

## pfSense - Bug #4028

### Wireless Obytes counter always 0

11/19/2014 11:09 PM - Phillip Davis

<b>Status:</b>	Resolved	<b>Start date:</b>	11/19/2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Operating System	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.2.3	<b>Affected Architecture:</b>	
<b>Affected Version:</b>	2.2		

**Description**

On an Alix 2D13 with WiFi card in it.  
2.2-BETA (i386)  
built on Sun Nov 16 14:10:12 CST 2014  
FreeBSD 10.1-RELEASE

Traffic Graph (from Status menu or the widget) always shows 0 traffic out on the WiFi interface to clients. Traffic in from clients shows correctly.  
Root cause seems to be:  
\$ifinfo = pfSense\_get\_interface\_stats('ath0\_wlan0');  
var\_dump(\$ifinfo);  
array(11) {  
["inpkts"]=>  
int(926911)  
["inbytes"]=>  
int(80903838)  
["outpkts"]=>  
int(1464350)  
["outbytes"]=>  
int(0)  
["inerrs"]=>  
int(16)  
["outerrs"]=>  
int(412)  
["collisions"]=>  
int(0)  
["inmcasts"]=>  
int(9751)  
["outmcasts"]=>  
int(0)  
["unsuppproto"]=>  
int(0)  
["mtu"]=>  
int(1500)  
}

outbytes is zero.

And outbytes is not appearing in 'ath0' either (just checked that in case it ended up in the wrong place):  
\$ifinfo = pfSense\_get\_interface\_stats('ath0');  
var\_dump(\$ifinfo);  
array(11) {  
["inpkts"]=>  
int(982945)  
["inbytes"]=>  
int(0)  
["outpkts"]=>  
int(1127117)  
["outbytes"]=>  
int(0)

```

["inerrs"]=>
int(22129)
["outerrs"]=>
int(0)
["collisions"]=>
int(0)
["inmcasts"]=>
int(0)
["outmcasts"]=>
int(0)
["unsuppproto"]=>
int(0)
["mtu"]=>
int(2290)
}

```

Ordinary interfaces are working fine, e.g vr0,vr1,vr2 and also VLAN devices like vr0\_vlan50.

## History

### #1 - 11/19/2014 11:17 PM - Phillip Davis

It is not a super-important thing, but there might be other device name combinations that have this issue also, or other interesting or more important cases where pfSense\_get\_interface\_stats() or something underneath that is not quite right.

### #2 - 11/22/2014 02:56 PM - Chris Buechler

- Category set to Operating System

- Status changed from New to Confirmed

confirmed. The root of the issue is the Obytes counter on ath0 and ath0\_wlanX is always 0. For instance:

```

# netstat -i -b -n -I ath0
Name           Mtu Network      Address          Ipkts Ierrs Idrop    Ibytes    Opkts Oerrs    Obyt
es Coll
ath0           2290 <Link#4>      00:02:6f:21:ed:b6 828938 298892    0         0        64579    0
0             0

```

on the wlanX interfaces, the Link line shows 0 as well.

```

netstat -i -b -n -I ath0_wlan1
Name           Mtu Network      Address          Ipkts Ierrs Idrop    Ibytes    Opkts Oerrs    Obyt
es Coll
ath0_wlan1     1500 <Link#9>      00:02:6f:21:ed:b6 45549   1     0       3245603   62485    1
0             0
ath0_wlan1     - fe80::202:6ff fe80::202:6fff:fe 0      -     -        0         4      -     3
44           -
ath0_wlan1     - 10.68.1.0/24 10.68.1.1       622    -     -       39545    105    -     207
94           -

```

So that looks to be an ath driver issue of some sort.

**#3 - 11/22/2014 02:56 PM - Chris Buechler**

- Subject changed from *Traffic Graph out shows zero for ath0\_wlan0 device to ath Obytes counter always 0*

**#4 - 11/22/2014 03:04 PM - Chris Buechler**

- Subject changed from *ath Obytes counter always 0 to Wireless Obytes counter always 0*

this actually applies to all wifi judging by the FreeBSD PR on the issue.

[https://bugs.freebsd.org/bugzilla/show\\_bug.cgi?id=184626](https://bugs.freebsd.org/bugzilla/show_bug.cgi?id=184626)

**#5 - 12/04/2014 11:47 AM - Chris Buechler**

- Target version changed from *2.2 to 2.2.1*

**#6 - 01/29/2015 02:54 AM - Chris Buechler**

- Target version changed from *2.2.1 to 2.2.2*

That FreeBSD PR got bumped recently, no patch available at this time.

**#7 - 04/02/2015 04:36 PM - Chris Buechler**

- Target version changed from *2.2.2 to 2.2.3*

**#8 - 05/22/2015 03:05 PM - Ermal Luçi**

<https://reviews.freebsd.org/D2621>

**#9 - 05/26/2015 05:40 PM - Ermal Luçi**

- Status changed from *Confirmed to Feedback*

Merged stack from HEAD with the fix on 2.3

**#10 - 05/27/2015 11:35 AM - Phillip Davis**

I am not clear - is the fix coming just in 2.3, or also in the 2.2.3 builds?

**#11 - 06/01/2015 01:20 AM - Jim Thompson**

Phil,

We need to sync the patch to the RELENG\_2\_2 branch. (This work is in progress, but not done.)

**#12 - 06/02/2015 10:52 AM - Ermal Luçi**

Merged even for 2.2.3 the patch.

**#13 - 06/10/2015 01:15 PM - Phillip Davis**

Fixed for me on Alix with WiFi card with pfSense-2.2.3-DEVELOPMENT-2g-i386-nanobsd-upgrade-20150610-1048.img.gz  
Now the traffic graph shows believable out traffic from the WiFi interface when doing stuff from a WiFi client.

**#14 - 06/10/2015 03:56 PM - Kill Bill**

WFM as well.

**#15 - 06/10/2015 08:11 PM - Chris Buechler**

- Status changed from *Feedback to Resolved*

here as well