# Ruby master - Feature #17187

## Add connect_timeout to TCPSocket

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

<table>
<thead>
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<th>Status:</th>
<th>Closed</th>
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<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Glass_saga (Masaki Matsushita)</td>
</tr>
<tr>
<td>Target version:</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](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)**
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../../include -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.

**Files**

<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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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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