pfSense - Bug #7966

Live traffic graphs appear to have sampling errors

10/18/2017 03:17 AM - Chris Linstruth

Status:	Resolved		**Start date:**	10/18/2017
Priority:	Low		**Due date:**	
Assignee:	Jared Dillard		**% Done:**	100%
Category:	Traffic Graphs		**Estimated time:**	0.00 hour
Target version:	2.4.2			
Affected Version:	2.4		**Affected Architecture:**	

Description

The Status > Traffic Graphs function and the Traffic Graph widget appear to have a regression (#7515 ?).

The sampling samples zero then the next sample has about double the traffic resulting in a "sawtooth" appearance. Not necessarily in that order. Can also appear as a double sample followed by a zero sample.

Associated revisions

Revision e00f69c8 - 11/09/2017 10:40 AM - Stephen Jones

Fixed #7966 added a moving average smoothing factor to help out with some of the jagged graphs. Since the quickest update will be every other second this will help make it look smoother. Also added this to the widget and added some functionality to the status page so it can display in two different styles. Setting smoothing to 0 will make the graph the same as before this was added. Raising it will allow for a moving average to be taken into account to smooth out the graphs.

History

#1 - 10/19/2017 05:04 AM - Renato Botelho

- Category set to Traffic Graphs

- Assignee set to Jared Dillard

#2 - 10/19/2017 03:19 PM - Mike Dziedziela

Chris Linstruth wrote:

> The Status > Traffic Graphs function and the Traffic Graph widget appear to have a regression (#7515 ?).
>
> The sampling samples zero then the next sample has about double the traffic resulting in a "sawtooth" appearance. Not necessarily in that order. Can also appear as a double sample followed by a zero sample.

Don't you think that inbound and outbound values are switched ?

for me it looks like I am sending more than downloading:

In/out packets
350543/517806 (93.26 MiB/678.03 MiB)
In/out packets (pass)
350543/517806 (93.26 MiB/678.03 MiB)

which is strange

#3 - 10/19/2017 07:00 PM - Jim Pingle

- Target version changed from 2.4.1 to 2.4.2

#4 - 11/09/2017 10:50 AM - Anonymous

- Status changed from New to Feedback

- % Done changed from 0 to 100

Applied in changeset [e00f69c8cd29a58383ac40a8d1e30045449eec14](#).

#5 - 11/09/2017 11:59 AM - James Dekker

On pfSense-CE-memstick-ADI-2.4.2-DEVELOPMENT-amd64-20171108-1340 gitsync'd to master, the smoothing slider is available and helps make the graph more readable.

Looks good, safe to be set to Resolved, I think.

#6 - 11/09/2017 12:20 PM - Jim Pingle

- Status changed from Feedback to Resolved

Files

Screen Shot 2017-10-18 at 1.07.51 AM.png	42.4 KB	10/18/2017	Chris Linstruth