

## Ruby master - Feature #4788

### resolv.rb refactoring

05/27/2011 05:01 PM - metanest (Makoto Kishimoto)

<b>Status:</b>	Closed
<b>Priority:</b>	Normal
<b>Assignee:</b>	akr (Akira Tanaka)
<b>Target version:</b>	2.6
<b>Description</b> [https://github.com/ioquatix/rubydns/blob/master/lib/rubydns/resolv.rb#3835] [ruby-core:32407] resolv.rb	
<pre>diff --git a/lib/resolv.rb b/lib/resolv.rb index 1e18893..e9c2432 100644 --- a/lib/resolv.rb +++ b/lib/resolv.rb @@ -491,6 +491,12 @@ class Resolv # #getresource for argument details.  def each_resource(name, typeclass, &amp;proc)    • each_resource_(name, typeclass) {  reply, reply_name    • extract_resources(reply, reply_name, typeclass, &amp;proc)   • }   • end +   • def each_resource_(name, typeclass) lazy_initialize requester = make_udp_requester senders = {} @@ -517,7 +523,7   • @@ class Resolv # response will not fit in an untruncated UDP packet. redo else   • extract_resources(reply, reply_name, typeclass, &amp;proc)   • yield(reply, reply_name) end return when RCode::NXDomain</pre>	

#### Associated revisions

##### Revision 4c1e9722 - 04/06/2013 01:16 PM - akr (Akira Tanaka)

- lib/resolv.rb (Resolv::DNS.fetch\_resource): New method to obtain full result. [ruby-dev:43587] [Feature #4788] proposed by Makoto Kishimoto.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@40159 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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**History**

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**#1 - 05/30/2011 06:50 AM - metanest (Makoto Kishimoto)**

each\_resource\_ fetch\_resource

**#2 - 06/28/2011 06:24 AM - nahi (Hiroshi Nakamura)**

- Assignee set to akr (Akira Tanaka)

**#3 - 07/10/2011 12:21 AM - ioquatix (Samuel Williams)**

I have a vested interest in this patch since I am the developer of RubyDNS. This update will allow RubyDNS to hook into resolve.rb more efficiently. Right now, I have to duplicate code in resolve.rb to get the right behaviour.

Also, I originally suggested then name fetch\_resource and thus I support Makoto Kishimoto's proposal about this change.

Lets work to get this updated so that I can add good support for RubyDNS and Ruby 1.9.

Thanks.

**#4 - 07/10/2011 03:38 PM - naruse (Yui NARUSE)**

- Target version changed from 1.9.3 to 2.0.0

**#5 - 07/14/2011 03:46 PM - metanest (Makoto Kishimoto)**

- File resolv\_rb\_patch.txt added

**#6 - 08/02/2011 10:53 PM - akr (Akira Tanaka)**

2011/5/27 Makoto Kishimoto [redmine@ruby-lang.org](mailto:redmine@ruby-lang.org):

[https://github.com/ioquatix/rubydns/blob/master/lib/rubydns/resolv\\_rb#3835](https://github.com/ioquatix/rubydns/blob/master/lib/rubydns/resolv_rb#3835) [ruby-core:32407] resolv.rb

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[Tanaka Akira]

**#7 - 08/03/2011 10:54 AM - metanest (Makoto Kishimoto)**

lib/resolv.rb TCP make\_requester --> make\_udp\_requester

make\_requester rubydns DNS#each\_resource DNS each\_resource duplicate

extract\_resources duplicate

fetch\_resource

```
--- resolv.rb.orig 2011-05-27 18:15:59.000000000 +0900
+++ resolv.rb 2011-08-03 10:38:43.000000000 +0900
@@ -24,6 +24,13 @@
# This allows such responses to be passed upstream with little or no
# modification/reinterpretation.
def query(name, typeclass)
```

- if respond\_to?(:fetch\_resource) then
- fetch\_resource(name, typeclass) do |reply, reply\_name|
- return reply, reply\_name
- end
- return
- end + lazy\_initialize requester = make\_requester senders = {}

#### #8 - 10/21/2011 11:04 AM - ioquatix (Samuel Williams)

It would be nice to get some movement on this - I'm getting bug reports from people trying to use 1.9.x and RubyDNS.

Kind regards,  
Samuel

#### #9 - 03/18/2012 06:46 PM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Assigned

#### #10 - 03/28/2012 07:39 PM - ioquatix (Samuel Williams)

Hi, still having users with problems and no consistent way to solve it. Merging this patch would be a great addition. Let me know if you require any further support or have any questions.

#### #11 - 03/29/2012 10:51 AM - ioquatix (Samuel Williams)

Here is a translation into English for the most recent message from Makoto:

The original problem is that 'lib/resolv.rb' had a fallback to TCP which was broken. There was a patch ([#3835](#)) which renamed 'make\_requester' to 'make\_udp\_requester'. This is not a public interface so the code which depended on it stopped working.

However, the reason why RubyDNS depended on such a method is because the high level interface performs breaks the response up into individual records but we are actually interested in the response in its entirety. This is specifically a problem when creating a DNS proxy where you want to forward requests with minimal changes. Duplicating the code for each\_resource was unavoidable in the implementation of RubyDNS.

As in the patch provided by Makoto, code duplication can be reduced by removing the direct connection between each\_resource and fetch\_resource, and providing a block to be executed per successful response.

A second patch shows how RubyDNS can be simplified once the proposed change is applied.

#### #12 - 06/11/2012 08:55 PM - ioquatix (Samuel Williams)

Hi, still waiting for some progress on this issue. Lots of people are bugging me about it.

#### #13 - 07/16/2012 10:42 PM - ioquatix (Samuel Williams)

*Bump*

#### #14 - 07/17/2012 08:57 AM - shyouhei (Shyouhei Urabe)

[ioquatix \(Samuel Williams\)](#) isn't the only one who's interested in it (read: me too).

#### #15 - 10/28/2012 11:13 PM - akr (Akira Tanaka)

- Target version changed from 2.0.0 to 2.6

#### #16 - 04/06/2013 10:16 PM - akr (Akira Tanaka)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r40159.  
Makoto, 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 (Resolv::DNS.fetch\_resource): New method to obtain full result. [ruby-dev:43587] [Feature [#4788](#)] proposed by Makoto Kishimoto.

**#17 - 05/09/2014 11:19 PM - ioquatix (Samuel Williams)**

I'm happy to see this has been completed. I just thought I'd mention that I reimplemented the DNS resolver in RubyDNS using EventMachine as I couldn't wait for this bug fix. The new EventMachine resolver is asynchronous which makes it useful in the event driven server, such as the one in RubyDNS. Thanks for everyone's effort getting this bug resolved.

**Files**

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resolv_rb_patch.txt	823 Bytes	05/27/2011	metanest (Makoto Kishimoto)
resolv_rb_patch.txt	823 Bytes	07/14/2011	metanest (Makoto Kishimoto)