

pfSense - Bug #8263

Cannot create a nonlinear `Link Share` service curve because of: "the sum of the child bandwidth higher than parent"

01/07/2018 02:26 PM - Tom Misztur

Status:	New	Start date:	01/07/2018
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Traffic Shaper	Estimated time:	0.00 hour
Target version:	2.4.5	Affected Architecture:	amd64
Affected Version:	2.4.2_1		

Description

Problem:

- Cannot create a nonlinear service curve using `m1` and `d` variables with HFSC Scheduler. Traffic shaper does not allow to set an `m1` larger than `m2` when `m2`s of all queues sum up to 100%.

How to reproduce:

- create an HFSC queue on WAN interface; set bandwidth in Mb.
- create a single child queue "qInternetWAN"; set "Link Share" `m2` and "Upper Limit" `m2` to the same value as WAN bandwidth in Mb.
- create a child of "qInternetWAN" named "qDefault"; set it as "Default Queue"; set "Link Share" `m2` to 50%.
- create a child of "qInternetWAN" named "qACK"; set "Link Share" `m2` to 50%.
- Apply Changes - everything is fine.
- Open "qDefault"; set "Link Share" `m1` to 70%, `d` to 100, leave `m2` at 50%.
- Apply Changes - wait for 15 seconds, reload the page.
- You are going to get an alert:

```
Filter Reload
```

```
There were error(s) loading the rules: pfctl: the sum of the child bandwidth higher than parent "qInternetWAN" - The line in question reads [0]: @ 2018-01-07 21:16:18
```

From system logs:

```
php-fpm 16693 /firewall_shaper.php: The command 'killall qstats' returned exit code '1', the output was 'No matching processes were found'
php-fpm 16693 /rc.filter_configure_sync: New alert found: There were error(s) loading the rules: pfctl: the sum of the child bandwidth higher than parent "qInternetWAN" - The line in question reads [0]:
```

Version:

```
Version 2.4.2-RELEASE-p1 (amd64)
built on Tue Dec 12 13:45:26 CST 2017
FreeBSD 11.1-RELEASE-p6
```

```
The system is on the latest version.
```

```
Version information updated at Sun Jan 7 21:17:50 CET 2018
```

History

#1 - 02/01/2018 12:03 PM - Steve Beaver

- Target version changed from 2.4.3 to 2.4.4

Rescheduled for release 2.4.4

#2 - 08/14/2018 01:57 PM - Steve Beaver

- Target version changed from 2.4.4 to 2.4.5