

Ruby trunk - Bug #4500

warning: implicit declaration of function 'fdatasync' for OS X

03/14/2011 04:21 AM - Eregon (Benoit Daloze)

Status: Closed	
Priority: Normal	
Assignee: kosaki (Motohiro KOSAKI)	
Target version: 2.0.0	
ruby -v: ruby 1.9.3dev (2011-03-01 trunk 31001) [x86_64-darwin10.6.0]	Backport:

Description

=begin

While compiling ruby, this warning appears on OS X:

compiling io.c

io.c: In function 'rb_io_fdatasync':

io.c:1433: warning: implicit declaration of function 'fdatasync'

This is a regression caused by the revert ([r30821](#)) of [r30725](#): configure.in: Mac OS X wrongly reports it has fdatasync(3).

While fdatasync is defined, there is no header for it.

Apparently, it works as expected:

```
fh = File.open('test.txt', 'w')
```

```
fh.write('DATA')
```

```
fh.fdatasync # if this line is commented, nothing is written to the file
```

```
exit!
```

But I think we should not trust functions without prototype.

So I propose the following patch, which also document the behavior of IO#fdatasync accordingly to [r30762](#).

```
diff --git a/configure.in b/configure.in
```

```
index 01e59f9..8a4e97e 100644
```

```
--- a/configure.in
```

```
+++ b/configure.in
```

```
@@ -940,6 +940,7 @@ AS_CASE(["$target_os"],
```

```
fi
```

```
ac_cv_type_getgroups=gid_t # getgroups() on Rosetta fills garbage
```

```
ac_cv_lib_crypt_crypt=no
```

- ac_cv_func_fdatasync=no # Mac OS X wrongly reports it has fdatasync() AC_CACHE_CHECK(for broken crypt with 8bit chars, rb_cv_broken_crypt, [AC_TRY_RUN([#include <diff> diff --git a/io.c b/io.c index 064d1a2..e5241b3 100644 --- a/io.c +++ b/io.c @@ -1414,8 +1414,8 @@ rb_io_fsync(VALUE io) *
 - Immediately writes all buffered data in ios to disk. *
- * NotImplementedError is raised
- * if the underlying operating system does not support fdatasync(2).
- * If the underlying operating system does not support fdatasync(2),
- * IO#fsync is called instead (which might raise a NotImplementedError). */

```
static VALUE
```

```
=end
```

Associated revisions

Revision f4755f21 - 04/03/2011 12:35 PM - kosaki (Motohiro KOSAKI)

- configure.in: disable fdatasync again on Mac OS X. [ruby-core:35493][Bug #4500]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@31232 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 31232 - 04/03/2011 12:35 PM - kosaki (Motohiro KOSAKI)

- configure.in: disable fdatsync again on Mac OS X. [ruby-core:35493][Bug #4500]

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History

#1 - 04/03/2011 09:33 PM - kosaki (Motohiro KOSAKI)

- Status changed from Open to Assigned
- Assignee set to kosaki (Motohiro KOSAKI)

=begin
To be honest, I'm not sure Apple's system function support policy. But I'm sure your suggestions were right in past. Then, I'll commit this proposal as is.

Thanks.
=end

#2 - 04/04/2011 07:07 PM - kosaki (Motohiro KOSAKI)

- Status changed from Assigned to Closed

=begin
=end