

Ruby - Feature #8090

resolv.rb checks platform based on RUBY_PLATFORM, which is insufficient for JRuby

03/14/2013 09:06 AM - headius (Charles Nutter)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:	2.6	
Description <p>JRuby shares stdlib with MRI, and as a result we've had to patch a number of things. We'd like to get some of these changes back into MRI's copy.</p> <p>This issue refers to the following check in resolv.rb:</p> <pre>if /mswin mingw bccwin/ =~ RUBY_PLATFORM require 'win32/resolv' DefaultFileName = Win32::Resolv.get_hosts_path else DefaultFileName = '/etc/hosts' end</pre> <p>Because RUBY_PLATFORM on JRuby is always 'java', this check will use the incorrect "hosts" path on Windows. This was reported as an issue in https://github.com/jruby/jruby/issues/580.</p> <p>We had patched 1.8 stdlib but not 1.9 stdlib to use the following line for checking platform:</p> <pre>if /mswin mingw bccwin/ =~ RUBY_PLATFORM ::RbConfig::CONFIG['host_os'] =~ /mswin/</pre> <p>I would like to commit this change back to MRI for 1.9.3, 2.0, and 2.1. It does not produce a behavioral change on MRI, since there's no supported platforms that will match /mswin/ for host_os, but it means we won't have to maintain a diff.</p>		

Associated revisions

Revision 80466df90e1fc952d661686baaa6f3b245d42a0 - 03/28/2013 02:11 PM - akr (Akira Tanaka)

- lib/resolv.rb: Test Windows platform by detecting LoadError when require 'win32/resolv' suggested by Nobuyoshi Nakada [ruby-core:53389]. [ruby-core:53388] [Feature #8090] Reported by Charles Nutter.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39988 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 80466df6 - 03/28/2013 02:11 PM - akr (Akira Tanaka)

- lib/resolv.rb: Test Windows platform by detecting LoadError when require 'win32/resolv' suggested by Nobuyoshi Nakada [ruby-core:53389]. [ruby-core:53388] [Feature #8090] Reported by Charles Nutter.

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History

#1 - 03/14/2013 09:22 AM - nobu (Nobuyoshi Nakada)

Why not try to require 'win32/resolv' and rescue?

#2 - 03/14/2013 10:55 AM - headius (Charles Nutter)

nobu (Nobuyoshi Nakada) wrote:

Why not try to require 'win32/resolv' and rescue?

Yep, that works too. The original logic does not do that, so I just expanded on the original condition. I don't have a strong preference for one way versus the other.

#3 - 03/14/2013 02:31 PM - nobu (Nobuyoshi Nakada)

=begin

Because we haven't considered the case {{{RUBY_PLATFORM}}} means somethings different from CPU and OS.

If you check by {{{RbConfig}}}, {{{RUBY_PLATFORM}}} is useless, so it should be:

```
require 'rbconfig' # loaded by rubygems in default
if /mswin|mingw|bccwin/ =~ ::RbConfig::CONFIG['target_os']
```

You should use '(%target_os%)' to see the running platform.

=end

#4 - 03/16/2013 02:01 AM - headius (Charles Nutter)

I thought host_os is the OS that we're *actually* running on, and target_os was the OS name Ruby was built for. Was I mistaken?

I like checking RbConfig::CONFIG alone, if we can decide which key to use.

#5 - 03/28/2013 04:29 PM - nobu (Nobuyoshi Nakada)

"host" has meanings when you build a cross-compiler. You build a compiler on "build" platform, which runs on "host" platform and generates code for "target" platform. So we don't need "host" almost, and often we tweaks "target" in configure.in.

#6 - 03/28/2013 10:09 PM - jonforums (Jon Forums)

nobu (Nobuyoshi Nakada) wrote:

"host" has meanings when you build a cross-compiler. You build a compiler on "build" platform, which runs on "host" platform and generates code for "target" platform. So we don't need "host" almost, and often we tweaks "target" in configure.in.

I have a different interpretation of the following docs, and also believe host_os, not target_os should be used (at runtime) to determine which OS Ruby is running on.

http://sourceware.org/autobook/autobook/autobook_260.html#SEC260

http://sourceware.org/autobook/autobook/autobook_261.html#SEC261

#7 - 03/28/2013 11:11 PM - akr (Akira Tanaka)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r39988.

Charles, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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- lib/resolv.rb: Test Windows platform by detecting LoadError when require 'win32/resolv' suggested by Nobuyoshi Nakada [[ruby-core:53389](#)]. [[ruby-core:53388](#)] [Feature [#8090](#)] Reported by Charles Nutter.