

## Ruby trunk - Feature #8090

### resolv.rb checks platform based on RUBY\_PLATFORM, which is insufficient for JRuby

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

<b>Status:</b>	Closed
<b>Priority:</b>	Normal
<b>Assignee:</b>	
<b>Target version:</b>	2.6
<b>Description</b>	
<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 <a href="https://github.com/jruby/jruby/issues/580">https://github.com/jruby/jruby/issues/580</a>.</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 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.

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

##### Revision 39988 - 03/28/2013 02:11 PM - akr (Akira Tanaka)

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### History

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#### #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 '(RbConfig::CONFIG['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:

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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_260.html#SEC260)

[http://sourceware.org/autobook/autobook/autobook\\_261.html#SEC261](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.

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