

Ruby - Bug #5524

IO.wait_for_single_fd(closed fd) sticks on other than Linux

10/31/2011 09:31 PM - naruse (Yui NARUSE)

Status:	Closed	
Priority:	Normal	
Assignee:	naruse (Yui NARUSE)	
Target version:		
ruby -v:	-	Backport:
Description		
r31428 リンクtest_wait_for_invalid_fd が失敗する IO.wait_for_single_fd(closeしたfd) が EBADF で失敗する FreeBSD では問題ない		
test-all でも問題ない		
<pre>% cat poll.c #include <stdio.h> #include <stdlib.h> #include <poll.h> #include <errno.h> int main(void) { int pipes[2]; int res = pipe(pipes); if (res != 0) abort(); int r = pipes[0]; int w = pipes[1]; res = close(w); if (res != 0) abort(); struct pollfd fds; fds.fd = w; fds.events = POLLOUT; errno = 0; res = poll(&fds, 1, 1000); fprintf(stderr, "%d %d %d\n", res, errno, fds.revents); return 0; }</pre>		
POLLVAL が失敗		
<pre>#include <stdio.h> #include <stdlib.h> #include <sys/select.h> int main(void) { int pipes[2]; int res = pipe(pipes); if (res != 0) abort(); int r = pipes[0]; int w = pipes[1]; res = close(w); if (res != 0) abort(); fd_set readfds; FD_ZERO(&readfds); fd_set writefds; FD_ZERO(&writefds); fd_set exceptfds; FD_ZERO(&exceptfds); //struct timeval *timeout = NULL; //FD_SET(r, &readfds); FD_SET(w, &writefds);</pre>		

```
res = select(1, &readfds, &writefds, &exceptfds, NULL);
return 0;
}

-----Linux-----
```

Associated revisions

Revision 3d855def - 11/08/2011 05:13 PM - naruse (Yui NARUSE)

FreeBSD 8.2 sticks this [ruby-dev:44726] [Bug #5524]

<http://redmine.ruby-lang.org/issues/5524>

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33677 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 11/01/2011 02:53 AM - kosaki (Motohiro KOSAKI)

- ruby -v changed from ruby 2.0.0dev (2011-10-31 trunk 33582) [x86_64-freebsd9.0] to -

r31428 フィルタ test_wait_for_invalid_fd ディレクトリ

IO.wait_for_single_fd(close フィルタ fd) フィルタ EBADF フィルタ

----- FreeBSD -----

test-all-----

Mac-----

```
% cat poll.c
#include <stdio.h>
#include <stdlib.h>
#include <poll.h>
#include <errno.h>
int
main(void) {
int pipes[2];
int res = pipe(pipes);
if (res != 0) abort();
int r = pipes[0];
int w = pipes[1];
res = close(w);
if (res != 0) abort();

struct pollfd fds;
fds.fd = w;
fds.events = POLLOUT;
errno = 0;
res = poll(&fds, 1, 1000);
fprintf(stderr, "%d %d %d\n", res, errno, fds.revents);
return 0;
}
```

----- POLLVAL -----

POLLVAL-----poll -----Linux-----

```
#include <stdio.h>
#include <stdlib.h>
#include <sys/select.h>
int
main(void) {
int pipes[2];
int res = pipe(pipes);
if (res != 0) abort();
int r = pipes[0];
int w = pipes[1];
```

```

res = close(w);
if (res != 0) abort();
fd_set readfds; FD_ZERO(&readfds);
fd_set writefds; FD_ZERO(&writefds);
fd_set exceptfds; FD_ZERO(&exceptfds);
//struct timeval *timeout = NULL;
//FD_SET(r, &readfds);
FD_SET(w, &writefds);
res = select(1, &readfds, &writefds, &exceptfds, NULL);
return 0;
}

```

Linux

SUS EBADF FreeBSD

<http://pubs.opengroup.org/onlinepubs/7908799/xsh/select.html>

FreeBSD

#2 - 11/09/2011 01:40 AM - kosaki (Motohiro KOSAKI)

select(maxfds) FreeBSD

```

~/projects/test/select_ebadf% diff -u select_badf.c.orig select_badf.c
diff -u select_badf.c.orig select_badf.c
--- select_badf.c.orig 2011-11-08 11:33:44.000000000 -0500
+++ select_badf.c 2011-11-08 11:38:26.000000000 -0500
@@@ -3,6 +3,8 @@
#include <sys/select.h>
#include <unistd.h>

+##define max(x,y) ((x > y) ? x : y)
+
int
main(void) {
int pipes[2];
@@@ -18,7 +20,8 @@
//struct timeval *timeout = NULL;
//FD_SET(r, &readfds);
FD_SET(w, &writefds);

• res = select(1, &readfds, &writefds, &exceptfds, NULL);

• res = select(max(r,w)+1, &readfds, &writefds, &exceptfds, NULL);
• return 0;
}

```

#3 - 11/09/2011 01:40 AM - kosaki (Motohiro KOSAKI)

- Status changed from Assigned to Feedback
- Assignee changed from kosaki (Motohiro KOSAKI) to naruse (Yui NARUSE)

#4 - 11/09/2011 02:10 AM - naruse (Yui NARUSE)

Motohiro KOSAKI wrote:

select(maxfds) FreeBSD

FreeBSD FreeBSD
<http://www.freebsd.org/cgi/query-pr.cgi?pr=162379>

#5 - 11/09/2011 02:13 AM - naruse (Yui NARUSE)

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

This issue was solved with changeset r33677.
Yui, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

FreeBSD 8.2 sticks this [ruby-dev:44726] [Bug #5524]
<http://redmine.ruby-lang.org/issues/5524>