Unable to run tests for different builds due fixed port for Net::HTTPS

Status: Closed
Priority: Normal
Assignee: naruse (Yui NARUSE)
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2012-07-21 trunk 36487) [x64-mingw32]

Description
=begin
Hello,

I found that (`test_https.rb`) uses a fixed port number to run its tests, which results in failures due `Errno::EADDRINUSE` sometimes due clash with another build in my system:

20) Error:
   test_verify_none(TestNetHTTPS):
   `Errno::EADDRINUSE: Only one usage of each socket address (protocol/network address/port) is normally permitted. - bind(2)`
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in initialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:innew'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in block in create_listeners'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:82:ineach'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:82:in create_listeners'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/ssl.rb:88:inlisten'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/server.rb:70:in initialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/httpserver.rb:45:ininitialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/test/net/http/utils.rb:30:in 'setup'

21) Error:
   test_timeout_during_SSL_handshake(TestNetHTTPS):
   `Errno::EADDRINUSE: Only one usage of each socket address (protocol/network address/port) is normally permitted. - bind(2)`
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in initialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:innew'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in block in create_listeners'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:82:ineach'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:82:in create_listeners'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/ssl.rb:88:inlisten'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/server.rb:70:in initialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/httpserver.rb:45:ininitialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/test/net/http/utils.rb:30:in 'setup'

22) Error:
   test_post(TestNetHTTPS):
   `Errno::EADDRINUSE: Only one usage of each socket address (protocol/network address/port) is normally permitted. - bind(2)`
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in initialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:innew'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in block in create_listeners'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:82:ineach'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:82:in create_listeners'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/ssl.rb:88:inlisten'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/server.rb:70:in initialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/httpserver.rb:45:ininitialize'
   C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/test/net/http/utils.rb:30:in 'setup'
23) Error:
test_identity_verify_failure(TestNetHTTPS):
Errno::EADDRINUSE: Only one usage of each socket address (protocol/network address/port) is normally permitted. - bind(2)
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in initialize'
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in new'
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:85:in block in create_listeners'
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:82:in each'
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:82:in create_listeners'
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/utils.rb:88:in listen'
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/server.rb:70:in initialize'
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/lib/webrick/httpserver.rb:45:in initialize'
C:/Users/Worker/Jenkins/workspace/git-ruby-trunk/test/net/http/util.rb:30:in `setup'

You can see the full log here:
http://ci.rubyinstaller.org/job/test-ruby-trunk-x64/15/console

I would like to suggest port configuration can be randomized based on Process.pid, that way avoiding clashes between two builds being executed at the same time.

Thoughts?
=end

Related issues:
Related to Ruby master - Bug #6959: Net/HTTPS tests: fixed port usage cause i...
Associated revisions
Revision 47837da - 07/21/2012 07:07 PM - naruse (Yui NARUSE)
Use 0 for webrick's port and get the actual port. [Bug #6766]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@36491 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 36491 - 07/21/2012 07:07 PM - naruse (Yui NARUSE)
Use 0 for webrick's port and get the actual port. [Bug #6766]
Revision 36491 - 07/21/2012 07:07 PM - naruse (Yui NARUSE)
Use 0 for webrick's port and get the actual port. [Bug #6766]

Revision 36491 - 07/21/2012 07:07 PM - naruse (Yui NARUSE)
Use 0 for webrick's port and get the actual port. [Bug #6766]

Revision 36491 - 07/21/2012 07:07 PM - naruse (Yui NARUSE)
Use 0 for webrick's port and get the actual port. [Bug #6766]

Revision 36491 - 07/21/2012 07:07 PM - naruse (Yui NARUSE)
Use 0 for webrick's port and get the actual port. [Bug #6766]

Revision 36491 - 07/21/2012 07:07 PM - naruse (Yui NARUSE)
Use 0 for webrick's port and get the actual port. [Bug #6766]

Revision 36877 - 09/01/2012 08:46 PM - naruse (Yui NARUSE)
Use 0 as port like #6766 [Bug #6959]

Revision 36877 - 09/01/2012 08:46 PM - naruse (Yui NARUSE)
Use 0 as port like #6766 [Bug #6959]

Revision 36877 - 09/01/2012 08:46 PM - naruse (Yui NARUSE)
Use 0 as port like #6766 [Bug #6959]

Revision 36877 - 09/01/2012 08:46 PM - naruse (Yui NARUSE)
Use 0 as port like #6766 [Bug #6959]

Revision 36877 - 09/01/2012 08:46 PM - naruse (Yui NARUSE)
Use 0 as port like #6766 [Bug #6959]

Revision 36877 - 09/01/2012 08:46 PM - naruse (Yui NARUSE)
Use 0 as port like #6766 [Bug #6959]

Revision d3216922 - 11/15/2012 06:15 AM - usa (Usaku NAKAMURA)
merge revision(s) 36491,36877: [Backport #7320]

Use 0 for webrick's port and get the actual port. [Bug #6766]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@37659 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History
#1 - 07/22/2012 04:07 AM - naruse (Yui NARUSE)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r36491.
Luis, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

Use 0 for webrick's port and get the actual port. [Bug #6766]