

Smuxi - Bug # 515: Parallel build tends to fail and cause sharing violation

Status:	Closed	Priority:	Normal
Author:	Pacho Ramos	Category:	Other
Created:	10/05/2010	Assigned to:	Mirco Bauer
Updated:	11/20/2011	Due date:	
Complexity:	Medium		
Subject:	Parallel build tends to fail and cause sharing violation		

Description: When trying to bump to 0.8 smuxi ebuild (for Gentoo users), I noticed build failed from time to time when toggling "debug" configure option but, later, I saw that the problem didn't occur when forcing its compilation disabling parallel build.

The error I was seeing is the following:

```
: error CS0016: Could not write to file
/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/bin/debug/obj/Debug/Twitterizer2.dll', cause: Sharing
violation on
```

```
path /var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/bin/debug/obj/Debug/Twitterizer2.dll
```

```
Task "Csc" execution -- FAILED
```

```
Done building target "CoreCompile" in project
```

```
"/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/lib/Twitterizer/Twitterizer2/Twitterizer2.csproj".--
```

```
FAILED
```

```
Target _GetCompileOutputsForClean:
```

```
Target _RecordCleanFile:
```

```
Done building project
```

```
"/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/lib/Twitterizer/Twitterizer2/Twitterizer2.csproj".-- FAILED
```

```
Build FAILED.
```

```
Errors:
```

```
/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/lib/Twitterizer/Twitterizer2/Twitterizer2.csproj (default
targets) ->
```

```
/usr/lib64/mono/3.5/Microsoft.CSharp.targets (CoreCompile target) ->
```

```
: error CS0016: Could not write to file
/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/bin/debug/obj/Debug/Twitterizer2.dll', cause: Sharing
violation on path /var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/bin/debug/obj/Debug/Twitterizer2.dll
```

```
0 Warning(s)
```

```
1 Error(s)
```

```
Time Elapsed 00:00:05.4733280
```

```
make[2]: *** [./bin/debug/Twitterizer2.dll] Error 1
```

```
make[2]: *** Waiting for unfinished jobs....
```

```
Target GetCopyToOutputDirectoryItems:
```

```
Project
```

```
"/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/lib/Newtonsoft.Json/Src/Newtonsoft.Json/Newtonsoft.Json
.csproj" (GetCopyToOutputDirectoryItems target(s)):
```

Done building project

```
"/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/lib/Newtonsoft.Json/Src/Newtonsoft.Json/Newtonsoft.Json.csproj".
```

Target DeployOutputFiles:

```
Copying file from  
'/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/bin/debug/obj/Debug/Twitterizer2.dll.mdb'  
to  
'/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/bin/debug/Twitterizer2.dll.mdb'
```

```
Copying file from  
'/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/bin/debug/obj/Debug/Twitterizer2.dll'  
to  
'/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/bin/debug/Twitterizer2.dll'
```

Target _GetCompileOutputsForClean:

Target _RecordCleanFile:

```
Done building project  
"/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/lib/Twitterizer/Twitterizer2/Twitterizer2.csproj".
```

Build succeeded.

0 Warning(s)

0 Error(s)

Time Elapsed 00:00:05.6182230

```
make[2]: Leaving directory `/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/lib'
```

```
make[1]: *** [all-recursive] Error 1
```

```
make[1]: Leaving directory `/var/tmp/portage/net-irc/smuxi-0.8/work/smuxi-0.8/lib'
```

```
make: *** [all-recursive] Error 1
```

Attached is full build.log

Associated revisions

11/20/2011 01:23 PM - Mirco Bauer

Forcely disable parallel builds (closes: #515)

History

10/05/2010 09:52 PM - Mirco Bauer

- Category changed from Common to Other

- Target version changed from 0.8 to 0.8.9

Is it acceptable for you if I override make's setting to suppress -j > 0? The build will then no longer fail but will also not take advantage of parallel builds. As Smuxi builds in less than 30 seconds using -j1 I don't think it's worth it to add support for parallel builds:

<pre>

```
make[1]: Leaving directory `/home/meebey/data/projects/c-sharp/smuxi/git'
```

```
real 0m18.039s
```

```
user 0m17.053s
```

```
sys 0m1.212s
```

</pre>

10/05/2010 09:53 PM - Mirco Bauer

Thank you very much for finding out what the cause of #492 is, I wasn't able to reproduce it. (as I am not using make -j > 0).

10/06/2010 08:36 AM - Pacho Ramos

From my point of view, if it's too hard to fix, would be better to force "-j1" but, of course, would be better to try to solve it since probably people owning machines with multiple cores would get it built much faster :-)

11/20/2011 01:31 PM - Mirco Bauer

- *Status changed from New to Closed*

- *% Done changed from 0 to 100*

Applied in changeset commit:"12cedb7290f6b6fe2765432c0b5bf73c25a94922".

Files

build.log	139 KB	10/05/2010	Pacho Ramos
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