

Redmine - Patch #35720

Defect: Binmode specified twice

2021-08-06 16:43 - Pavel Rosický

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Attachments	Estimated time:	0.00 hour
Target version:			

Description

after #35539 I'm getting failures

```
ArgumentError: binmode specified twice
  app/models/attachment.rb:572:in `initialize'
  app/models/attachment.rb:572:in `open'
  app/models/attachment.rb:572:in `create_diskfile'
  app/models/attachment.rb:142:in `files_to_final_location'
```

File::BINARY flag should be enough to setup a binary mode

```
diff --git a/app/models/attachment.rb b/app/models/attachment.rb
index c65c56722..b0b0a02ba 100644
--- a/app/models/attachment.rb
+++ b/app/models/attachment.rb
@@ -572,7 +572,6 @@ class Attachment < ActiveRecord::Base
  File.open(
    File.join(path, name),
    flags: File::CREAT | File::EXCL | File::BINARY | File::WRONLY,
-   binmode: true,
    &block
  )
  rescue Errno::EEXIST
```

Related issues:

Related to Redmine - Patch # 35539: Race condition (possible filename collisi...

Closed

Associated revisions

Revision 21193 - 2021-08-18 04:34 - Go MAEDA

Fix that binmode specified twice (#35539, #35720).

Patch by Pavel Rosický.

History

#1 - 2021-08-07 10:06 - Go MAEDA

I think what you pointed out is right but I cannot reproduce the `ArgumentError` by uploading files or running the test. The following code also doesn't cause errors.

```
File.open('/tmp/test.txt', flags: File::CREAT | File::EXCL | File::BINARY | File::WRONLY, binmode: true) {|io| io.puts 'hello'}
```

Could you let me know how I can reproduce the error?

#2 - 2021-08-07 10:50 - Pavel Rosický

your example fails as-well, but it depends on the platform
on Windows

```
File::BINARY
```

```
=> 32768
```

on Linux

```
File::BINARY
```

```
=> 0
```

which means it actually has no effect on Linux and it won't break if you specify the binmode argument twice.

this is because *nix operating systems don't do automatic linefeed conversion for I/O on "text" files so O_TEXT and O_BINARY flags wouldn't make sense.

#3 - 2021-08-07 11:56 - Pavel Rosický

I removed the flag instead, because binmode also affects encoding on Linux. This passes on both platforms.

```
diff --git a/app/models/attachment.rb b/app/models/attachment.rb
index c65c56722..8fba26eff 100644
--- a/app/models/attachment.rb
+++ b/app/models/attachment.rb
@@ -571,7 +571,7 @@ class Attachment < ActiveRecord::Base
   name = "#{timestamp}_#{ascii}"
   File.open(
     File.join(path, name),
-   flags: File::CREAT | File::EXCL | File::BINARY | File::WRONLY,
+   flags: File::CREAT | File::EXCL | File::WRONLY,
     binmode: true,
     &block
   )
```

#4 - 2021-08-08 03:44 - Go MAEDA

- Related to Patch #35539: Race condition (possible filename collision) in Attachment.disk_filename added

#5 - 2021-08-09 19:40 - Mischa The Evil

- Description updated

#6 - 2021-08-18 04:35 - Go MAEDA

- *Status changed from New to Closed*
- *Assignee set to Go MAEDA*

Committed the fix as a part of #35539. Thank you.