Ruby master - Bug #7874

multiarch support enhancements

02/18/2013 03:57 AM - terceiro (Antonio Terceiro)

Status: Closed
Priority: Normal
Assignee: nobu (Nobuyoshi Nakada)
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2013-02-17 trunk 39293)

Description
Hi, I am one the maintainers of Ruby in Debian, thanks a lot for adding multiarch support.

While preparing packages for Ruby 2.0, I found two issues:

1) On a x86_64 Debian system with Linux kernel, Ruby will say that the architecture is "x86_64-linux", but the standard architecture name for such a system, as used in multiarch-enabled packages, is "x86_64-linux-gnu". In order to not break other systems, I suggest adding a --with-multiarchname argument to ./configure so that the Debian package can pass in the appropriate architecture name during ./configure stage.

2) the pkg-config data also has to be installed inside multiarch paths.

I am attaching patches for both issues.

Associated revisions
Revision 67ab6e3d - 02/20/2013 09:01 AM - nobu (Nobuyoshi Nakada)
configure.in: adjust libdirname

  • configure.in (libdirname): adjust library path name which libruby files will be installed. [Bug #7874]
  • tool/rbinstall.rb (libdir): ditto.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39333 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39333 - 02/20/2013 09:01 AM - nobu (Nobuyoshi Nakada)
configure.in: adjust libdirname

  • configure.in (libdirname): adjust library path name which libruby files will be installed. [Bug #7874]
  • tool/rbinstall.rb (libdir): ditto.

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Revision 52911974 - 02/20/2013 09:02 AM - nobu (Nobuyoshi Nakada)
configure.in: target_os suffix

- configure.in (target_os): do not strip -gnu suffix on Linux if --target is given explicitly. [Bug #7874]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39334 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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Revision fc50b60c - 02/20/2013 12:34 PM - nobu (Nobuyoshi Nakada)

- tool/rbinstall.rb (libdir): fix typo. [Bug #7874]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39338 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39338 - 02/20/2013 12:34 PM - nobu (Nobuyoshi Nakada)

- tool/rbinstall.rb (libdir): fix typo. [Bug #7874]

Revision 39338 - 02/20/2013 12:34 PM - nobu (Nobuyoshi Nakada)

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Revision 22b51faf - 02/21/2013 12:51 AM - nobu (Nobuyoshi Nakada)

configure.in: libdir_basename for -rpath and -install_name

- configure.in (libdir_basename): also -rpath and -install_name flags are affected when libruby directory changes. [Bug #7874]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39345 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39345 - 02/21/2013 12:51 AM - nobu (Nobuyoshi Nakada)

configure.in: libdir_basename for -rpath and -install_name

- configure.in (libdir_basename): also -rpath and -install_name flags are affected when libruby directory changes. [Bug #7874]

Revision 39345 - 02/21/2013 12:51 AM - nobu (Nobuyoshi Nakada)

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Revision 739c8ffc - 02/21/2013 03:42 AM - nobu (Nobuyoshi Nakada)

configure.in: expand libdir_basename

- configure.in (libdir_basename): expand with multiarch in configure, not to defer the expansion till ruby.pc.in and mkmf.rb. [Bug #7874]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39347 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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Revision 74016f18 - 02/21/2013 03:45 AM - nobu (Nobuyoshi Nakada)
ruby.c: fix for multiarch library
• ruby.c (ruby_init_loadpath_safe): try two levels upper for stripping libdir name. [Bug #7874]

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Revision b9ef804f - 02/22/2013 02:33 AM - nobu (Nobuyoshi Nakada)
mkmf.rb: adjust default library path
• lib/mkmf.rb (MakeMakefile#init_mkmf): adjust default library path for multiarch. [Bug #7874]
Revision 39371 - 02/22/2013 02:33 AM - nobu (Nobuyoshi Nakada)
mkmf.rb: adjust default library path
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Revision 39371 - 02/22/2013 02:33 AM - nobu (Nobuyoshi Nakada)
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Revision 36de5e4d - 05/05/2013 04:29 AM - nobu (Nobuyoshi Nakada)
ruby.pc.in: rubyarchhdrdir
  * template/ruby.pc.in (Cflags): use rubyarchhdrdir for multiarch. [Bug #7874]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@40580 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 40580 - 05/05/2013 04:29 AM - nobu (Nobuyoshi Nakada)
ruby.pc.in: rubyarchhdrdir
  * template/ruby.pc.in (Cflags): use rubyarchhdrdir for multiarch. [Bug #7874]

Revision 40580 - 05/05/2013 04:29 AM - nobu (Nobuyoshi Nakada)
ruby.pc.in: rubyarchhdrdir
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History

#1 - 02/18/2013 04:20 AM - terceiro (Antonio Terceiro)

Hi,

there is also another problem: when --enabled-shared is used, the shared libraries are not installed in the multiarch path. I am working on a patch for that.

#2 - 02/18/2013 04:35 AM - vo.x (Vit Ondruch)

Ad 1) You can use --host=x86_64-linux-gnu if I am not mistaken.
Ad 2) It seems to duplicate #7867

#3 - 02/18/2013 07:28 AM - terceiro (Antonio Terceiro)

- File 0002-Install-libraries-and-pkg-config-data-into-multiarch.patch added

Attaching a patch that fixes the path for installing both the libraries and the pkg-config data. It supersedes 0002-Install-pkgconfig-data-to-architecture-specific-path.patch attached before.

#4 - 02/18/2013 08:39 AM - ko1 (Koichi Sasada)

- Category set to build
- Assignee set to nobu (Nobuyoshi Nakada)

#5 - 02/19/2013 01:35 AM - mame (Yusuke Endoh)

Hello Antoino,

Doesn't Vit's comment help you?
And please attach the patch for "another issue" into the ticket #7867.

Thanks!

--
Yusuke Endoh mame@tsg.ne.jp

#6 - 02/19/2013 03:35 AM - terceiro (Antonio Terceiro)

mame (Yusuke Endoh) wrote:

Hello Antoino,

 Doesn't Vit's comment help you?

I tried --host= but it does not have any effect on the paths used in the installation. In this case we really need to use the standard architecture name for $arch.

And please attach the patch for "another issue" into the ticket #7867.

Fair enough - just did it. But note that such patch fixes #7867 and stuff I am reporting here (i.e. the install path for libraries (.so, .a) into multiarch paths.

#7 - 02/19/2013 10:55 PM - nobu (Nobuyoshi Nakada)

The arch name is taken from --target option, not --host.

#8 - 02/19/2013 11:19 PM - nobu (Nobuyoshi Nakada)

As for the second patch, I guess it would be:
AC_SUBST(ENABLE_MULTIARCH, ${multiarch:-no})

Note the colon.

#9 - 02/20/2013 01:14 PM - nobu (Nobuyoshi Nakada)

Sorry, I'm confused a little last night.
multiarch is set to an empty string or unset, so terceiro's substitution is correct.
Sorry, I don't understand the situation.
Nobu, do you think that we should import terceiro's patches?

---

Mame Yusuke Endoh mame@tsq.ne.jp

#11 - 02/20/2013 06:01 PM - nobu (Nobuyoshi Nakada)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r39333.
Antonio, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

configure.in: adjust libdirname
- configure.in (libdirname): adjust library path name which libruby files will be installed. [Bug #7874]
- tool/rbinstall.rb (libdir): ditto.

#12 - 02/20/2013 06:02 PM - nobu (Nobuyoshi Nakada)
- Status changed from Closed to Open
- % Done changed from 100 to 50

This issue was solved with changeset r39334.
Antonio, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

configure.in: target_os suffix
- configure.in (target_os): do not strip -gnu suffix on Linux if --target is given explicitly. [Bug #7874]

#14 - 02/20/2013 10:13 PM - nobu (Nobuyoshi Nakada)
I think r39334 fixes a longstanding bug, which ignores explicitly specified option, not only guessed name.

#15 - 02/21/2013 10:15 AM - terceiro (Antonio Terceiro)
thanks!

#16 - 02/21/2013 06:11 PM - nobu (Nobuyoshi Nakada)
Others are libdir concerned patches, and I think they are not stable enough to backport yet.

#17 - 02/21/2013 09:50 PM - terceiro (Antonio Terceiro)
Hi,

With the current state in trunk it does not build anymore:

$ autoreconf &
./configure --target=x86_64-linux-gnu --enable-multiarch
[...]
configure: creating ../config.status
config.status: creating Makefile
config.status: creating ruby-0.11.10
Variable 'archlibdir' not defined in '../ruby.tmp'
<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001-Allow-setting-arch-name-in-configure.patch</td>
<td>1.62 KB</td>
<td>02/18/2013</td>
<td>terceiro (Antonio Terceiro)</td>
</tr>
<tr>
<td>0002-Install-pkgconfig-data-to-architecture-specific-path.patch</td>
<td>827 Bytes</td>
<td>02/18/2013</td>
<td>terceiro (Antonio Terceiro)</td>
</tr>
<tr>
<td>0002-Install-libraries-and-pkg-config-data-into-multiarch.patch</td>
<td>1.4 KB</td>
<td>02/18/2013</td>
<td>terceiro (Antonio Terceiro)</td>
</tr>
</tbody>
</table>