

Backport187 - Backport #5664

Webrick broken FD_CLOEXEC

11/23/2011 06:03 PM - candlerb (Brian Candler)

Status:	Closed
Priority:	Normal
Assignee:	shyouhei (Shyouhei Urabe)
Description	
<pre>ruby-1.8.7-p352 \$ grep -R CLOEXEC . ./ext/fcntl/fcntl.c: * - FD_CLOEXEC - the value of the close-on-exec flag. ./ext/fcntl/fcntl.c:#ifdef FD_CLOEXEC ./ext/fcntl/fcntl.c: rb_define_const(mFcntl, "FD_CLOEXEC", INT2NUM(FD_CLOEXEC)); ./lib/drbrb.rb: soc.fcntl(Fcntl::F_SETFD, Fcntl::FD_CLOEXEC) if defined? Fcntl::FD_CLOEXEC ./lib/drbrb/unix.rb: soc.fcntl(Fcntl::F_SETFL, Fcntl::FD_CLOEXEC) if defined? Fcntl::FD_CLOEXEC ./lib/resolv.rb: sock.fcntl(Fcntl::F_SETFD, Fcntl::FD_CLOEXEC) if defined? Fcntl::F_SETFD ./lib/resolv.rb: sock.fcntl(Fcntl::F_SETFD, Fcntl::FD_CLOEXEC) if defined? Fcntl::F_SETFD ./lib/resolv.rb: sock.fcntl(Fcntl::F_SETFD, Fcntl::FD_CLOEXEC) if defined? Fcntl::F_SETFD ./lib/webrick/utis.rb: if defined?(Fcntl::FD_CLOEXEC) ./lib/webrick/utis.rb: io.fcntl(Fcntl::FD_CLOEXEC, 1)</pre>	
<p>There you can see lots of examples of FD_CLOEXEC being used correctly: fcntl (command F_SETFD, value FD_CLOEXEC)</p>	
<p>But in the last line, Webrick is calling fcntl wrongly: it is calling command FD_CLOEXEC with value 1 !! So what it's actually calling is command F_GETFD, which does nothing.</p>	
<pre>Fcntl.constants.select { x Fcntl.const_get(x) == Fcntl::FD_CLOEXEC } => ["F_GETFD", "FD_CLOEXEC", "O_WRONLY", "F_RDLCK"]</pre>	
<p>I have checked this in the latest 1.8.7-p352 source too, and it's the same there.</p>	

History

#1 - 11/23/2011 10:27 PM - akr (Akira Tanaka)

- ruby -v changed from ruby 1.8.7 (2010-08-16 patchlevel 302) [x86_64-linux] to -

2011/11/23 Brian Candler b.candler@pobox.com:

Bug #5664: Webrick broken FD_CLOEXEC
<http://redmine.ruby-lang.org/issues/5664>

```
./lib/drbrb/unix.rb:  soc.fcntl(Fcntl::F_SETFL, Fcntl::FD_CLOEXEC) if defined? Fcntl::FD_CLOEXEC
```

```
./lib/webrick/utis.rb:  io.fcntl(Fcntl::FD_CLOEXEC, 1)
```

There you can see lots of examples of FD_CLOEXEC being used correctly: fcntl (command F_SETFD, value FD_CLOEXEC)

But in the last line, Webrick is calling fcntl wrongly: it is calling command FD_CLOEXEC with value 1 !! So what it's actually calling is command F_GETFD, which does nothing.

I fixed them (not only webrick/utis.rb but also drbrb/unix.rb) at r33611 for trunk and 1.8 branch.

It seems not backported yet.

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Tanaka Akira

#2 - 11/23/2011 10:28 PM - naruse (Yui NARUSE)

- Tracker changed from Bug to Backport

- Project changed from Ruby 1.8 to Backport187

- Status changed from Open to Assigned

- Assignee set to shyouhei (Shyouhei Urabe)

#3 - 12/21/2016 05:14 AM - shyouhei (Shyouhei Urabe)

- Status changed from Assigned to Closed