

Ruby trunk - Bug #11172

Windows mode: ab+
File::APPEND|File::CREAT|File::RDWR|File::BINARY

05/23/2015 03:23 PM - naruse (Yui NARUSE)

Status: Closed	
Priority: Normal	
Assignee: usa (Usaku NAKAMURA)	
Target version:	
ruby -v:	Backport: 2.0.0: REQUIRED, 2.1: DONE, 2.2: DONE

Description

Windows
File::APPEND|File::CREAT|File::RDWR|File::BINARY

Unix
a+_open

```
diff --git a/win32/win32.c b/win32/win32.c
index 55e0d2e..57d9df4 100644
--- a/win32/win32.c
+++ b/win32/win32.c
@@ -6476,12 +6476,16 @@ rb_w32_close(int fd)
 }

 static int
-setup_overlapped(OVERLAPPED *ol, int fd)
+setup_overlapped(OVERLAPPED *ol, int fd, int iswrite)
 {
     memset(ol, 0, sizeof(*ol));
     if (!(_osfile(fd) & (FDEV | FPIPE))) {
         LONG high = 0;
-        DWORD method = _osfile(fd) & FAPPEND ? FILE_END : FILE_CURRENT;
+        /* On mode:a, it can write only FILE_END.
+         * On mode:a+, though it can write only FILE_END,
+         * it can read from everywhere.
+         */
+        DWORD method = ((_osfile(fd) & FAPPEND) && iswrite) ? FILE_END : FILE_CURRENT;
         DWORD low = SetFilePointer((HANDLE)_osfhnd(fd), 0, &high, method);
         #ifndef INVALID_SET_FILE_POINTER
         #define INVALID_SET_FILE_POINTER ((DWORD)-1)
@@ -6578,7 +6582,7 @@ rb_w32_read(int fd, void *buf, size_t size)

         /* if have cancel_io, use Overlapped I/O */
         if (cancel_io) {
-            if (setup_overlapped(&ol, fd)) {
+            if (setup_overlapped(&ol, fd, FALSE)) {
                 rb_acrt_lowio_unlock_fh(fd);
                 return -1;
             }
@@ -6708,7 +6712,7 @@ rb_w32_write(int fd, const void *buf, size_t size)

         /* if have cancel_io, use Overlapped I/O */
         if (cancel_io) {
-            if (setup_overlapped(&ol, fd)) {
+            if (setup_overlapped(&ol, fd, TRUE)) {
                 rb_acrt_lowio_unlock_fh(fd);
                 return -1;
             }
 }
```

Associated revisions

Revision 16b551fe - 06/09/2015 07:25 AM - usa (Usaku NAKAMURA)

merge revision(s) 50637: [Backport #11172]

```
* win32/win32.c (setup_overlapped): seek to the file end only when
writing (mode:a), not reading (mode:a+, read).
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@50806 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 50806 - 06/09/2015 07:25 AM - usa (Usaku NAKAMURA)

merge revision(s) 50637: [Backport #11172]

```
* win32/win32.c (setup_overlapped): seek to the file end only when
writing (mode:a), not reading (mode:a+, read).
```

Revision 61ed7934 - 06/11/2015 04:14 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 50637: [Backport #11172]

```
* win32/win32.c (setup_overlapped): seek to the file end only when
writing (mode:a), not reading (mode:a+, read).
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@50836 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 50836 - 06/11/2015 04:14 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 50637: [Backport #11172]

```
* win32/win32.c (setup_overlapped): seek to the file end only when
writing (mode:a), not reading (mode:a+, read).
```

History

#1 - 05/24/2015 03:41 PM - usa (Usaku NAKAMURA)

commit

#2 - 05/25/2015 02:26 AM - naruse (Yui NARUSE)

- Description updated

#3 - 05/25/2015 06:23 AM - usa (Usaku NAKAMURA)

- Status changed from Assigned to Closed

#4 - 06/09/2015 07:25 AM - usa (Usaku NAKAMURA)

- Backport changed from 2.0.0: REQUIRED, 2.1: REQUIRED, 2.2: REQUIRED to 2.0.0: REQUIRED, 2.1: DONE, 2.2: REQUIRED

ruby_2_1 r50806 merged revision(s) 50637.

#5 - 06/11/2015 04:15 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.0.0: REQUIRED, 2.1: DONE, 2.2: REQUIRED to 2.0.0: REQUIRED, 2.1: DONE, 2.2: DONE

Backported into ruby_2_2 branch at r50836.