

## Ruby trunk - Bug #8464

### IPAddr cannot parse link-local IPv6 address.

05/31/2013 01:32 AM - aselder (Andrew Selder)

<b>Status:</b> Rejected	
<b>Priority:</b> Normal	
<b>Assignee:</b> knu (Akinori MUSHHA)	
<b>Target version:</b>	
<b>ruby -v:</b> ruby 2.0.0p195 (2013-05-14 revision 40734) [x86_64-darwin12.3.0]	<b>Backport:</b>
<b>Description</b>	
1.9.3p374 :001 > require 'ipaddr' => true 1.9.3p374 :002 > IPAddr.new("0:0:0:0:0:0:1%0") ArgumentError: invalid address from /Users/andrew/.rvm/rubies/ruby-2.0.0-p195/lib/ruby/2.0.0/ipaddr.rb:559:in in6_addr' from /Users/andrew/.rvm/rubies/ruby-2.0.0-p195/lib/ruby/2.0.0/ipaddr.rb:496:in initialize' from (irb):2:in new' from (irb):2 from /Users/andrew/.rvm/rubies/ruby-2.0.0-p195/bin/irb:16:in'  Same behavior in Ruby 1.9.3 all patch levels	

### History

#### #1 - 06/28/2013 04:26 AM - cedric.brancourt (Cedric Brancourt)

Not sure this need a fix.

The %0 part of the example is the scope ( zone ) and should not be part of the address.

It is appended by operating system in the textual representation of the endpoint ( for interface identification ), and format depend on the operating system.

But it is not part of the address , see <http://www.ietf.org/rfc/rfc4007.txt>

This is the way I understand it. If I am right , this is not a bug.

#### #2 - 07/03/2013 11:59 AM - knu (Akinori MUSHHA)

- Category set to lib

- Status changed from Open to Feedback

- Assignee set to knu (Akinori MUSHHA)

IPAddr currently does not support scope ID's.

Making IPAddr deal with scope ID's would mean a lot more than just ignoring it (starting with adding #scope\_id).

If you are going to request such a feature, you'll have to investigate, for example, in what contexts (libraries/methods/commands) an IPv6 address with a scope ID is valid and accepted, if #to\_s should include it or another method should be added for that, how it would affect the backward compatibility, etc.

On the other hand, you can use `str.sub(/%.*m, "")` or `str[/(?!%)*m]` if you just want to drop the scope ID part.

**#3 - 07/03/2013 02:24 PM - drbrain (Eric Hodel)**

Thanks to the recently added `Socket.getifaddrs` we now have the ability to map scope names to interface ids for use in IPv6 multicast, for example.

**#4 - 10/22/2017 05:13 AM - knu (Akinori MUSHYA)**

- *Backport deleted (1.9.3: UNKNOWN, 2.0.0: UNKNOWN)*

- *Status changed from Feedback to Rejected*

Closing due to feedback timeout.