

Ruby trunk - Bug #7183

Resolv::DNS::getresources throws Errno::EACCES: Permission denied - bind(2) on solaris

10/18/2012 09:47 PM - frank_meier (Frank Meier)

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|--|---|------------------|
| Status: | Closed | |
| Priority: | Normal | |
| Assignee: | akr (Akira Tanaka) | |
| Target version: | 2.6 | |
| ruby -v: | ruby 1.9.2p180 (2011-02-18 revision 30909) [i386-solaris2.10] | Backport: |
| Description | | |
| <p>we have ruby running on Solaris. sometimes one of our tools fails with exception Errno::EACCES while calling Resolv::DNS::getresources. This only happens one out of thousands of times the tool is used. After looking into lib/resolv.rb I saw, there is an optimistic loop in bind_random_port(), which looks to me it is thought of the possibility that a unusable port is selected (one that is used by another process), and if that happens it is tried again. Unfortunately it is only done when the exception is Errno::EADDRINUSE, what might be correct in Linux, but not Solaris (Sol10u6).</p> <p>I propose to add Errno::EACCESS to the raise statement. Maybe a retry count limit as well:</p> <pre>def self.bind_random_port(udpsock, bind_host="0.0.0.0") # :nodoc: begin count += 1 port = rangerand(1024..65535) udpsock.bind(bind_host, port) rescue Errno::EADDRINUSE, Errno::EACCESS => e if count < 10 retry else raise e end end end</pre> | | |

Associated revisions

Revision dc5b184b - 04/04/2013 02:55 PM - akr (Akira Tanaka)

- lib/resolv.rb (bind_random_port): Rescue EACCES for SunOS. bind() on SunOS for port 2049 (nfs) and 4045 (lockd) causes EACCES with unprivileged process. cf. PRIV_SYS_NFS in privileges(5) [ruby-core:48064] [Bug #7183] reported by Frank Meier.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@40112 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 40112 - 04/04/2013 02:55 PM - akr (Akira Tanaka)

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History

#1 - 11/05/2012 09:52 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to akr (Akira Tanaka)
- Target version changed from 1.9.3 to 2.0.0

Akr-san, could you check this?

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Yusuke Endoh mame@tsg.ne.jp

#2 - 02/19/2013 12:09 AM - mame (Yusuke Endoh)

- Target version changed from 2.0.0 to 2.6

#3 - 04/04/2013 11:55 PM - akr (Akira Tanaka)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset [r40112](#).

Frank, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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