

Ruby - Bug #7303

Logger fails on log rotation in Windows (log shifting failed. Permission denied)

11/07/2012 11:40 PM - pink-ink (Herman Munster)

Status:	Closed	
Priority:	Normal	
Assignee:	sonots (Naotoshi Seo)	
Target version:		
ruby -v:	ruby 1.9.3p0 (2011-10-30) [i386-mingw32]	Backport:

Description

I have the problem that the logger fails in rotating the log file (daily) with Ruby 1.9.3 in Windows 7.

The cause is, that the log file is open and shall be renamed.
This results in an error "log shifting failed. Permission denied".

Log rotating will work, if the log file is copied to the age_file and then the logfile is cleaned by using logdev.truncate(0).

My changes to logger.rb are (remove 3 lines, add 2 lines):

```
def shift_log_period(period_end)
  postfix = period_end.strftime("%Y%m%d")# YYYYMMDD
  age_file = "#{@filename}.#{postfix}"
  if FileTest.exist?(age_file)
    # try to avoid filename crash caused by Timestamp change.
    idx = 0
    # .99 can be overridden; avoid too much file search with 'loop do'
    while idx < 100
      idx += 1
      age_file = "#{@filename}.#{postfix}.#{idx}"
      break unless FileTest.exist?(age_file)
    end
  end
  @dev.close rescue nil
  File.rename("#{@filename}", age_file)
  @dev = create_logfile(@filename)
  FileUtils.cp(@filename, age_file)
  reset_logfile(@dev) # see below for this new method
  return true
end
```

I've added a new method to clean the open logfile and add a log header:

```
def reset_logfile(logdev)
  logdev.truncate( 0 )
  logdev.sync = true
  add_log_header(logdev)
end
```

The change above (copy/clean instead of rename) should also be applied to the method "shift_log_age", same problem here.

I don't know how to bring this code into standard ruby sources.
Please somebody change the code, so the bug will be fixed.

(I found this bug also described in the old RubyForge archive:
http://rubyforge.org/tracker/?group_id=426&atid=1698&func=detail&aid=19709)

History

#1 - 11/07/2012 11:44 PM - pink-ink (Herman Munster)

Addition to my previous post:
require 'fileutils' is needed at the beginning of logger.rb, if using FileUtils.cp().

#2 - 12/21/2012 10:21 PM - usa (Usaku NAKAMURA)

- Status changed from Open to Assigned

#3 - 07/23/2019 03:11 PM - hsbt (Hiroshi SHIBATA)

- Description updated

- Assignee changed from nahi (Hiroshi Nakamura) to sonots (Naotoshi Seo)

#4 - 08/17/2019 03:46 AM - sonots (Naotoshi Seo)

It looks the codes around specified are fairly changed from 1.9.3 now. This problem should already have been fixed. Let me close once. If anyone finds same issue with the latest ruby, please let me know.

#5 - 08/17/2019 03:47 AM - sonots (Naotoshi Seo)

- Status changed from Assigned to Closed