

Ruby trunk - 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)	Backport:
Description		
<p>Hi, I am one the maintainers of Ruby in Debian, thanks a lot for adding multiarch support.</p> <p>While preparing packages for Ruby 2.0, I found two issues:</p> <p>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 <code>--with-multiarchname</code> argument to <code>./configure</code> so that the Debian package can pass in the appropriate architecture name during <code>./configure</code> stage.</p> <p>2) the <code>pkg-config</code> data also has to be installed inside multiarch paths.</p> <p>I am attaching patches for both issues.</p>		

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.

Revision 39333 - 02/20/2013 09:01 AM - nobu (Nobuyoshi Nakada)

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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]

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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

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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]

git-svn-id: [svn+ssh://ci.ruby-lang.org/ruby/trunk@39348](https://ci.ruby-lang.org/ruby/trunk@39348) b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39348 - 02/21/2013 03:45 AM - nobu (Nobuyoshi Nakada)

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Revision 39348 - 02/21/2013 03:45 AM - nobu (Nobuyoshi Nakada)

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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

- 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)

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- 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)

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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]

Revision 40580 - 05/05/2013 04:29 AM - nobu (Nobuyoshi Nakada)

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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's confused a little last night.

multiarch is set to an empty string or unset, so terceiro's substitution is correct.

#10 - 02/20/2013 04:19 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned

Sorry, I don't understand the situation.
Nobu, do you think that we should import terceiro's patches?

--

Yusuke Endoh mame@tsg.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

#13 - 02/20/2013 06:02 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

- % Done changed from 50 to 100

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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-2.0.pc  
Variable 'archlibdir' not defined in './ruby.tmp.pc'
```

Files

0001-Allow-setting-arch-name-in-.-configure.patch	1.62 KB	02/18/2013	terceiro (Antonio Terceiro)
0002-Install-pkgconfig-data-to-architecture-specific-path.patch	827 Bytes	02/18/2013	terceiro (Antonio Terceiro)
0002-Install-libraries-and-pkg-config-data-into-multiarch.patch	1.4 KB	02/18/2013	terceiro (Antonio Terceiro)