

Ruby - Bug #2992

File operations leak file handles in Windows XP

03/21/2010 05:34 AM - phiggins (Pete Higgins)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:	usa (Usaku NAKAMURA)	
Target version:	1.9.2	
ruby -v:	ruby 1.9.1p378 (2010-01-10 revision 26273) [i386-mingw32]	
Description		
<pre>=begin</pre> Various operations on files leak file handles in Windows XP. In the two attached scripts, Task Manager will report ~30 open file handles for the ruby process at the first gets, then ~230 at the second gets. This has only been reproducible in Windows XP. This behavior is not seen in Windows Vista or 7. More discussion of this issue occurred on the RubyInstaller mailing list in this thread: http://groups.google.com/group/rubyinstaller/browse_thread/thread/85ddec7241b4f0f7 <pre>=end</pre>		

History

#1 - 03/24/2010 11:41 AM - phasis68 (Heesob Park)

=begin

After some inspection, I found this leakage is not file handle but event handle.
When ReadFile fails with EOF, it returns without closing event handle.

Here is a patch for trunk verion ruby 1.9.2dev (2010-03-24 trunk 27027)

```
--- win32.c    2010-03-24 11:24:43.149695643 +0900
+++ win32.c.new 2010-03-24 11:26:44.522700645 +0900
@@ -4887,6 +4887,7 @@ @@
 if (!ReadFile((HANDLE)_osfhnd(fd), buf, size, &read, pol)) {
   err = GetLastError();
   if (err != ERROR_IO_PENDING) {
     •
       if (err == ERROR_ACCESS_DENIED)
         errno = EBADF;
       else if (err == ERROR_BROKEN_PIPE || err == ERROR_HANDLE_EOF) {
```

=end

#2 - 03/24/2010 05:32 PM - yugui (Yuki Sonoda)

- Assignee set to usa (Usaku NAKAMURA)

=begin

=end

#3 - 03/24/2010 05:35 PM - yugui (Yuki Sonoda)

- Target version set to 1.9.2

=begin

=end

#4 - 03/25/2010 02:57 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

- % Done changed from 0 to 100

=begin
This issue was solved with changeset r27042.
Pete, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end

Files

test_md5.rb	272 Bytes	03/21/2010	phiggins (Pete Higgins)
test_file_read.rb	415 Bytes	03/21/2010	phiggins (Pete Higgins)