

## Ruby master - 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>	
=begin I wrote a method for FileUtils to do recursive hard linking. It works just like cp_r but links instead of copies.  The code can be found along with the pull request I made to ruby/ruby on Github:  <a href="http://github.com/ruby/ruby/pull/4#issuecomment-631067">http://github.com/ruby/ruby/pull/4#issuecomment-631067</a>  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. =end	

### Associated revisions

#### Revision d583ee26 - 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 62739 - 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 (Yukihiko Matsumoto)

=begin

=end

#### #2 - 04/22/2011 01:03 PM - matz (Yukihiko 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 `ln` 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 similar 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 (Zachary Scott)**

- *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 (Yukihiko 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` (Yukihiko 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**

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<code>fileutils_ln_r.patch</code>	4.72 KB	11/19/2012	zzak (Zachary Scott)
<code>fileutils_cp_lr.patch</code>	4.72 KB	03/08/2018	mame (Yusuke Endoh)