**Ruby master - Feature #17187**

**Add connect_timeout to TCPSocket**

09/25/2020 11:17 AM - Glass_saga (Masaki Matsushita)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Glass_saga (Masaki Matsushita)</td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
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</tbody>
</table>

**Description**

Add connect_timeout to TCPSocket.new in the same way as Socket.tcp.

```
TCPSocket.new("192.0.2.1", 1234, connect_timeout: 1) #=> raise Errno::ETIMEDOUT
```

**Related issues:**

- Related to Ruby master - Feature #16381: Accept resolv_timeout in Net::HTTP Open
- Related to Ruby master - Feature #17134: Add resolv_timeout to TCPSocket Open

**Associated revisions**

Revision 5d8bcc48 - 12/07/2020 04:33 AM - Glass_saga (Masaki Matsushita)

Revert getaddrinfo_a()

getaddrinfo_a() gets stuck after fork(). To avoid this, we need 1 second sleep to wait for internal worker threads of getaddrinfo_a() to be finished, but that is unacceptable.

[Bug #17220] [Feature #17134] [Feature #17187]

Revision 78f18852 - 12/10/2020 11:52 AM - Glass_saga (Masaki Matsushita)

Add connect_timeout to TCPSocket

Add connect_timeout to TCPSocket.new in the same way as Socket.tcp.

Closes [Feature #17187]

Revision 1ffb267c - 12/29/2020 06:52 AM - Glass_saga (Masaki Matsushita)

Fix compile error of sockssocket

The patch is provided by PhobosK (Phobos Kappa).

This should be backported to Ruby 3.0.

[Feature #17187]

Revision 21340303 - 01/24/2021 09:33 AM - Glass_saga (Masaki Matsushita)

Fix compile error of sockssocket

The patch is provided by PhobosK (Phobos Kappa).

This should be backported to Ruby 3.0.

[Feature #17187]

**History**

#1 - 09/25/2020 11:21 AM - Glass_saga (Masaki Matsushita)

Pull Request: https://github.com/ruby/ruby/pull/3585

#2 - 09/25/2020 11:21 AM - Glass_saga (Masaki Matsushita)

- Related to Feature #16381: Accept resolv_timeout in Net::HTTP added

#3 - 09/25/2020 11:21 AM - Glass_saga (Masaki Matsushita)
- Related to Feature #17134: Add resolv_timeout to TCPSocket added

#4 - 10/26/2020 05:00 AM - akr (Akira Tanaka)
document?

#5 - 10/26/2020 05:00 AM - matz (Yukihiro Matsumoto)
Accepted.
Matz.

#6 - 10/27/2020 02:20 PM - Glass_saga (Masaki Matsushita)
- Assignee set to Glass_saga (Masaki Matsushita)
- Status changed from Open to Assigned

#7 - 12/10/2020 09:10 AM - naruse (Yui NARUSE)
- Target version deleted (3.0)

#8 - 12/10/2020 11:55 AM - Glass_saga (Masaki Matsushita)
- Status changed from Assigned to Closed

Applied in changeset git|78f188524f551c97b1a7a44ae13514729f1a21c7.

Add connect_timeout to TCPSocket

Add connect_timeout to TCPSocket.new in the same way as Socket.tcp.

Closes [Feature #17187]

#9 - 12/28/2020 02:53 PM - PhobosK (Phobos Kappa)
- File ruby3-socksocket-fix.patch added

You forgot to add the new parameter connect_timeout to the return statement of the function socks_init in sockssocket.c. Thus the now available official sources of Ruby 3.0.0 cannot compile when sockets are enabled giving the error:

x86_64-pc-linux-gnu-gcc -I. -I../../.ext/include/x86_64-linux -I../../.include -I../../.ext/socket -I../../. -I../../. -DRUBY_EXTCONF_H="extconf.h" -fPIC -march=native -O2 -pipe -fno-strict-aliasing -fPIC -o sockssocket.o -c sockssocket.c
sockssocket.c: In function `socks_init':
sockssocket.c:37:12: error: too few arguments to function `rsock_init_inetsock'
37 |   return rsock_init_inetsock(sock, host, port, Qnil, Qnil, INET_SOCKS, Qnil);
|         ^~~~~~~~~~~~~~~~~~~
In file included from sockssocket.c:11:
rubysocket.h:349:7: note: declared here
349 |   VALUE rsock_init_inetsock(VALUE sock, VALUE remote_host, VALUE remote_serv, VALUE local_host, VALUE local_serv, int type, VALUE resolv_timeout, VALUE connect_timeout);
| ^~~~~~~~~~~~~~~~~~~~~~~~
make[2]: *** [Makefile:262: sockssocket.o] Error 1
make[2]: Leaving directory '/dev/shm/portage/dev-lang/ruby-3.0.0/work/ruby-3.0.0/ext/socket'
make[1]: Leaving directory '/dev/shm/portage/dev-lang/ruby-3.0.0/work/ruby-3.0.0'
make[3]: *** [uncommon.mk:300: build-ext] Error 2

I dunno if something else is missing also, but adding the Qnil as last parameter in line 37 of ext/socket/sockssocket.c

return rsock_init_inetsock(sock, host, port, Qnil, Qnil, INET_SOCKS, Qnil, Qnil);

fixes at least the compilation....

Thanks.

Great work BTW :)

#10 - 12/29/2020 06:56 AM - Glass_saga (Masaki Matsushita)
PhobosK (Phobos Kappa)

Many thanks for reporting the issue!
I merged your patch.

<table>
<thead>
<tr>
<th>Files</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
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<tbody>
<tr>
<td>connect_timeout.patch</td>
<td>8.93 KB</td>
<td>09/25/2020</td>
<td>Glass_saga (Masaki Matsushita)</td>
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<td>ruby3-socksocket-fix.patch</td>
<td>361 Bytes</td>
<td>12/28/2020</td>
<td>PhobosK (Phobos Kappa)</td>
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