

Smuxi - Bug # 426: Connection crashes when connecting to a BIP server

Status:	Closed	Priority:	High
Author:	Mirco Bauer	Category:	Engine IRC
Created:	07/31/2010	Assigned to:	Mirco Bauer
Updated:	02/28/2011	Due date:	
Complexity:	Medium		
Subject:	Connection crashes when connecting to a BIP server		
Description:	<p>When Smuxi connects to a BIP server (an IRC bouncer) the connection crashes with the following exception:</p> <pre><pre> 2010-07-28 11:58:04,615 [IrcProtocolManager (balthasar:4912) listener] ERROR Smuxi.Engine.IrcProtocolManager - _Run(): exception in _Listen() occurred! System.ArgumentNullException: Argument cannot be null. Parameter name: nickname at Meebey.SmartIrc4net.IrcClient.GetIrcUser (System.String nickname) [0x00000] at Meebey.SmartIrc4net.IrcClient._Event_NICK (Meebey.SmartIrc4net.IrcMessageData ircdata) [0x00000] at Meebey.SmartIrc4net.IrcClient._HandleEvents (Meebey.SmartIrc4net.IrcMessageData ircdata) [0x00000] at Meebey.SmartIrc4net.IrcClient._Worker (System.Object sender, Meebey.SmartIrc4net.ReadLineEventArgs e) [0x00000] at (wrapper delegate-invoke) Meebey.SmartIrc4net.ReadLineEventHandler:invoke_void__this__object_ReadLineEventArgs (object,Meebey.SmartIrc4net.ReadLineEventArgs) at Meebey.SmartIrc4net.IrcConnection.ReadLine (Boolean blocking) [0x00000] at Meebey.SmartIrc4net.IrcConnection.Listen (Boolean blocking) [0x00000] at Meebey.SmartIrc4net.IrcConnection.Listen () [0x00000] at Smuxi.Engine.IrcProtocolManager._Listen () [0x00000] </pre></pre>		

History

07/31/2010 10:10 AM - Mirco Bauer

I could track the issue down in the SmartIrc4net code that parses the IRC message:

<http://git.qneta.net/?p=smartirc4net.git;a=blob;f=src/IrcClient/IrcClient.cs;h=df79f68c6fd872dafa1adcb949c1094982814d5d;hb=HEAD#832>

The parser expects that an IRC message always contains nick, user and host at the same which might be not true according to the IRC "http://www.faqs.org/rfcs/rfc2812.html":RFC2812 which states:

```
<pre>
prefix =servername / ( nickname [ [ "!" user ] "@" host ] )
</pre>
```

This means the nick or nick + host or nick + user + host can be present.

BIP only sends the nick in this case which leads to the crash:

```
<pre>
:jonp NICK jonp-smuxi
</pre>
```

08/04/2010 11:42 AM - Mirco Bauer

Another BIP specific issue popped up, but this time BIP is violating the IRC RFCs, example:

```
<pre>
:b.i.p 353 jonp @ ##dbling jonp
</pre>
```

The IRC RFCs define the colon after the channel as mandatory.
SmartIrc4net needs a hack for this issue.

02/28/2011 12:20 AM - Mirco Bauer

- *Status changed from New to Closed*
- *Target version set to 0.8*
- *% Done changed from 0 to 100*
- *Complexity set to Medium*

Fixed in SmartIrc4net 8dbef2fa9e15988872ac1db208f6b10b0eaa98a9:

<http://git.qnetp.net/?p=smartirc4net.git;a=commit;h=8dbef2fa9e15988872ac1db208f6b10b0eaa98a9>