

Ruby master - Bug #9130

logger continues to write in old log file after rotation

11/20/2013 10:46 AM - no6v (Nobuhiro IMAI)

Status: Closed	
Priority: Normal	
Assignee: nobu (Nobuyoshi Nakada)	
Target version:	
ruby -v: ruby 2.1.0dev (2013-11-18 trunk 43704) [x86_64-linux]	Backport: 1.9.3: DONTNEED, 2.0.0: DONTNEED
Description =begin Logger continues to write in old log file after rotation as follow: \$ cat l.rb require "logger" logdev = "log" pids = [] 2.times do n pids << fork{ logger = Logger.new(logdev, 10, 300) 5.times do logger.debug("") sleep(rand * 3) end exit } end pids.each do pid Process.waitpid(pid) end \$ rm -f log* \$ time ruby -v l.rb ruby 2.1.0dev (2013-11-18 trunk 43704) [x86_64-linux] real 0m8.498s user 0m0.044s sys 0m0.016s \$ ls -ltrn --full-time log* -rw-r--r-- 1 1000 1000 322 2013-11-20 10:36:40.059247700 +0900 log.1 -rw-r--r-- 1 1000 1000 169 2013-11-20 10:36:41.251247688 +0900 log -rw-r--r-- 1 1000 1000 220 2013-11-20 10:36:43.851247663 +0900 log.0 \$ egrep -Tv '# log*' sort -k3 log.1 :D, [2013-11-20T10:36:35.983308 #16870] DEBUG -- : log.1 :D, [2013-11-20T10:36:35.983409 #16867] DEBUG -- : log.1 :D, [2013-11-20T10:36:37.194691 #16867] DEBUG -- : log.1 :D, [2013-11-20T10:36:38.242855 #16870] DEBUG -- : log.1 :D, [2013-11-20T10:36:40.062467 #16867] DEBUG -- : log.0 :D, [2013-11-20T10:36:40.347119 #16870] DEBUG -- : log :D, [2013-11-20T10:36:40.953420 #16867] DEBUG -- : log :D, [2013-11-20T10:36:41.257187 #16867] DEBUG -- : log.0 :D, [2013-11-20T10:36:43.145010 #16870] DEBUG -- : log.0 :D, [2013-11-20T10:36:43.856779 #16870] DEBUG -- : =end	
Related issues:	
Related to Ruby master - Bug #9046: [PATCH] Inter-process locking for log rot...	Closed 10/23/2013
Has duplicate Ruby master - Bug #9133: logger rotates log files more than exp...	Closed 11/21/2013

History

#1 - 11/20/2013 03:07 PM - no6v (Nobuhiro IMAI)

=begin

We should also compare inode of @filename and @dev, right?

The following patch works fine for me.

```
diff --git a/lib/logger.rb b/lib/logger.rb
index c70b091..071594d 100644
--- a/lib/logger.rb
+++ b/lib/logger.rb
@@ -645,7 +645,7 @@ private
File.open(@filename, File::WRONLY | File::APPEND) do |lock|
lock.flock(File::LOCK_EX) # inter-process locking. will be unlocked at closing file
ino = lock.stat.ino
```

- if ino == File.stat(@filename).ino
- if ino == File.stat(@filename).ino and ino == @dev.stat.ino yield # log shifting else # log shifted by another process (i-node before locking and i-node after locking are different) =end

#2 - 12/02/2013 11:34 AM - nagachika (Tomoyuki Chikanaga)

- Status changed from Open to Assigned

- Assignee set to naruse (Yui NARUSE)

- Backport changed from 1.9.3: UNKNOWN, 2.0.0: UNKNOWN to 1.9.3: DONTNEED, 2.0.0: DONTNEED

This issue seems introduced by r43511. So I assign this to naruse san.

#3 - 12/02/2013 09:40 PM - no6v (Nobuhiro IMAI)

nagachika (Tomoyuki Chikanaga) wrote:

This issue seems introduced by r43511. So I assign this to naruse san.

No. This bug is what logger.rb has been having for a long time.
The above patch fixes the newly implemented method for simplicity.
The actual problem is [#9133](#). Updated patch is also available there.
Please see to it.

```
$ ruby -v l.rb
ruby 2.0.0p247 (2013-06-27 revision 41674) [x86_64-linux]
$ egrep -Tv '# log*' | sort -k3
log.1 :D, [2013-12-02T21:19:25.262587 #12207] DEBUG -- :
log.1 :D, [2013-12-02T21:19:25.262713 #12204] DEBUG -- :
log.1 :D, [2013-12-02T21:19:25.577349 #12207] DEBUG -- :
log.1 :D, [2013-12-02T21:19:27.339095 #12204] DEBUG -- :
log.1 :D, [2013-12-02T21:19:27.961317 #12207] DEBUG -- :
log.0 :D, [2013-12-02T21:19:29.225823 #12207] DEBUG -- :
log :D, [2013-12-02T21:19:30.152343 #12204] DEBUG -- :
log.0 :D, [2013-12-02T21:19:31.307252 #12207] DEBUG -- :
log :D, [2013-12-02T21:19:32.378369 #12204] DEBUG -- :
log :D, [2013-12-02T21:19:32.693861 #12204] DEBUG -- :
```

#4 - 12/02/2013 10:38 PM - nagachika (Tomoyuki Chikanaga)

Yes, I saw [#9133](#) after I've written the previous comment.

Anyway, this ticket should be opened for trunk. We have to handle these issues separately.

#5 - 12/15/2013 01:27 AM - nagachika (Tomoyuki Chikanaga)

- Status changed from Assigned to Closed

- Assignee changed from naruse (Yui NARUSE) to nobu (Nobuyoshi Nakada)

fixed by r44203.