

Ruby master - Feature #11210

IPAddr has no public method to get the current subnet mask

06/02/2015 03:56 PM - herwinw (Herwin Quarantainenet)

Status:	Closed	
Priority:	Normal	
Assignee:	knu (Akinori MUSHHA)	
Target version:		
Description		
Both to_s and to_string omit the subnet mask of an IP address. The only way to query it via public methods is to manually parse the output of inspect.		
Related issues:		
Related to Ruby master - Feature #11527: IPAddr#mask_addr isn't a method		Assigned

History

#1 - 06/02/2015 05:01 PM - bjmlr (Ben Miller)

It would be useful to expose @mask_addr. I have done this at times by reopening IPAddr and adding an attr_reader. Then the string form of the mask can be obtained with

```
IPAddr.new(addr.mask_addr, addr.family).to_s
```

#mask_addr is also useful when doing subnetting operations which are beyond the scope of IPAddr.

#2 - 03/02/2016 12:12 PM - Eregon (Benoit Daloze)

- Assignee set to knu (Akinori MUSHHA)

Assigning this to the official maintainer of ipaddr.
Or should it be assigned to matz?

Could this be decided at the next Developer meeting or sooner?

See <https://github.com/ruby/ruby/pull/1269> for the patch.

#3 - 04/13/2016 07:57 AM - knu (Akinori MUSHHA)

- Status changed from Open to Assigned

Sorry for being inactive.

I've made some comments in the above PR.

I can't recall the exact reason why there's no access to the netmask provided, but one main design concept of IPAddr by the original author (Ume-san) was to allow manipulating IP addresses independent of what family each instance is in, so I'd welcome the PR in that it introduces an address family independent class for returning values.

Except for a few things I mentioned in the PR it looks good to merge, so please toss your feedback to it if you have any opinions. Thank you.

#4 - 10/25/2016 06:38 PM - herwin (Herwin W)

Any progress? I believe all the comments have been addressed.

#5 - 07/20/2017 11:30 AM - usa (Usaku NAKAMURA)

- Related to Feature #11527: IPAddr#mask_addr isn't a method added

#6 - 08/16/2017 06:20 PM - Eregon (Benoit Daloze)

[knu \(Akinori MUSHHA\)](#): Could you review the PR and decide whether to merge it?

#7 - 03/12/2018 08:42 PM - herwin (Herwin W)

<https://github.com/ruby/ipaddr/commit/293ad5ac6ed704f91d418ecaf24ae58156a587e7> fixes this in the ipaddr gem. Good enough for me, I guess this issue can be closed.

#8 - 12/18/2018 05:09 AM - knu (Akinori MUSHA)

- Status changed from Assigned to Closed