

RE: Intermittent MissingFieldException

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2005-09/msg01769.html>

- *From:* stcheng@xxxxxxxxxxxxxxxxxxxxxx (Steven Cheng[MSFT])
 - *Date:* Fri, 09 Sep 2005 02:48:35 GMT
-

Glad that those suggestions are of assistance.

Also, thank you for choosing Microsoft!

Best Regards,

Steven Cheng
Microsoft Online Support

Get Secure! www.microsoft.com/security
(This posting is provided "AS IS", with no warranties, and confers no rights.)

| Thread-Topic: Intermittent MissingFieldException
| thread-index: AcW0WkmQdZZFEvM4R4qcivym1FY2gg==
| X-WBNR-Posting-Host: 194.200.242.250
| From: "?Utf-8?B?TGVIIENoYXBtYW4=?=" <LeeChapman@xxxxxxxxxxxxxxxxxxxx>
| References: <86BC61AD-33AC-4AF1-99AF-6DE1045E80FB@xxxxxxxxxxxxxxxx>
<ADHJHDCtFHA.3380@xxxxxxxxxxxxxxxxxxxxxxxx>
| Subject: RE: Intermittent MissingFieldException
| Date: Thu, 8 Sep 2005 02:47:12 -0700
| Lines: 312
| Message-ID: <2084F1E7-1B7F-4A6A-87FB-8B9FBFFB0013@xxxxxxxxxxxxxxxx>
| MIME-Version: 1.0
| Content-Type: text/plain;
| charset="Utf-8"
| Content-Transfer-Encoding: 7bit
| X-Newsreader: Microsoft CDO for Windows 2000
| Content-Class: urn:content-classes:message
| Importance: normal
| Priority: normal
| X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.0
| Newsgroups: microsoft.public.dotnet.framework.aspnet
| NNTP-Posting-Host: TK2MSFTNGXA03.phx.gbl 10.40.2.250
| Path: TK2MSFTNGXA02.phx.gbl!TK2MSFTNGXA03.phx.gbl
| Xref: TK2MSFTNGXA02.phx.gbl
microsoft.public.dotnet.framework.aspnet:342574

RE: Intermittent MissingFieldException

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

|
| Thanks Steven. Yes, we ran with the log4net assembly in the GAC in test last

| night and didn't get a reoccurrence of the problem. Thanks especially for the

| KB 813833 link – that's just the sort of evidence we need to push this change

| through to production.

|
| Regards,

| – Lee

|
| "Steven Cheng[MSFT]" wrote:

|> HI Lee,

|>

|> Welcome to ASPNET newsgroup.

|> Regarding on the problem you mentioned, I think the problem is just due to

|> the Log4net 's assembly is a strong-named assembly and be put in the

|> asp.net application's private bin path. Currently the ASP.NET application

|> host doesn't support strong-named assembly in private bin dir, we should

|> always put strong-named ones into GAC. At runtime, asp.net will shadow copy

|> the private assemblies in the private bin dir , however for strong-named

|> ones in it, they may not be shadow copied so that after the

|> appdomain(of

|> the application) restart, we'll encounter loading type/assembly failed

|> for those assemblies. Also, from the fusion log you attached, we can find

|> the the runtime locate the asp.net temporary dir didn't find the copied one

|> and locate the assembly in private bin dir but failed to load it.

|>

|> Please try put all the strong-named assemblies in your app's private bin

|> dir and register them in GAC to see whether this do the work. In addition

|> ,here 're some kb articles discussing on some other existing issue when

|> deploying strong-named assembly in asp.net app's private bin path:

|>

|> <http://support.microsoft.com/?id=813833>

|>

|> <http://support.microsoft.com/?id=813830>

RE: Intermittent MissingFieldException

|>
|> Hope also helps. Thanks,
|>
|>
|> Steven Cheng
|> Microsoft Online Support
|>
|> Get Secure! www.microsoft.com/security
|> (This posting is provided "AS IS", with no warranties, and confers no
|> rights.)
|> -----
|> | Thread-Topic: Intermittent MissingFieldException
|> | thread-index: AcWzwCzOmnwAiKdQTaW8YeD0n1xIAw==
|> | X-WBNR-Posting-Host: 194.200.242.250
|> | From: "=?Utf-8?B?TGVIENoYXBtYW4=?=" <LeeChapman@xxxxxxxxxxxxxxxx>
|> | Subject: Intermittent MissingFieldException
|> | Date: Wed, 7 Sep 2005 08:24:02 -0700
|> | Lines: 350
|> | Message-ID: <86BC61AD-33AC-4AF1-99AF-6DE1045E80FB@xxxxxxxxxxxxxxxx>
|> | MIME-Version: 1.0
|> | Content-Type: text/plain;
|> | charset="Utf-8"
|> | Content-Transfer-Encoding: 7bit
|> | X-Newsreader: Microsoft CDO for Windows 2000
|> | Content-Class: urn:content-classes:message
|> | Importance: normal
|> | Priority: normal
|> | X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.0
|> | Newsgroups: microsoft.public.dotnet.framework.aspnet
|> | NNTP-Posting-Host: TK2MSFTNGXA03.phx.gbl 10.40.2.250
|> | Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGXA03.phx.gbl
|> | Xref: TK2MSFTNGXA01.phx.gbl
|> | microsoft.public.dotnet.framework.aspnet:122909
|> | X-Tomcat-NG: microsoft.public.dotnet.framework.aspnet
|> |
|> |
|> | Hi,
|> |
|> | I have a problem where my ASP.NET application occasionally generates
a
|> | MissingFieldException exception. This unexpectedly happened on my
|> | development
|> | box, and so I was able to extract some information from the debugger:
|> |
|> | The field that is "missing" is called 'logger'. Here's it's
description
|> | taken from ildasm.exe:
|> |
|> | .field public static class [log4net]log4net.ILog logger
|> |
|> | This field is in a class called 'Utility', which is in an assembly

RE: Intermittent MissingFieldException

called

|> | 'Infrastructure'. This Infrastructure's assembly manifest shows that the

|> | log4net assembly is referenced thus:

|> |

|> | .assembly extern log4net

|> | {

|> | .publickeytoken = (07 01 22 69 AF 86 3A C7)

|> | .ver 1:2:9:0

|> | }

|> |

|> | The log4net assembly is a strongly named assembly, but it isn't in the

|> | GAC.

|> | I have a suspicion that the fact that the assembly is strongly named may

|> | be

|> | relevant, because the problem never occurs with our other assemblies.

|> |

|> | System.AppDomain.CurrentDomain.GetAssemblies() showed that there were 40

|> | assemblies loaded. The MissingFieldException exception was being generated

|> | because the Infrastructure assembly wasn't loading properly. When I called

|> | GetTypes() on the Infrastructure assembly, a ReflectionTypeLoadException

|> | exception was thrown saying that "One or more of the types in the assembly

|> | unable to load". Here are the exception's details (taken from the Visual

|> | Studio watch window):

|> |

|> | - System.AppDomain.CurrentDomain.GetAssemblies()[14].GetTypes() {"One or

|> | more of the types in the assembly unable to

|> | load." } System.Reflection.ReflectionTypeLoadException

|> | + System.SystemException {"One or more of the types in the assembly

|> | unable

|> | to load." } System.SystemException

|> | + _classes {Length=72} System.Type[]

|> | - _exceptions {Length=4} System.Exception[]

|> | - [0] {"log4net"} System.IO.FileLoadException

|> | - System.IO.IOException {System.IO.FileLoadException}

|> | System.IO.IOException

|> | - System.SystemException {"Access is denied:

|> | 'log4net'." } System.SystemException

|> | - System.Exception {"Access is denied: 'log4net'." } System.Exception

|> | System.Object {System.IO.FileLoadException} System.Object

|> | _className null string

|> | _COMPlusExceptionCode -532459699 int

RE: Intermittent MissingFieldException

RE: Intermittent MissingFieldException

```
|> | _exceptionMethod <undefined value> System.Reflection.MethodBase
|> | _exceptionMethodString null string
|> | _helpURL null string
|> | _HResult -2147024891 int
|> | _innerException { } System.Exception
|> | _message "Access is denied: 'log4net.'" string
|> | _remoteStackIndex 0 int
|> | _remoteStackTraceString null string
|> | _source null string
|> | _stackTrace <undefined value> System.Object
|> | _stackTraceString null string
|> | _xcode -532459699 int
|> | _xptrs 0 int
|> | HelpLink null string
|> | HResult -2147024891 int
|> | InnerException { } System.Exception
|> | Message "Access is denied: 'log4net.'" string
|> | Source null string
|> | StackTrace null string
|> | TargetSite <undefined value> System.Reflection.MethodBase
|> | _fileName "log4net" string
|> | _fusionLog "=== Pre-bind state information ===\r\nLOG: DisplayName =
|> | log4net, Version=1.2.9.0, Culture=neutral,
|> | PublicKeyToken=07012269af863ac7\r\n
|> | (Fully-specified)\r\nLOG: Appbase =
|> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation\r\nLOG:
|> | Initial PrivatePath = bin\r\nCalling assembly : Infrastructure,
|> | Version=0.0.0.44, Culture=neutral,
PublicKeyToken=null.\r\n===\n\r\nLOG:
|> | Attempting download of new URL
|> | file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
ASP.NET
|> | Files/applysource/f27b5c84/cdeddc66/log4net.DLL.\r\nLOG: Attempting
|> | download
|> | of new URL
file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
|> | ASP.NET
Files/applysource/f27b5c84/cdeddc66/log4net/log4net.DLL.\r\nLOG:
|> | Attempting download of new URL
|> |
|> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation/bin/log4net
|> | .DLL.\r\n" string
|> | FileName "log4net" string
|> | FusionLog "==== Pre-bind state information ==== \r\nLOG: DisplayName =
|> | log4net, Version=1.2.9.0, Culture=neutral,
|> | PublicKeyToken=07012269af863ac7\r\n
|> | (Fully-specified)\r\nLOG: Appbase =
|> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation\r\nLOG:
```

RE: Intermittent MissingFieldException

```
|> | Initial PrivatePath = bin\r\nCalling assembly : Infrastructure,
|> | Version=0.0.0.44, Culture=neutral,
PublicKeyToken=null.\r\n===\r\n\r\nLOG:
|> | Attempting download of new URL
|> | file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
ASP.NET
|> | Files/applysource/f27b5c84/cdeddc66/log4net.DLL.\r\nLOG: Attempting
|> | download
|> | of new URL
file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
|> | ASP.NET
Files/applysource/f27b5c84/cdeddc66/log4net/log4net.DLL.\r\nLOG:
|> | Attempting download of new URL
|> |
|> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation/bin/log4net
|> | .DLL.\r\n" string
|> | Message "Access is denied: 'log4net'." string
|> | - [1] {"log4net"} System.IO.FileLoadException
|> | - System.IO.IOException {System.IO.FileLoadException}
|> | System.IO.IOException
|> | - System.SystemException {"Access is denied:
|> | 'log4net'."} System.SystemException
|> | - System.Exception {"Access is denied: 'log4net'." } System.Exception
|> | System.Object {System.IO.FileLoadException} System.Object
|> | _className null string
|> | _COMPlusExceptionCode -532459699 int
|> | _exceptionMethod <undefined value> System.Reflection.MethodBase
|> | _exceptionMethodString null string
|> | _helpURL null string
|> | _HResult -2147024891 int
|> | _innerException { } System.Exception
|> | _message "Access is denied: 'log4net'." string
|> | _remoteStackIndex 0 int
|> | _remoteStackTraceString null string
|> | _source null string
|> | _stackTrace <undefined value> System.Object
|> | _stackTraceString null string
|> | _xcodes -532459699 int
|> | _xptrs 0 int
|> | HelpLink null string
|> | HResult -2147024891 int
|> | InnerException { } System.Exception
|> | Message "Access is denied: 'log4net'." string
|> | Source null string
|> | StackTrace null string
|> | TargetSite <undefined value> System.Reflection.MethodBase
|> | _fileName "log4net" string
|> | _fusionLog "=== Pre-bind state information ===\r\nLOG: DisplayName =
|> | log4net, Version=1.2.9.0, Culture=neutral,
|> | PublicKeyToken=07012269af863ac7\r\n
```

RE: Intermittent MissingFieldException

```
|> | (Fully-specified)\r\nLOG: Appbase =
|> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation\r\nLOG:
|> | Initial PrivatePath = bin\r\nCalling assembly : Infrastructure,
|> | Version=0.0.0.44, Culture=neutral,
PublicKeyToken=null.\r\n====\n\r\nLOG:
|> | Attempting download of new URL
|> | file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
ASP.NET
|> | Files/applysource/f27b5c84/cdeddc66/log4net.DLL.\r\nLOG: Attempting
|> | download
|> | of new URL
file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
|> | ASP.NET
Files/applysource/f27b5c84/cdeddc66/log4net/log4net.DLL.\r\nLOG:
|> | Attempting download of new URL
|> |
|> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation/bin/log4net
|> | .DLL.\r\n" string
|> | FileName "log4net" string
|> | FusionLog "==== Pre-bind state information ====\r\nLOG: DisplayName =
|> | log4net, Version=1.2.9.0, Culture=neutral,
|> | PublicKeyToken=07012269af863ac7\r\n
|> | (Fully-specified)\r\nLOG: Appbase =
|> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation\r\nLOG:
|> | Initial PrivatePath = bin\r\nCalling assembly : Infrastructure,
|> | Version=0.0.0.44, Culture=neutral,
PublicKeyToken=null.\r\n====\n\r\nLOG:
|> | Attempting download of new URL
|> | file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
ASP.NET
|> | Files/applysource/f27b5c84/cdeddc66/log4net.DLL.\r\nLOG: Attempting
|> | download
|> | of new URL
file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
|> | ASP.NET
Files/applysource/f27b5c84/cdeddc66/log4net/log4net.DLL.\r\nLOG:
|> | Attempting download of new URL
|> |
|> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation/bin/log4net
|> | .DLL.\r\n" string
|> | Message "Access is denied: 'log4net.'" string
|> | - [2] {"log4net"} System.IO.FileLoadException
|> | - System.IO.IOException {System.IO.FileLoadException}
|> | System.IO.IOException
|> | - System.SystemException {"Access is denied:
|> | 'log4net.'" } System.SystemException
|> | - System.Exception {"Access is denied: 'log4net.'" } System.Exception
```

RE: Intermittent MissingFieldException

```
> | System.Object { System.IO.FileLoadException } System.Object
> | _className null string
> | _COMPlusExceptionCode -532459699 int
> | _exceptionMethod <undefined value> System.Reflection.MethodBase
> | _exceptionMethodString null string
> | _helpURL null string
> | _HRESULT -2147024891 int
> | _innerException { } System.Exception
> | _message "Access is denied: 'log4net'." string
> | _remoteStackIndex 0 int
> | _remoteStackTraceString null string
> | _source null string
> | _stackTrace <undefined value> System.Object
> | _stackTraceString null string
> | _xcode -532459699 int
> | _xptrs 0 int
> | HelpLink null string
> | HRESULT -2147024891 int
> | InnerException { } System.Exception
> | Message "Access is denied: 'log4net'." string
> | Source null string
> | StackTrace null string
> | TargetSite <undefined value> System.Reflection.MethodBase
> | _fileName "log4net" string
> | _fusionLog "=== Pre-bind state information ===\r\nLOG: DisplayName =
> | log4net, Version=1.2.9.0, Culture=neutral,
> | PublicKeyToken=07012269af863ac7\r\n
> | (Fully-specified)\r\nLOG: Appbase =
> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation\r\nLOG:
> | Initial PrivatePath = bin\r\nCalling assembly : Infrastructure,
> | Version=0.0.0.44, Culture=neutral,
PublicKeyToken=null.\r\n===\r\n\r\nLOG:
> | Attempting download of new URL
> | file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
ASP.NET
> | Files/applysource/f27b5c84/cdeddc66/log4net.DLL.\r\nLOG: Attempting
> | download
> | of new URL
file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary
> | ASP.NET
Files/applysource/f27b5c84/cdeddc66/log4net/log4net.DLL.\r\nLOG:
> | Attempting download of new URL
> |
> |
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation/bin/log4net
> | .DLL.\r\n" string
> | FileName "log4net" string
> | FusionLog "=== Pre-bind state information ===\r\nLOG: DisplayName =
> | log4net, Version=1.2.9.0, Culture=neutral,
> | PublicKeyToken=07012269af863ac7\r\n
```

RE: Intermittent MissingFieldException

```
|> | (Fully-specified)\r\nLOG: Appbase =  
|> |  
file:///C:/Environments/XXXX/Development/YYYY/Apply/Presentation\r\nLOG:  
|> | Initial PrivatePath = bin\r\nCalling assembly : Infrastructure,  
|> | Version=0.0.0.44, Culture=neutral,  
PublicKeyToken=null.\r\n====\r\n\r\nLOG:  
|> | Attempting download of new URL  
|> | file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary  
ASP.NET  
|> | Files/applysource/f27b5c84/cdeddc66/log4net.DLL.\r\nLOG: Attempting  
|> download  
|> of new URL  
file:///C:/WINDOWS/Microsoft.NET/Framework/v1.1.4322/Temporary  
|> ASP.NET  
Files/applysource/f27b5c84/cdeddc66/log4net/log4net.DLL.\r\nLOG:  
|> Attempting download of new URL  
|  
.  
.
```

• *References:*

- ◆ ***Intermittent MissingFieldException***
 - ◇ *From:* Lee Chapman
 - ◆ ***RE: Intermittent MissingFieldException***
 - ◇ *From:* Steven Cheng[MSFT]
 - ◆ ***RE: Intermittent MissingFieldException***
 - ◇ *From:* Lee Chapman
-
- Prev by Date: [*ASP.net web pagegs*](#)
 - Next by Date: [*Re: how to add a wildcard appliation mapping in IIS programmatically?*](#)
 - Previous by thread: [*RE: Intermittent MissingFieldException*](#)
 - Next by thread: [*inline code not executing?*](#)
 - Index(es):
 - ◆ [*Date*](#)
 - ◆ [*Thread*](#)