

McScM - Bug # 36: Problems with Static build under Linux

Status:	Closed	Priority:	Low
Author:	Alexander Heußner	Category:	
Created:	03/03/2011	Assignee:	Alexander Heußner
Updated:	04/08/2011	Due date:	
Subject:	Problems with Static build under Linux		
Description:	Static build (part of make distrib) leads to the following error message under Gentoo <pre> /usr/lib/gcc/i686-pc-linux-gnu/4.4.3/../../../../i686-pc-linux-gnu/bin/ld: dynamic STT_GNU_IFUNC symbol `strcmp' with pointer equality in `/usr/lib/gcc/i686-pc-linux-gnu/4.4.3/../../../../lib.a(strcmp.o)' can not be used when making an executable; recompile with -fPIE and relink with -pie collect2: ld returned 1 exit status File "caml_startup", line 1, characters 0-1: Error: Error during linking </pre>		

History

03/03/2011 12:10 am - Alexander Heußner

- Status changed from New to Resolved

- Priority changed from Normal to Low

- % Done changed from 0 to 100

uncommented static building

```
<pre>  
--- Makefile 2011-02-17 03:43:59.000000000 +0100  
+++ Makefile.orig 2011-02-17 03:43:35.000000000 +0100  
@@ -80,6 +80,7 @@  
 os=${$(uname -s)}\  
 arch=${$(OCAMLBUILD) -build-dir $(BUILDDIR) -quiet __show_architecture__};\  
 today=${$(date '+%C%y%m%d')};\  
+ test "$$os" != "Linux" || $(MAKE) native.static;\  
 example_dir='examples/scm';\  
 $(GNUTAR) -jcvf mcscm_$$os_$$arch_$$today.tar.bz2\  
 --transform 's,^,mcscm/,\  
</pre>
```

03/03/2011 12:34 am - Alexander Heußner

seems a problem with ocaml under Gentoo as was able to build 64bit variant under other linux.

nevertheless, ignore for the moment the static build

03/03/2011 12:46 pm - Alexander Heußner

- Status changed from Resolved to Closed

Alexander Heußner wrote:

> seems a problem with ocaml under Gentoo as was able to build 64bit variant under other linux.

additional testing revealed that it was a Linux-distribution problem and not a mcscm problem,

the only interesting message was

```
<pre>  
unix.c:(.text+0x232): warning: Using 'dlopen' in statically linked applications requires at runtime the shared libraries from the glibc version used for
```

linking

</pre>

but it seems to not effect our static build (tested compilation/running on different platforms).

thus, the Makefile allows again static building under linux

04/08/2011 01:29 pm - Grégoire Sutre

- *Target version set to 1.0*