

## Redmine - Patch #35721

### Unlink files after they're closed

2021-08-06 17:33 - Pavel Rosický

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Attachments	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
Tests are trying to unlink the file inside the block while the file descriptor is still active.			
they were introduced by <a href="#">#35539</a>			
fixes <i>Errno::EACCES: Permission denied</i>			
<pre>diff --git a/test/unit/attachment_test.rb b/test/unit/attachment_test.rb index 2aee87964..a870e3697 100644 --- a/test/unit/attachment_test.rb +++ b/test/unit/attachment_test.rb @@ -276,27 +276,31 @@ class AttachmentTest &lt; ActiveSupport::TestCase   end    def test_create_diskfile +   path = nil     Attachment.create_diskfile("test_file.txt") do  f        path = f.path       assert_match(/^d{12}_test_file.txt\$/, File.basename(path))       assert_equal 'test_file.txt', File.basename(path) [13..-1] -    File.unlink f.path     end +   File.unlink path      Attachment.create_diskfile("test_accentu��.txt") do  f  +   path = f.path     assert_equal '770c509475505f37c2b8fb6030434d6b.txt', File.basename(f.path) [13..-1] -    File.unlink f.path     end +   File.unlink path      Attachment.create_diskfile("test_accentu��") do  f  +   path = f.path     assert_equal 'f8139524ebb8f32e51976982cd20a85d', File.basename(f.path) [13..-1] -    File.unlink f.path     end +   File.unlink path      Attachment.create_diskfile("test_accentu��.��a") do  f  +   path = f.path     assert_equal 'cbb5b0f30978ba03731d61f9f6d10011', File.basename(f.path) [13..-1] -    File.unlink f.path     end +   File.unlink path   end    def test_title</pre>			
<b>Related issues:</b>			
Related to Redmine - Defect #35539: Race condition (possible filename collisi...			Closed

#### Associated revisions

## Revision 21194 - 2021-08-18 04:47 - Go MAEDA

Don't unlink files before closing them (#35539, #35721).

Patch by Pavel Rosický.

## History

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### #1 - 2021-08-08 03:47 - Go MAEDA

- *Related to Defect #35539: Race condition (possible filename collision) in Attachment.disk\_filename added*

### #2 - 2021-08-09 16:59 - Holger Just

The tests were specifically written to simulate the race condition. On Filesystems following the usual POSIX semantics, it is allowed to unlink files while they are still opened by any process. They will only actually be removed from the filesystem when the last filehandle is closed by the kernel.

On Windows / NTFS, this is stricter. Here, the filesystem denies moving / deleting any file for which there are open file handles (that is, unless all file handles have the ::File::SHARE\_DELETE flag set). Thus, on windows the test might fail.

In any case, I think this patch of the tests is safe and can be applied.

### #3 - 2021-08-09 19:40 - Mischa The Evil

- *Description updated*

### #4 - 2021-08-18 04:51 - Go MAEDA

- *Status changed from New to Closed*

Committed the fix as a part of [#35539](#). Thank you.