

Ruby - Bug #15577

FileUtils.remove_entry_secure() raises unexpected NameError

01/31/2019 12:06 PM - Tietew (Toru Iwase)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.6.1p33 (2019-01-30 revision 66950) [x86_64-linux]	Backport: 2.4: DONTNEED, 2.5: DONTNEED, 2.6: DONE

Description

How to reproduce

```
$ sudo mkdir /tmp/foobar
$ ruby -rfileutils -e 'FileUtils.remove_entry_secure("/tmp/foobar") '
Traceback (most recent call last):
  4: from -e:1:in `<main>'
  3: from /usr/local/anyenv/envs/rbenv/versions/2.6.1/lib/ruby/2.6.0/fileutils.rb:689:in `remove_entry_secure'
  2: from /usr/local/anyenv/envs/rbenv/versions/2.6.1/lib/ruby/2.6.0/fileutils.rb:689:in `open'
  1: from /usr/local/anyenv/envs/rbenv/versions/2.6.1/lib/ruby/2.6.0/fileutils.rb:695:in `block in remove_entry_secure'
/usr/local/anyenv/envs/rbenv/versions/2.6.1/lib/ruby/2.6.0/fileutils.rb:695:in `chown': Operation not permitted @ rb_file_chown - /tmp/foobar/. (Errno::EPERM)
  2: from -e:1:in `<main>'
  1: from /usr/local/anyenv/envs/rbenv/versions/2.6.1/lib/ruby/2.6.0/fileutils.rb:688:in `remove_entry_secure'
/usr/local/anyenv/envs/rbenv/versions/2.6.1/lib/ruby/2.6.0/fileutils.rb:698:in `rescue in remove_entry_secure': uninitialized constant FileUtils::EISDIR (NameError)
```

Expected

Raises Errno::EPERM

Actual

Raises NameError (uninitialized constant FileUtils::EISDIR)

Patch

```
diff --git a/lib/fileutils.rb b/lib/fileutils.rb
index dc7261857b..8981ef98e8 100644
--- a/lib/fileutils.rb
+++ b/lib/fileutils.rb
@@ -695,7 +695,7 @@ def remove_entry_secure(path, force = false)
     f.chown euid, -1
     f.chmod 0700
   }
-  rescue EISDIR # JRuby in non-native mode can't open files as dirs
+  rescue Errno::EISDIR # JRuby in non-native mode can't open files as dirs
     File.lstat(dot_file).tap {|fstat|
       unless fu_stat_identical_entry?(st, fstat)
         # symlink (TOC-to-TOU attack?)
```

Versions

- 2.3.8: Good
- 2.4.5: Good
- 2.5.3: Good

- 2.6.1: Bad
- trunk: Bad

Associated revisions

Revision **cb5a32981404e1bd691978ad9e7ce6a824315995** - 01/31/2019 02:02 PM - nobu (Nobuyoshi Nakada)

Fix exception namespace

- lib/fileutils.rb (remove_entry_secure): EISDIR is under the Errno namespace. [ruby-core:91362] [Bug #15577]

From: Tietew (Toru Iwase) tietew@tietew.net

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@66972 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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Revision **470a7046d45b4a16c457698137326c8ce212d459** - 03/06/2019 07:14 AM - naruse (Yui NARUSE)

merge revision(s) 66972: [Backport #15577]

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From: Tietew (Toru Iwase) <tietew@tietew.net>
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@67177 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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Revision **470a7046** - 03/06/2019 07:14 AM - naruse (Yui NARUSE)

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Revision 50a334d864cb0dcbe8cf8e1f0403a439e9b3debe - 03/11/2019 07:18 AM - naruse (Yui NARUSE)

merge revision(s) 66973: [Backport #15577]

```
Run r66972 assertion only when a sticky-bit makes sense
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@67210 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 50a334d864cb0dcbe8cf8e1f0403a439e9b3debe - 03/11/2019 07:18 AM - naruse (Yui NARUSE)

merge revision(s) 66973: [Backport #15577]

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Revision 50a334d8 - 03/11/2019 07:18 AM - naruse (Yui NARUSE)

merge revision(s) 66973: [Backport #15577]

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@67210 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 01/31/2019 01:11 PM - nobu (Nobuyoshi Nakada)

- Backport changed from 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: UNKNOWN to 2.4: DONTNEED, 2.5: DONTNEED, 2.6: REQUIRED

#2 - 01/31/2019 02:02 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset trunk|r66972.

Fix exception namespace

- lib/fileutils.rb (remove_entry_secure): EISDIR is under the Errno namespace. [\[ruby-core:91362\]](#) [Bug [#15577](#)]

From: Tietew (Toru Iwase) tietew@tietew.net

#3 - 03/06/2019 07:37 AM - naruse (Yui NARUSE)

- Backport changed from 2.4: DONTNEED, 2.5: DONTNEED, 2.6: REQUIRED to 2.4: DONTNEED, 2.5: DONTNEED, 2.6: DONE

ruby_2_6 r67177 merged revision(s) 66972.