Feature: Allow method chaining with Pathname#mkpath Pathname#rmtree

10/30/2020 03:04 PM - schneems (Richard Schneeman)

Status: Assigned
Priority: Normal
Assignee: akr (Akira Tanaka)
Target version:

Description

Currently in my code when I want to create a pathname object and create a path at the same time I must use tap:

```ruby
path = Pathname.new("/tmp/new").tap(&:mkpath)
```

I think it would be cleaner to be able to chain on the results of these methods instead:

```ruby
path = Pathname.new("/tmp/new").mkpath
```

This is a change in return value but after research on github I do not believe many (if any) are relying on the current behavior to return nil: https://github.com/search?q=.mkpath+language%3ARuby&ref=advsearch&type=Code.

Here is my diff:

```diff
$ git diff master schneems/return-self-pathname
diff --git a/ext/pathname/lib/pathname.rb b/ext/pathname/lib/pathname.rb
index e6fb90277d..f1eb1e00ae 100644
--- a/ext/pathname/lib/pathname.rb
+++ b/ext/pathname/lib/pathname.rb
@@ -582,7 +582,7 @@ class Pathname
     def mkpath
         require 'fileutils'
         FileUtils.mkpath(@path)
-        nil
+        self
     end

 # Recursively deletes a directory, including all directories beneath it.
@@ -593,7 +593,7 @@ def rmtree
     # File::Path provides "mkpath" and "rmtree".
     require 'fileutils'
     FileUtils.rm_r(@path)
-    nil
+    self
     end
 end

diff --git a/test/pathname/test_pathname.rb b/test/pathname/test_pathname.rb
index 43cef4849f..149fe15c3a 100644
--- a/test/pathname/test_pathname.rb
+++ b/test/pathname/test_pathname.rb
@@ -1389,7 +1389,8 @@ def test_find
     def test_mkpath
         with_tmpchdir(\"rubytest-pathname\") { |dir|
             Pathname("a/b/c/d").mkpath
-            path = Pathname("a/b/c/d")
+            assert_equal(path, path.mkpath)
             assert_file.directory?(\"a/b/c/d\")
         }
     end
@@ -1398,7 +1399,8 @@ def test_rmtree
     with_tmpchdir(\"rubytest-pathname\") { |dir|
         Pathname("a/b/c/d").mkpath
         assert_file.exist?(\"a/b/c/d\")
```

09/24/2021
Pathname("a").rmtree
+ path = Pathname("a")
+ assert_equal(path, path.rmtree)
  assert_file.not_exist?("a")
}
end

Github PR: https://github.com/ruby/ruby/pull/3705. If accepted I will make a pr to update the tests here as well
https://github.com/ruby/rbs/blob/b0dee64fdd00cc41c0729fa2c239fc2dcb9c3b18/test/stdlib/Pathname_test.rb#L456-L463.

History

#1 - 10/31/2020 12:56 AM - bkuhlmann (Brooke Kuhlmann)
I would like this too. I've been using Refinements to improve Pathname behavior but this would be better.

#2 - 08/30/2021 06:52 AM - hsbt (Hiroshi SHIBATA)
- Assignee set to akr (Akira Tanaka)
- Status changed from Open to Assigned