

## Ruby trunk - Bug #7246

### FileUtils.cp\_r does not preserve attributes of directories

10/31/2012 12:42 AM - wedesoft (Jan Wedekind)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> mame (Yusuke Endoh)	
<b>Target version:</b> 2.0.0	
<b>ruby -v:</b> ruby 1.9.3p194 (2012-04-20 revision 35410) [x86_64-darwin11.3.0]	<b>Backport:</b>
<b>Description</b> ({FileUtils.cp_r}) does not preserve the file attributes of directories because the attributes are set before copying to the directory. The following monkey patch fixes this behaviour. However the monkey patch relies on the contents of the source directory not changing during the copy operation.  ({require 'fileutils'  def copy_entry(src, dest, preserve = false, dereference_root = false, remove_destination = false) Entry_.new(src, nil, dereference_root).traverse do  ent  destent = Entry_.new(dest, ent.rel, false) File.unlink destent.path if remove_destination && File.file?(destent.path) ent.copy destent.path end Entry_.new(src, nil, dereference_root).postorder_traverse do  ent  destent = Entry_.new(dest, ent.rel, false) ent.copy_metadata destent.path if preserve end end module_function :copy_entry  end}}))	

#### Associated revisions

##### Revision 7dc77be2 - 02/02/2013 03:54 AM - mame (Yusuke Endoh)

- lib/fileutils.rb (copy\_entry, wrap\_traverse): preserve attributes of directories on FileUtils.cp\_r. The fix was proposed by Jan Wedekind. [Bug #7246]
- test/fileutils/test\_fileutils.rb: add a test for above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39015 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 39015 - 02/02/2013 03:54 AM - mame (Yusuke Endoh)

- lib/fileutils.rb (copy\_entry, wrap\_traverse): preserve attributes of directories on FileUtils.cp\_r. The fix was proposed by Jan Wedekind. [Bug #7246]
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## History

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### #1 - 10/31/2012 12:58 AM - wedesoft (Jan Wedekind)

The following code might be a proper bugfix.

```
{{require 'fileutils'}}

module FileUtils

class Entry_

def wrap_traverse(pre, post)
  pre.call self
  if directory?
    entries.each do |ent|
```

```
    ent.wrap_traverse pre, post
  end
end
post.call self
end
```

end

```
def copy_entry(src, dest, preserve = false, dereference_root = false, remove_destination = false)
  Entry_.new(src, nil, dereference_root).wrap_traverse(proc do |ent|
    destent = Entry_.new(dest, ent.rel, false)
    File.unlink destent.path if remove_destination && File.file?(destent.path)
    ent.copy destent.path
  end, proc do |ent|
    destent = Entry_.new(dest, ent.rel, false)
    ent.copy_metadata destent.path if preserve
  end)
end
module_function :copy_entry

end)))
```

### #2 - 11/26/2012 12:52 AM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to mame (Yusuke Endoh)
- Target version set to 2.0.0

Thanks, I'll import your fix unless there is objection.

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Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

### #3 - 02/02/2013 12:54 PM - mame (Yusuke Endoh)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset [r39015](#).

Jan, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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