Ruby - Bug #14195

[PATCH] IO#pwrite uses tmp buffer to avoid parallel modification

12/17/2017 10:28 PM - normalperson (Eric Wong)

Status:	Closed		
Priority:	Normal		
Assignee:	nobu (Nobuyoshi Nakada)		
Target version:			
ruby -v:		**Backport:**	2.3: UNKNOWN, 2.4: UNKNOWN

Description

Since we release GVL, we must freeze a duplicate the string buffer
to prevent other threads from modifying our buffer while we
are waiting on pwrite(2).

- io.c (rb_io_pwrite): use_rb_str_tmp_frozen_{acquire/release}

Trivial bugfix, will commit before 2.5 final.

I think some ext/socket methods (sendmsg, setsockopt) may need this, too;
and fcntl/ioctl/getsockopt will need locktmp for strings...

Associated revisions

Revision 3b174fb7d6a8883ec64b4f866992b66d86ab3c42 - 12/21/2017 12:26 AM - Eric Wong

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@61376 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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History

#1 - 12/17/2017 10:29 PM - normalperson (Eric Wong)

- File 0001-io.c-IO-pwrite-uses-tmp-buffer-to-avoid-parallel-mod.patch added

#2 - 12/17/2017 10:32 PM - normalperson (Eric Wong)

normalperson@yhbt.net wrote:

> I think some ext/socket methods (sendmsg, setsockopt) may need this, too;
> and fcntl/ioctl/getsockopt will need locktmp for strings...

N/M, *sockopt do not; but I think others do.
Will work on it later.

#3 - 12/21/2017 12:26 AM - Anonymous

- Status changed from Open to Closed

Applied in changeset trunk|r61376.

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Files

0001-io.c-IO-pwrite-uses-tmp-buffer-to-avoid-parallel-mod.patch	1.51 KB	12/17/2017	normalperson (Eric Wong)