Ruby master - Feature #4946

Building libruby-static.a with option nodynamic and --with-static-link-ext doesn't disable dlopen

06/30/2011 07:03 AM - regularfry (Alex Young)

Status: Closed
Priority: Normal
Assignee: nobu (Nobuyoshi Nakada)
Target version: 2.0.0

Description
I uncomment option nodynamic in ext/Setup and run ./configure --with-static-link-ext, then make libruby-static.a

I then compile this:

/* trial.c */
#include "ruby.h"
int main(){
  ruby_init();
  return 0;
}

like so:

gcc -c trial.c -o trial.o -Iruby-1.9.2-p180/include -Iruby-1.9.2-p180/.ext/include/i686-linux
gcc -static trial.o -Lruby-1.9.2-p180 -lruby-static -lpthread -lrt -ldl -lcrypt -lm -o trial

And I see this warning:

/home/alex/projects/scratch/ruby/ruby-1.9.2-p180/libruby-static.a(dln.o): In function `dln_load':
/home/alex/projects/scratch/ruby/ruby-1.9.2-p180/dln.c:1276: warning: Using 'dlopen' in statically linked applications requires at runtime the shared libraries from the glibc version used for linking

I specifically do not want any run-time code loading capability, but I can see no documented way to disable dlopen; is there any way to silence this warning?

Associated revisions
Revision f6761088 - 11/23/2012 03:00 PM - nobu (Nobuyoshi Nakada)
configure.in: --disable-dln
  configure.in (--disable-dln): option to disable dynamic linking feature. [ruby-core:37676] [Feature #4946]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@37821 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 37821 - 11/23/2012 03:00 PM - nobu (Nobuyoshi Nakada)
configure.in: --disable-dln
  configure.in (--disable-dln): option to disable dynamic linking feature. [ruby-core:37676] [Feature #4946]

Revision 37821 - 11/23/2012 03:00 PM - nobu (Nobuyoshi Nakada)
configure.in: --disable-dln
  configure.in (--disable-dln): option to disable dynamic linking feature. [ruby-core:37676] [Feature #4946]

Revision 37821 - 11/23/2012 03:00 PM - nobu (Nobuyoshi Nakada)
configure.in: --disable-dln
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09/18/2021
configure.in: --disable-dln

- configure.in (--disable-dln): option to disable dynamic linking feature. [ruby-core:37676] [Feature #4946]

History

#1 - 07/02/2011 05:33 AM - nobu (Nobuyoshi Nakada)
- Tracker changed from Bug to Feature

There is no way to disable dynamic loading now.
--with-static-linked-ext just let all bundled extension libraries linked statically.

#2 - 07/10/2011 03:38 PM - naruse (Yui NARUSE)
- Target version changed from 1.9.2 to 2.0.0

#3 - 03/25/2012 04:35 PM - mame (Yusuke Endoh)
- Status changed from Open to Assigned
- Assignee set to nobu (Nobuyoshi Nakada)
- Priority changed from Normal to 3

#4 - 11/20/2012 10:01 PM - nobu (Nobuyoshi Nakada)
- Status changed from Assigned to Feedback

Can't you disable it with the following?
ac_cv_func_dlopen=no configure

#5 - 11/24/2012 12:00 AM - nobu (Nobuyoshi Nakada)
- Status changed from Feedback to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r37821.
Alex, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

configure.in: --disable-dln

- configure.in (--disable-dln): option to disable dynamic linking feature. [ruby-core:37676] [Feature #4946]