

Ruby - Bug #7311

DRb test suite fails when hostname cannot be reached

11/08/2012 11:03 PM - vo.x (Vit Ondruch)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:	seki (Masatoshi Seki)	
Target version:		
ruby -v:	ruby 2.0.0dev (2012-11-07 trunk 37538) [x86_64-linux]	

Description

=begin
I have set following hostname:

\$ hostname
dhcp-25-70

However, it cannot be reached:

\$ ping hostname
PING dhcp-25-70 (10.34.25.70) 56(84) bytes of data.
From dhcp-25-1 (10.34.25.1) icmp_seq=1 Destination Host Unreachable
From dhcp-25-1 (10.34.25.1) icmp_seq=2 Destination Host Unreachable
From dhcp-25-1 (10.34.25.1) icmp_seq=3 Destination Host Unreachable
From dhcp-25-1 (10.34.25.1) icmp_seq=4 Destination Host Unreachable

This causes that the DRb test suite fails:

TestDRbAry#test_01 = 3.16 s = E
TestDRbAry#test_02_collect = 3.01 s = E
TestDRbAry#test_03_redo = 3.01 s = E
TestDRbAry#test_05_break = 3.01 s = E
TestDRbAry#test_06_next = 3.01 s = E
TestDRbAry#test_07_break_18 = 3.01 s = E
TestDRbCore#test_00_DRbObject = 0.15 s = .
TestDRbCore#test_01 = 2.85 s = E
TestDRbCore#test_01_02_loop = 3.00 s = E
TestDRbCore#test_02_unknown = 3.01 s = F
TestDRbCore#test_03 = 0.16 s = .
TestDRbCore#test_04 = 0.16 s = .
TestDRbCore#test_05_eq = 0.15 s = .
TestDRbCore#test_06_timeout = 0.36 s = .
TestDRbCore#test_07_public_private_protected_missing = 0.16 s = .
TestDRbCore#test_08_here = 0.16 s = .
TestDRbCore#test_09_option = 0.16 s = .
TestDRbCore#test_10_yield = 1.70 s = E
TestDRbCore#test_10_yield_undumped = 3.17 s = E
TestDRbCore#test_11_remote_no_method_error = 0.16 s = .
TestDRbLarge#test_01_large_ary = 0.05 s = .
TestDRbLarge#test_02_large_ary = 0.06 s = .
TestDRbLarge#test_03_large_ary = 2.63 s = E
TestDRbLarge#test_04_many_arg = 0.05 s = .
TestDRbLarge#test_05_too_large_ary = 0.07 s = .
TestDRbMServer#test_01 = 2.88 s = E
TestDRbRuby18Yield#test_01_one = 0.00 s = .
TestDRbRuby18Yield#test_02_two = 0.00 s = .
TestDRbRuby18Yield#test_03_many = 0.00 s = .
TestDRbRuby18Yield#test_04_many_to_one = 0.00 s = .
TestDRbRuby18Yield#test_05_array_subclass = 0.00 s = .
TestDRbRuby18Yield#test_06_taint = 0.00 s = .
TestDRbRubyYield#test_01_one = 0.00 s = .
TestDRbRubyYield#test_02_two = 0.00 s = .

```

TestDRbRubyYield#test_03_many = 0.00 s = .
TestDRbRubyYield#test_04_many_to_one = 0.00 s = .
TestDRbRubyYield#test_05_array_subclass = 0.00 s = .
TestDRbRubyYield#test_06_taint = 0.00 s = .
TestDRbSSLary#test_01 = 3.09 s = E
TestDRbSSLary#test_02_collect = 3.01 s = E
TestDRbSSLary#test_03_redo = 3.01 s = E
TestDRbSSLary#test_05_break = 3.01 s = E
TestDRbSSLary#test_06_next = 3.01 s = E
TestDRbSSLary#test_07_break_18 = 3.01 s = E
TestDRbSSLCore#test_00_DRbObject = 0.20 s = .
TestDRbSSLCore#test_01 = 2.82 s = E
TestDRbSSLCore#test_01_02_loop = 0.22 s = .
TestDRbSSLCore#test_02_unknown = 0.20 s = .
TestDRbSSLCore#test_03 = 0.24 s = .
TestDRbSSLCore#test_04 = 0.21 s = .
TestDRbSSLCore#test_05_eq = 0.23 s = .
TestDRbSSLCore#test_06_timeout = 0.44 s = .
TestDRbSSLCore#test_07_public_private_protected_missing = 0.29 s = .
TestDRbSSLCore#test_08_here = 0.22 s = .
TestDRbSSLCore#test_09_option = 0.21 s = .
TestDRbSSLCore#test_10_yield = 0.75 s = E
TestDRbSSLCore#test_10_yield_undumped = 3.22 s = E
TestDRbSSLCore#test_11_remote_no_method_error = 0.24 s = .
TestDRbSafe1#test_01 = 0.15 s = .
TestDRbSafe1#test_02_collect = 2.60 s = E
TestDRbSafe1#test_03_redo = 3.01 s = E
TestDRbSafe1#test_05_break = 3.00 s = E
TestDRbSafe1#test_06_next = 3.01 s = E
TestDRbSafe1#test_07_break_18 = 3.01 s = E
TestDRbUNIXary#test_01 = 0.17 s = .
TestDRbUNIXary#test_02_collect = 2.84 s = E
TestDRbUNIXary#test_03_redo = 3.01 s = E
TestDRbUNIXary#test_05_break = 3.01 s = E
TestDRbUNIXary#test_06_next = 3.01 s = E
TestDRbUNIXary#test_07_break_18 = 3.01 s = E
TestDRbUNIXCore#test_00_DRbObject = 0.16 s = .
TestDRbUNIXCore#test_01 = 2.84 s = E
TestDRbUNIXCore#test_01_02_loop = 0.17 s = .
TestDRbUNIXCore#test_02_unknown = 0.16 s = .
TestDRbUNIXCore#test_03 = 0.17 s = .
TestDRbUNIXCore#test_04 = 0.16 s = .
TestDRbUNIXCore#test_05_eq = 0.16 s = .
TestDRbUNIXCore#test_06_timeout = 0.37 s = .
TestDRbUNIXCore#test_07_public_private_protected_missing = 0.17 s = .
TestDRbUNIXCore#test_08_here = 0.17 s = .
TestDRbUNIXCore#test_09_option = 0.17 s = .
TestDRbUNIXCore#test_10_yield = 1.29 s = E
TestDRbUNIXCore#test_10_yield_undumped = 3.17 s = E
TestDRbUNIXCore#test_11_remote_no_method_error = 0.17 s = .
TestDRbYield#test_01_one = 2.73 s = E
TestDRbYield#test_02_two = 3.01 s = E
TestDRbYield#test_03_many = 3.01 s = E
TestDRbYield#test_04_many_to_one = 3.01 s = E
TestDRbYield#test_05_array_subclass = 3.01 s = E
TestDRbYield#test_06_taint = 3.01 s = E

```

So there are two possible ways how to fix this issue.

- (1) Enforce usage of localhost in test suite (0001-Enforce-localhost-for-DRb-tests.patch). Unfortunately it appears it does not solve my issues completely under some (not so clear) circumstances.
- (2) Detect if hostname is associated with some IP address of my computer, otherwise fallback to localhost (0001-Fallback-to-localhost-if-hostname-is-not-associated-.patch). This resolves my issue completely.

BTW this test error later causes deadlock in TestProcess test suite [1], which is nasty :/

[1] https://github.com/ruby/ruby/blob/trunk/test/ruby/test_process.rb#L12

|=end

Associated revisions

Revision c1f78cc6850e0fcbffaa000273c3b6f33f975cb7 - 07/11/2013 05:24 AM - zzak (zzak _)

- test/drb/ut_eq.rb: Use localhost for drb tests [Bug #7311]
Patch by Vit Ondruch [ruby-core:49101]
- test/drb/ut_array.rb: ditto
- test/drb/ut_array_drbssl.rb: ditto

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@41916 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision c1f78cc6 - 07/11/2013 05:24 AM - zzak (zzak _)

- test/drb/ut_eq.rb: Use localhost for drb tests [Bug #7311]
Patch by Vit Ondruch [ruby-core:49101]
- test/drb/ut_array.rb: ditto
- test/drb/ut_array_drbssl.rb: ditto

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@41916 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 11/25/2012 12:15 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to seki (Masatoshi Seki)
- Target version set to 2.0.0

Seki-san, Urabe-san, Naruse-san, what do you think?

--

Yusuke Endoh mame@tsg.ne.jp

#2 - 02/19/2013 12:31 AM - mame (Yusuke Endoh)

- Target version changed from 2.0.0 to 2.6

Just an issue of test.

--

Yusuke Endoh mame@tsg.ne.jp

#3 - 02/19/2013 06:15 AM - vo.x (Vit Ondruch)

It is not just test suite issue. See 0001-Fallback-to-localhost-if-hostname-is-not-associated-patch

Although it is pretty minor issue, due to other bugs in Gnome 3, it forces me to reboot quite often :/ But anyway, it is not blocker.

#4 - 06/24/2013 08:49 PM - vo.x (Vit Ondruch)

Could somebody please review and apply the patches? They are just a few lines of code. Thanks

#5 - 07/11/2013 02:24 PM - zzak (zzak _)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r41916.

Vit, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

- test/drb/ut_eq.rb: Use localhost for drb tests [Bug [#7311](#)]
Patch by Vit Ondruch [[ruby-core:49101](#)]
- test/drb/ut_array.rb: ditto
- test/drb/ut_array_drbssl.rb: ditto

#6 - 07/11/2013 05:36 PM - vo.x (Vit Ondruch)

- Status changed from Closed to Open
- % Done changed from 100 to 50

Thanks for applying. However, there is also 0001-Fallback-to-localhost-if-hostname-is-not-associated-.patch attached, which does not look to be applied. Could you please review? Thanks.

#7 - 07/11/2013 10:58 PM - zzak (zzak _)

- Status changed from Open to Assigned

I don't like the patch, maybe seki-san can review it.

seki: please check 0001-Fallback-to-localhost-if-hostname-is-not-associated-.patch

#8 - 12/25/2017 06:15 PM - naruse (Yui NARUSE)

- Target version deleted (2.6)

#9 - 08/15/2019 01:56 AM - jeremyevans0 (Jeremy Evans)

- Status changed from Assigned to Closed

I also think the 0001-Fallback-to-localhost-if-hostname-is-not-associated-.patch is a bad approach. We should not force localhost if the hostname given is not associated with an IP address. That sounds like a issue that should be reported to the user via an exception.

Files

0001-Enforce-localhost-for-DRb-tests.patch	1.66 KB	11/08/2012	vo.x (Vit Ondruch)
0001-Fallback-to-localhost-if-hostname-is-not-associated-.patch	718 Bytes	11/08/2012	vo.x (Vit Ondruch)