Ruby master - Bug #13402

[PATCH] fix --with-gmp (broken by r57490)

04/05/2017 12:58 AM - shyouhei (Shyouhei Urabe)

Status: Closed
Priority: Normal
Assignee: nobu (Nobuyoshi Nakada)
Target version: ruby 2.5.0dev (2017-04-05 trunk 58250)

Description

From 1ff8c57aee9d777d14a0f961139510ee93dc9c5 Mon Sep 17 00:00:00 2001
From: "Urabe, Shyouhei" <shyouhei@ruby-lang.org>
Date: Wed, 5 Apr 2017 09:56:09 +0900
Subject: [PATCH] fix --with-gmp (broken by r57490)

Looking at the generated shell script (also the autoconf manual), it seems `AC_SEARCH_LIBS()` m4 macro does not define HAVE_LIBsomething C preprocessor macros, unlike `AC_CHECK_LIB()` which does define them. This previous change effectively killed building with GMP because building that mode depends on existence of HAVE_LIBGMP.

Signed-off-by: Urabe, Shyouhei <shyouhei@ruby-lang.org>

---
configure.in | 6++++--
1 file changed, 4 insertions(+), 2 deletions(-)
diff --git a/configure.in b/configure.in
index 48a10811a0..1dfec8b2d3 100644
--- a/configure.in
+++ b/configure.in
@@ -1386,13 +1386,15 @@ AC_ARG_WITH([gmp],
  AS_IF([test "x$with_gmp" != xno],
    [AC_CHECK_HEADERS(gmp.h)
     AS_IF([test "x$ac_cv_header_gmp_h" != xno],
-       AC_SEARCH_LIBS([__gmpz_init], [gmp]))])
+       AC_SEARCH_LIBS([__gmpz_init], [gmp],
+       [AC_DEFINE(HAVE_LIBGMP, 1)]))
  AC_ARG_WITH([jemalloc],
    [AS_HELP_STRING([--with-jemalloc],[use jemalloc allocator])],
    [with_jemalloc=$withval], [with_jemalloc=no])
AS_IF([test "$with_jemalloc" = xyes],[
-   AC_SEARCH_LIBS([malloc_conf], [jemalloc], [], [with_jemalloc=no])
+   AC_SEARCH_LIBS([malloc_conf], [jemalloc],
+   [AC_DEFINE(HAVE_LIBJEMALLOC, 1)], [with_jemalloc=no])
   AC_CHECK_HEADER(jemalloc/jemalloc.h, [
   AC_DEFINE(RUBY_ALTERNATIVE_MALLOC_HEADER, [<jemalloc/jemalloc.h>])
  ])
--
2.12.2

Related issues:
Related to Ruby master - Bug #13175: Building --with-jemalloc on FreeBSD fails
Closed
Related to Ruby master - Bug #13899: Ruby 2.4.2 and 2.3.5 cannot link with li...
Closed

Associated revisions
Revision 77c26ee6 - 04/05/2017 08:52 AM - shyouhei (Shyouhei Urabe)

fix --with-gmp (broken by r57490)

Looking at the generated shell script (also the autoconf manual), it
seems AC_SEARCH_LIBS() m4 macro does not define HAVE_LIBsomething C preprocessor macros, unlike AC_CHECK_LIB() which does define them. This previous change effectively killed building with GMP because building that mode depends on existence of HAVE_LIBGMP. [Bug #13402]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@58254 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 58254 - 04/05/2017 08:52 AM - shyouhei (Shyouhei Urabe)
fix --with-gmp (broken by r57490)

Looking at the generated shell script (also the autoconf manual), it seems AC_SEARCH_LIBS() m4 macro does not define HAVE_LIBsomething C preprocessor macros, unlike AC_CHECK_LIB() which does define them. This previous change effectively killed building with GMP because building that mode depends on existence of HAVE_LIBGMP. [Bug #13402]

Revision 58254 - 04/05/2017 08:52 AM - shyouhei (Shyouhei Urabe)
fix --with-gmp (broken by r57490)

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Revision 463a56d1 - 09/14/2017 08:41 PM - usa (Usaku NAKAMURA)
merge revision(s) 58254: [Backport #13402]

fix --with-gmp (broken by r57490)

Looking at the generated shell script (also the autoconf manual), it seems AC_SEARCH_LIBS() m4 macro does not define HAVE_LIBsomething C preprocessor macros, unlike AC_CHECK_LIB() which does define them. This previous change effectively killed building with GMP because building that mode depends on existence of HAVE_LIBGMP. [Bug #13402]

git-svn-id: svn+ssh://ci.ruby-lang.org/branches/ruby_2_3@59912 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 59912 - 09/14/2017 08:41 PM - usa (Usaku NAKAMURA)
merge revision(s) 58254: [Backport #13402]

fix --with-gmp (broken by r57490)

Looking at the generated shell script (also the autoconf manual), it seems AC_SEARCH_LIBS() m4 macro does not define HAVE_LIBsomething C preprocessor macros, unlike AC_CHECK_LIB() which does define them. This previous change effectively killed building with GMP because building that mode depends on existence of HAVE_LIBGMP. [Bug #13402]

Revision edda7925 - 09/14/2017 10:22 PM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 58254: [Backport #13402]

fix --with-gmp (broken by r57490)

Looking at the generated shell script (also the autoconf manual), it seems AC_SEARCH_LIBS() m4 macro does not define HAVE_LIBsomething C preprocessor macros, unlike AC_CHECK_LIB() which does define them. This previous change effectively killed building with GMP because building that mode depends on existence of HAVE_LIBGMP. [Bug #13402]
Revision 59914 - 09/14/2017 10:22 PM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 58254: [Backport #13402]

fix --with-gmp (broken by r57490)

Looking at the generated shell script (also the autoconf manual), it
seems AC_SEARCH_LIBS() m4 macro does not define HAVE_LIBsomething C
preprocessor macros, unlike AC_CHECK_LIB() which does define them.
This previous change effectively killed building with GMP because
building that mode depends on existence of HAVE_LIBGMP. [Bug #13402]

History
#1 - 04/05/2017 01:00 AM - shyouhei (Shyouhei Urabe)
- Backport changed from 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN to 2.2: DONTNEED, 2.3: DONTNEED, 2.4: DONTNEED
- ruby -v set to ruby 2.5.0dev (2017-04-05 trunk 58250) [x86_64-darwin15]
- Assignee set to nobu (Nobuyoshi Nakada)
- Status changed from Open to Assigned

#2 - 04/05/2017 03:29 AM - nobu (Nobuyoshi Nakada)
Indeed.
Please commit it.

#3 - 04/05/2017 08:52 AM - shyouhei (Shyouhei Urabe)
- Status changed from Assigned to Closed

Applied in changeset trunk|r58254.

fix --with-gmp (broken by r57490)

Looking at the generated shell script (also the autoconf manual), it
seems AC_SEARCH_LIBS() m4 macro does not define HAVE_LIBsomething C
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This previous change effectively killed building with GMP because
building that mode depends on existence of HAVE_LIBGMP. [Bug #13402]

#4 - 09/14/2017 08:31 PM - usa (Usaku NAKAMURA)
- Related to Bug #13175: Building --with-jemalloc on FreeBSD fails added

#5 - 09/14/2017 08:32 PM - usa (Usaku NAKAMURA)
- Backport changed from 2.2: DONTNEED, 2.3: DONTNEED, 2.4: DONTNEED to 2.2: DONTNEED, 2.3: REQUIRED, 2.4: REQUIRED

#6 - 09/14/2017 08:41 PM - usa (Usaku NAKAMURA)
- Backport changed from 2.2: DONTNEED, 2.3: REQUIRED, 2.4: REQUIRED to 2.2: DONTNEED, 2.3: DONE, 2.4: REQUIRED

ruby_2_3 r59912 merged revision(s) 58254.

#7 - 09/14/2017 10:22 PM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 2.2: DONTNEED, 2.3: DONE, 2.4: REQUIRED to 2.2: DONTNEED, 2.3: DONE, 2.4: DONE

ruby_2_4 r59914 merged revision(s) 58254.

#8 - 09/14/2017 10:34 PM - usa (Usaku NAKAMURA)
- Related to Bug #13899: Ruby 2.4.2 and 2.3.5 cannot link with libgmp nor jemalloc added