

Ruby - Bug #15832

IPAddr.new accepts invalid mask IP address

05/05/2019 08:52 PM - tsuna (Kenta Tsuna)

Status:	Closed	Backport: 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: UNKNOWN
Priority:	Normal	
Assignee:	knu (Akinori MUSHHA)	
Target version:		
ruby -v:	ruby 2.7.0dev (2019-05-05 trunk 594a033ff0) [x86_64-linux]	
Description		
IPAddr.new accepts IP address with multiple mask and/or zero padded one.		
<pre>\$ cat ipaddr.rb require 'ipaddr' addrs = %w[192.0.2.0/24/16 192.0.2.0/00024 192.0.2.0/24/00016 192.0.2.0/00024/16 2001:db8::/32/24 2001:db8::/00032 2001:db8::/32/00024 2001:db8::/00032/24] addrs.each do addr begin p IPAddr.new(addr) puts "#{addr} is valid" rescue StandardError puts "#{addr} is invalid" end end \$ ruby ipaddr.rb #<IPAddr: IPv4:192.0.2.0/255.255.255.0> 192.0.2.0/24/16 is valid #<IPAddr: IPv4:192.0.2.0/255.255.255.0> 192.0.2.0/00024 is valid #<IPAddr: IPv4:192.0.2.0/255.255.255.0> 192.0.2.0/24/00016 is valid #<IPAddr: IPv4:192.0.2.0/255.255.255.0> 192.0.2.0/00024/16 is valid #<IPAddr: IPv6:2001:0db8:0000:0000:0000:0000:0000:ffff:ffff:0000:0000:0000:0000:0000:0000> 2001:db8::/32/24 is valid #<IPAddr: IPv6:2001:0db8:0000:0000:0000:0000:0000:ffff:ffff:0000:0000:0000:0000:0000:0000> 2001:db8::/00032 is valid #<IPAddr: IPv6:2001:0db8:0000:0000:0000:0000:0000:ffff:ffff:0000:0000:0000:0000:0000:0000> 2001:db8::/32/00024 is valid #<IPAddr: IPv6:2001:0db8:0000:0000:0000:0000:0000:ffff:ffff:0000:0000:0000:0000:0000:0000> 2001:db8::/00032/24 is valid</pre>		

History

#1 - 06/05/2019 02:02 AM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Assigned
- Assignee set to knu (Akinori MUSHHA)

I submitted a pull request to ruby/ipaddr to fix this: <https://github.com/ruby/ipaddr/pull/17>

#2 - 07/09/2019 06:55 AM - ioquatix (Samuel Williams)

- *Status changed from Assigned to Closed*

I merged it.