

Ruby master - Feature #13577

Digest.file accidentally receives File object but uses file path

05/19/2017 09:03 AM - naruse (Yui NARUSE)

Status:	Assigned	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:		
Description		
<p>Digest::SHA256.file()'s first argument is file path name but it accidentally accepts file object. But for file objects created with O_TMPFILE to_path returns the directory of the temporary file and this File.open will fail.</p>		
<pre>class ::Digest::Class # Creates a digest object and reads a given file, _name_. # Optional arguments are passed to the constructor of the digest # class. # # p Digest::SHA256.file("X11R6.8.2-src.tar.bz2").hexdigest # # => "f02e3c85572dc9ad7cb77c2a638e3be24cc1b5bea9fddb0b0299c9668475c534" def self.file(name, *args) new(*args).file(name) end end module Instance # Updates the digest with the contents of a given file _name_ and # returns self. def file(name) File.open(name, "rb") { f buf = "" while f.read(16384, buf) update buf end } self end end</pre>		
Related issues:		
Related to Ruby master - Feature #13568: File#path for O_TMPFILE fds has no m...		Closed

History

#1 - 05/19/2017 11:21 AM - Hanmac (Hans Mackowiak)

as Sorah did there: <https://github.com/aws/aws-sdk-ruby/pull/1516>

i would suggest that Digest should try to read file objects directly giving to the #file method if able.

#2 - 05/20/2017 06:48 PM - naruse (Yui NARUSE)

- Related to Feature #13568: File#path for O_TMPFILE fds has no meaning added

#3 - 05/20/2017 06:50 PM - naruse (Yui NARUSE)

Hanmac (Hans Mackowiak) wrote:

as Sorah did there: <https://github.com/aws/aws-sdk-ruby/pull/1516>

i would suggest that Digest should try to read file objects directly giving to the #file method if able.

Yeah.

It should use pread if it can or simply read then restore the pos.