

## Smuxi - Bug # 836: NullReferenceException in IrcClient.\_Event\_JOIN()

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	Mirco Bauer	<b>Category:</b>	Engine IRC
<b>Created:</b>	05/05/2013	<b>Assigned to:</b>	Mirco Bauer
<b>Updated:</b>	08/10/2013	<b>Due date:</b>	
<b>Complexity:</b>	High		
<b>Found in Version:</b>	smuxi-server 0.8.11.0 (master/bf0ed8b)		
<b>Subject:</b>	NullReferenceException in IrcClient._Event_JOIN()		
<b>Description:</b>	<pre> 15:50:16 WRITE: NICK XXX 15:50:16 WRITE: USER XXX 0 * :YYY 15:50:16 -!- Connection to irc.freenode.net established 15:50:26 -!- Connection error! Reason: Object reference not set to an instance of an object 15:50:26 -!- Reconnecting to irc.freenode.net... 15:50:26 -!- Disconnected from freenode 15:52:26 WRITE: NICK XXX 15:52:26 WRITE: USER XXX 0 * :YYY 15:52:26 -!- Connection to irc.freenode.net established 15:52:36 -!- Connection error! Reason: Object reference not set to an instance of an object 15:52:36 -!- Reconnecting to irc.freenode.net... 15:52:36 -!- Disconnected from freenode 15:55:06 -!- Connection error! Reason: Object reference not set to an instance of an object 15:55:06 -!- Reconnecting to irc.freenode.net... 15:55:07 -!- Disconnected from freenode 15:57:35 WRITE: NICK XXX 15:57:35 WRITE: USER XXX 0 * :YYY 15:57:35 -!- Connection to irc.freenode.net established 15:57:45 -!- Connection error! Reason: Object reference not set to an instance of an object 15:57:45 -!- Reconnecting to irc.freenode.net... 15:57:45 -!- Disconnected from freenode </pre> <pre> 2013-05-05 20:29:18,186 [IrcProtocolManager (irc.freenode.net:6667) listener] ERROR Smuxi.Engine.IrcProtocolManager - _Run(): exception in _Listen() occurred! System.NullReferenceException: Object reference not set to an instance of an object at Meebey.SmartIrc4net.IrcClient._Event_JOIN (Meebey.SmartIrc4net.IrcMessageData ircdata) [0x00103] in /usr/local/src/smuxi/lib/SmartIrc4 net/src/IrcClient/IrcClient.cs:1808 at Meebey.SmartIrc4net.IrcClient._HandleEvents (Meebey.SmartIrc4net.IrcMessageData ircdata) [0x001a9] in /usr/local/src/smuxi/lib/SmartIrc4net/src/IrcClient/IrcClient.cs:1250 at Meebey.SmartIrc4net.IrcClient._Worker (System.Object sender, Meebey.SmartIrc4net.ReadLineEventArgs e) [0x00000] in /usr/local/src/smuxi/lib/SmartIrc4net/src/IrcClient/IrcClient.cs:948 at (wrapper delegate-invoke) Meebey.SmartIrc4net.ReadLineEventHandler:invoke_void__this__object_ReadLineEventArgs (object,Meebey.SmartIrc4net.ReadLineEventArgs) at (wrapper delegate-invoke) Meebey.SmartIrc4net.ReadLineEventHandler:invoke_void__this__object_ReadLineEventArgs (object,Meebey.SmartIrc4net.ReadLineEventArgs) at Meebey.SmartIrc4net.IrcConnection.ReadLine (Boolean blocking) [0x000a1] in </pre>		

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/usr/local/src/smuxilib/SmartIrc4net/src/IrcConnection/IrcConnection.cs:884
    at Meebey.SmartIrc4net.IrcConnection.Listen (Boolean blocking) [0x0000b] in
/usr/local/src/smuxilib/SmartIrc4net/src/IrcConnection/IrcConnection.cs:823
    at Meebey.SmartIrc4net.IrcConnection.Listen () [0x00000] in
/usr/local/src/smuxilib/SmartIrc4net/src/IrcConnection/IrcConnection.cs:837
    at Smuxi.Engine.IrcProtocolManager._Listen () [0x00000] in <filename unknown>:0
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## History

### 05/19/2013 10:45 AM - Mirco Bauer

- Target version changed from 0.8.10.2 to 0.8.11.1

### 08/09/2013 08:33 PM - Infinity Zero

This leaves the network disconnected but all tabs open. Worse, there is no status update in either those tabs or their logs that this disconnection has taken place! This seems like a separate bug of "not enough error detection". If the network disconnects because of some other bug (i.e. not this bug), at least the tabs and logs should say so!

Back to this bug; after the disconnect, when one tries to reconnect using /server, without closing existing tabs, subsequent channel joins fail with Db4objects.Db4o.Ext.DatabaseFileLockedException instead of giving a "Already joined to channel" warning as usual.

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<pre>
013-08-02 19:12:39,506 [Threadpool worker] ERROR Smuxi.Engine.Db4oMessageBuffer - InitDatabase(): failed to open message database:
/home/infinity0/.local/share/smuxilib/buffers/infinity0/irc/oftc/oftc.db4o
Db4objects.Db4o.Ext.DatabaseFileLockedException: /home/infinity0/.local/share/smuxilib/buffers/infinity0/irc/oftc/oftc.db4o ---> System.IO.IOException:
Sharing violation on path /home/infinity0/.local/share/smuxilib/buffers/infinity0/irc/oftc/oftc.db4o
    at System.IO.FileStream..ctor (System.String path, FileMode mode, FileAccess access, FileShare share, Int32 bufferSize, Boolean anonymous,
FileOptions options) [0x00000] in <filename unknown>:0
    at System.IO.FileStream..ctor (System.String path, FileMode mode, FileAccess access, FileShare share) [0x00000] in <filename unknown>:0
    at (wrapper remoting-invoke-with-check) System.IO.FileStream..ctor (string, System.IO.FileMode, System.IO.FileAccess, System.IO.FileShare)
    at Sharpen.IO.RandomAccessFile..ctor (System.String file, Boolean readOnly, Boolean lockFile) [0x00007] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/native/Sharpen/IO/RandomAccessFile.cs:22
    at Db4objects.Db4o.IO.RandomAccessFileFactory.NewRandomAccessFile (System.String path, Boolean readOnly, Boolean lockFile) [0x00006] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/native/Db4objects.Db4o/IO/RandomAccessFileFactory.cs:18
--- End of inner exception stack trace ---
    at Db4objects.Db4o.IO.RandomAccessFileFactory.NewRandomAccessFile (System.String path, Boolean readOnly, Boolean lockFile) [0x0003a] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/native/Db4objects.Db4o/IO/RandomAccessFileFactory.cs:30
    at Db4objects.Db4o.IO.FileStorage+FileBin..ctor (Db4objects.Db4o.IO.BinConfiguration config) [0x00020] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/IO/FileStorage.cs:56
    at Db4objects.Db4o.IO.FileStorage.Open (Db4objects.Db4o.IO.BinConfiguration config) [0x00001] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/IO/FileStorage.cs:32
    at Db4objects.Db4o.IO.StorageDecorator.Open (Db4objects.Db4o.IO.BinConfiguration config) [0x00001] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/IO/StorageDecorator.cs:31
    at Db4objects.Db4o.IO.CachingStorage.Open (Db4objects.Db4o.IO.BinConfiguration config) [0x00001] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/IO/CachingStorage.cs:72
    at Db4objects.Db4o.Internal.IoAdaptedObjectContainer.OpenImpl () [0x000a7] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Internal/IoAdaptedObjectContainer.cs:63
    at Db4objects.Db4o.Internal.ObjectContainerBase+_IRunnable_129.Run () [0x00078] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Internal/ObjectContainerBase.cs:166
    at Db4objects.Db4o.Foundation.DynamicVariable.With (System.Object value, IRunnable block) [0x0001a] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Foundation/DynamicVariable.cs:63
    at Db4objects.Db4o.Foundation.Environments.RunWith (IEnvironment environment, IRunnable runnable) [0x00001] in
/tmp/buildd/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Foundation/Environments.cs:32
    at Db4objects.Db4o.Internal.ObjectContainerBase.WithEnvironment (IRunnable runnable) [0x00001] in

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/tmp/build/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Internal/ObjectContainerBase.cs:193
    at Db4objects.Db4o.Internal.ObjectContainerBase.Open () [0x00001] in
/tmp/build/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Internal/ObjectContainerBase.cs:144
    at Db4objects.Db4o.Internal.IoAdaptedObjectContainer..ctor (IConfiguration config, System.String fileName) [0x0001a] in
/tmp/build/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Internal/IoAdaptedObjectContainer.cs:35
    at Db4objects.Db4o.Internal.ObjectContainerFactory.OpenObjectContainer (IEmbeddedConfiguration config, System.String databaseFileName)
[0x00013] in /tmp/build/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Internal/ObjectContainerFactory.cs:19
    at Db4objects.Db4o.Db4oEmbedded.OpenFile (IEmbeddedConfiguration config, System.String databaseFileName) [0x0000e] in
/tmp/build/smuxi-0.8.11/lib/db4o-net/Db4objects.Db4o/Db4objects.Db4o/Db4oEmbedded.cs:97
    at Smuxi.Engine.Db4oMessageBuffer.OpenDatabase () [0x00015] in
/tmp/build/smuxi-0.8.11/src/Engine/MessageBuffers/Db4oMessageBuffer.cs:399
    at Smuxi.Engine.Db4oMessageBuffer.InitDatabase () [0x00008] in /tmp/build/smuxi-0.8.11/src/Engine/MessageBuffers/Db4oMessageBuffer.cs:334
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**08/10/2013 11:50 AM - Mirco Bauer**

- Status changed from New to Closed

- % Done changed from 0 to 100

- Complexity changed from Low to High

I believe this was a symptom of state corruption caused by a bug in the IRC socket buffer/queue, fixed in commit:37cc7c4acfb42fd5dec1d1366e7f9a212fe261d5

**08/10/2013 11:52 AM - Mirco Bauer**

See also #783