

Dyson - Bug #171

dbus-sharp uses invalid SOCK_STREAM constant

2014-05-22 06:29 PM - Igor Pashev

Status:	Feedback	Start date:	2014-05-22
Priority:	Low	Due date:	
Assignee:		% Done:	90%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
dbus-csharp uses invalid SOCK_STREAM constant. It is set to 1 as on Linux, but on Dyson it is 2. This cause Tomboy to crash.			
<pre># grep -rnH SOCK_STREAM src/Unix/UnixSocket.cs:50: // FIXME: SOCK_STREAM is 2 on Solaris src/Unix/UnixSocket.cs:51: public const short SOCK_STREAM = 1; # tomboy Unhandled Exception: System.TypeInitializationException: An exception was thrown by the type initializer for DBus.Bus - --> System.Exception: Error 98: Protocol wrong type for socket at DBus.Unix.UnixSocket.Connect (System.Byte[] remote_end) [0x00000] in <filename unknown>:0 at DBus.Transports.UnixNativeTransport.OpenUnix (System.String path) [0x00000] in <filename unkn own>:0 at DBus.Transports.UnixNativeTransport.Open (System.String path, Boolean abstract) [0x00000] in <filename unknown>:0 at DBus.Transports.UnixTransport.Open (DBus.AddressEntry entry) [0x00000] in <filename unknown>: 0 at DBus.Transports.Transport.Create (DBus.AddressEntry entry) [0x00000] in <filename unknown>:0 at DBus.Connection.OpenPrivate (System.String address) [0x00000] in <filename unknown>:0 --- End of inner exception stack trace --- at DBus.BusG.Init () [0x00000] in <filename unknown>:0 at Tomboy.RemoteControlProxy.get_FirstInstance () [0x00000] in <filename unknown>:0 at Tomboy.Tomboy.Main (System.String[] args) [0x00000] in <filename unknown>:0 [ERROR] FATAL UNHANDLED EXCEPTION: System.TypeInitializationException: An exception was thrown by the type initializer for DBus.Bus --> System.Exception: Error 98: Protocol wrong type for socket at DBus.Unix.UnixSocket.Connect (System.Byte[] remote_end) [0x00000] in <filename unknown>:0 at DBus.Transports.UnixNativeTransport.OpenUnix (System.String path) [0x00000] in <filename unkn own>:0 at DBus.Transports.UnixNativeTransport.Open (System.String path, Boolean abstract) [0x00000] in <filename unknown>:0 at DBus.Transports.UnixTransport.Open (DBus.AddressEntry entry) [0x00000] in <filename unknown>: 0 at DBus.Transports.Transport.Create (DBus.AddressEntry entry) [0x00000] in <filename unknown>:0 at DBus.Connection.OpenPrivate (System.String address) [0x00000] in <filename unknown>:0 --- End of inner exception stack trace --- at DBus.BusG.Init () [0x00000] in <filename unknown>:0 at Tomboy.RemoteControlProxy.get_FirstInstance () [0x00000] in <filename unknown>:0 at Tomboy.Tomboy.Main (System.String[] args) [0x00000] in <filename unknown>:0 3447/1: so_socket(PF_UNIX, SOCK_DGRAM, 0, 0x00000000, SOV_DEFAULT) = 3 3447/1: connect(3, 0xFFFFFD7FFD80B3F0, 34, SOV_DEFAULT) Err#98 EPROTOTYPE 3447/1: access("/usr/lib/locale/en_US.UTF-8", F_OK) = 0</pre>			

History

#1 - 2014-05-22 06:58 PM - Igor Pashev

This is how dbus-send works:

```
dbus-send --session --dest=org.freedesktop.DBus --type=method_call --print-reply /org/freedesktop/DBus org.fre
edesktop.DBus.ListNames
```

```
so_socket(PF_UNIX, SOCK_STREAM, 0, 0x00000000, SOV_XPG4_2) = 3
fcntl(3, F_GETFD, 0x00000000) = 0
fcntl(3, F_SETFD, 0x00000001) = 0
connect(3, 0xFFFFFD7FFDFE9E0, 22, SOV_XPG4_2) = 0
```

#2 - 2014-05-22 07:15 PM - Igor Pashev

EPROTOTYPE

```
Remote socket does not match the local socket type (SOCK_DGRAM
vs. SOCK_STREAM)
```

#3 - 2014-05-22 07:17 PM - Igor Pashev

```
# grep -rnH SOCK_STREAM
src/Unix/UnixSocket.cs:50: // FIXME: SOCK_STREAM is 2 on Solaris
src/Unix/UnixSocket.cs:51: public const short SOCK_STREAM = 1;
```

#4 - 2014-05-22 07:57 PM - Igor Pashev

- Subject changed from *tomboy fails to start with dbus to dbus-csharp uses invalid SOCK_STREAM constant*
- Description updated

#5 - 2014-05-22 07:57 PM - Igor Pashev

- Subject changed from *dbus-csharp uses invalid SOCK_STREAM constant to dbus-sharp uses invalid SOCK_STREAM constant*

#6 - 2014-05-22 08:02 PM - Igor Pashev

- Subject changed from *dbus-sharp uses invalid SOCK_STREAM constant to dbus-sharp uses invalid SOCK_STREAM constant*

#7 - 2014-05-22 08:04 PM - Igor Pashev

<https://github.com/mono/dbus-sharp/issues/36>

#8 - 2014-05-23 01:22 PM - Igor Pashev

- Status changed from *New to Feedback*
- Priority changed from *Normal to Low*
- % Done changed from *0 to 90*

Resolved by hardcoding 2 :-)

#9 - 2014-05-23 09:48 PM - Igor Pashev

- Status changed from *Feedback to New*

#10 - 2014-05-23 09:48 PM - Igor Pashev

- Status changed from *New to Feedback*