Handle Application-Level Errors

<http://msdn2.microsoft.com/en-us/library/24395wz3.aspx>

```
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void Application_Error(object sender, EventArgs e)
{
    Exception ex = HttpContext.Current.Server.GetLastError();

    if (ex is System.Security.SecurityException)
    {
        Server.Transfer("~/errorinfo.aspx");
    }
}
```

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In addition, for ASP.NET CAS issue, it is recommended that we check it at development time before deployment, and if necessary, we can consider customize the partial trust security policy or wrapper those privileged assemblies before deployment. Here are some article describing how to deal with CAS in asp.net 2.0(include partial trust scenario):

#How To: Use Medium Trust in ASP.NET 2.0

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnpag2/html/paght000020.asp>

#How To: Use Code Access Security in ASP.NET 2.0

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnpag2/html/paght000017.asp>

Hope this helps.

Sincerely,

Steven Cheng

Microsoft MSDN Online Support Lead

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