

## Ruby - Feature #4189

### FileUtils#ln\_r

12/23/2010 10:25 AM - trans (Thomas Sawyer)

|   |                     |  |
|---|---------------------|--|
| <b>Status:</b>  | Closed              |  |
| <b>Priority:</b>  | Normal              |  |
| <b>Assignee:</b>  | mame (Yusuke Endoh) |  |
| <b>Target version:</b>  |                     |  |
| <b>Description</b><br>=begin<br>I wrote a method for FileUtils to do recursive hard linking. It works just like cp_r but links instead of copies.<br><br>The code can be found along with the pull request I made to ruby/ruby on Github:<br><br><a href="http://github.com/ruby/ruby/pull/4#issuecomment-631067">http://github.com/ruby/ruby/pull/4#issuecomment-631067</a><br><br>It's a pretty handy method for "staging" read-only files. For example I've used it to stage test fixture files in a tmp testing location and I've used it collect together a set of files for packaging into a tarball.<br>=end |                     |  |

#### Associated revisions

##### Revision d583ee266bf189a8d41ee3a3469ab0334c8643fa - 03/13/2018 08:18 AM - mame (Yusuke Endoh)

Add FileUtils#cp\_lr

- lib/fileutils.rb: Add FileUtils#cp\_lr. This method creates hard links of each file from directory to another directory recursively. This patch is based on Thomas Sawyers and Zachary Scott. [Feature #4189] [ruby-core:33820]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@62739 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision d583ee26 - 03/13/2018 08:18 AM - mame (Yusuke Endoh)

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#### History

##### #1 - 04/22/2011 12:13 PM - naruse (Yui NARUSE)

- Status changed from Open to Assigned
- Assignee set to matz (Yukihiro Matsumoto)

=begin

=end

##### #2 - 04/22/2011 01:03 PM - matz (Yukihiro Matsumoto)

=begin  
Since ln command does not have -r option, I am kind of hesitating to add ln\_r. I understand usefulness of the method. But I am not sure yet where to add (is fileutils the best place?), and what to add (is ln\_r the best name for the method?).

matz.  
=end

##### #3 - 04/22/2011 01:16 PM - sakuro (Sakuro OZAWA)

=begin  
FYI

X11 distribution has Indir command, it creates real directories and file symlinks though.  
=end

#### #4 - 04/25/2011 05:33 AM - johan556 (Johan Holmberg)

=begin  
GNU cp has the -l option, so I think the proposed method is similiar to "cp -lr" on Linux systems.  
=end

#### #5 - 06/24/2012 06:54 AM - reset (Jamie Winsor)

This ticket hasn't seen action in a year, but I wanted to chime in and +1 the feature.

Having a convenience function to recursively create hard links based on a source directory is a rare need, but a need, nonetheless. I think FileUtils is a fine place for it when compared to the other choices of where to place it in Ruby core.

#### #6 - 11/19/2012 07:09 AM - zzak (zzak \_)

- File fileutils\_ln\_r.patch added  
- Description updated

Adding Thomas' patch from github.

#### #7 - 11/24/2012 10:54 AM - mame (Yusuke Endoh)

- Target version set to 2.6

#### #8 - 11/29/2017 08:56 AM - matz (Yukihiro Matsumoto)

Accepted, but I am against the name ln\_r because it behaves differently from ln -r (relative).

Matz.

#### #9 - 11/29/2017 08:59 AM - akr (Akira Tanaka)

After discussion at the developer meeting, cp\_lr may be an consensus.

#### #10 - 12/25/2017 06:14 PM - naruse (Yui NARUSE)

- Target version deleted (2.6)

#### #11 - 03/08/2018 08:33 AM - mame (Yusuke Endoh)

- File fileutils\_cp\_lr.patch added

I'll commit this patch that introduces FileUtils.cp\_lr in a few days. Let me know if there is a problem.

#### #12 - 03/08/2018 08:33 AM - mame (Yusuke Endoh)

- Assignee changed from matz (Yukihiro Matsumoto) to mame (Yusuke Endoh)

#### #13 - 03/13/2018 08:18 AM - mame (Yusuke Endoh)

- Status changed from Assigned to Closed

Applied in changeset trunk|r62739.

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## Files

|                       |         |            |                     |
|-----------------------|---------|------------|---------------------|
| fileutils_ln_r.patch  | 4.72 KB | 11/19/2012 | zzak (zzak _)       |
| fileutils_cp_lr.patch | 4.72 KB | 03/08/2018 | mame (Yusuke Endoh) |