

pfSense - Bug #6614

Dashboard high CPU usage

07/14/2016 12:32 PM - Harry Coin

Status:	Confirmed	Start date:	07/14/2016
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Web Interface	Estimated time:	0.00 hour
Target version:		Release Notes:	Default
Affected Version:	2.3.x		
Affected Architecture:			

Description

In a very low traffic sandbox environment, the new 2.3.2 snapshot of today hums along with a load average of 0.48 or so on a dual processor xeon sandbox with nobody logged in using the gui. I load the GUI and the load average jumps to 1.4 for a bit, then zips up to 3,x to q5.1 or so and stays locked there for as long as I'm logged in. Thing is really, really slow. All I'm doing is watching the dashboard.

last pid: 24693; load averages: 3.68, 2.40, 2.79

up 0+01:06:58 12:20:14

56 processes: 5 running, 51 sleeping

CPU: 1.8% user, 0.0% nice, 91.8% system, 5.3% interrupt, 1.2% idle

Mem: 74M Active, 81M Inact, 131M Wired, 96K Cache, 332M Buf, 1674M Free

Swap: 3072M Total, 3072M Free

PID	USERNAME	THR	PRI	NICE	SIZE	RES	STATE	C	TIME	WCPU	COMMAND
9331	root	1	82	0	16868K	5204K	RUN	0	0:04	34.47%	pfctl
14712	root	1	77	0	266M	34604K	CPU1	1	0:14	17.19%	php-fpm
30447	root	1	77	0	262M	38832K	RUN	1	0:09	16.55%	php-fpm
44294	root	1	52	0	266M	36592K	pipe	0	0:12	11.87%	php-fpm
33256	root	1	52	0	262M	38572K	pipe	1	0:09	4.59%	php-fpm
264	root	1	20	0	262M	24984K	kqread	1	0:04	0.10%	php-fpm
35943	root	1	20	0	16676K	2244K	bpf	0	0:02	0.10%	filterlog
6902	root	1	52	20	17000K	2580K	wait	0	1:09	0.00%	sh

Sometimes pfctl jumps to 40% load for a while and the php-fpm processes get less. When pfctl drops off the list, the php processes scale up. I'm going to delete items off the dashboard, to see if one of them is a culprit.

So... first candidate to delete: Interface Statistics. Nope. Still hanging up there, with 2 pfctls now. momentarily dtops back to 28% idle.. so, not interface stats.

Load balancer stats... gone. No obvious changes. 1.5% idle.

CARP stats... gone.. No obvious changes.

OpenVPN stats... gone. No obvious changes.

Interfaces... gone. No obvious changes.

Gateways ... gone... no obvious changes.

System information ... gone... the dashboard put it back....90% idle. There's the problem.

Maybe it's the scanner for the update? I'm told now that 2.3.2.a.20160714.1031 is available

I'm thinking maybe a memory leak / wedge in the dashboard system information panel?

History

#1 - 07/14/2016 01:16 PM - Harry Coin

I visit the package manager listing, loads hover around 1, processor 98% idle. Back to the dashboard: wait 20 sec for it all to settle and it's hovering now at 5.9% idle.

last pid: 38327; load averages: 2.29, 2.07, 1.47

up 0+00:35:19 13:14:29

58 processes: 6 running, 52 sleeping

CPU: 8.8% user, 0.0% nice, 84.2% system, 5.5% interrupt, 1.6% idle

Mem: 92M Active, 131M Inact, 272M Wired, 212M Buf, 1466M Free

Swap: 3072M Total, 3072M Free

Message from syslogd@gate1 at Jul 14 13:06:55 ... C TIME WCPU COMMAND

13189 root 1 52 0 262M 35616K RUN 1 0:02 10.25% php-fpm

98398 root 1 52 0 262M 35648K ppwait 1 0:02 10.25% php-fpm

78057 root 1 52 0 262M 38044K select 1 0:02 7.67% php-fpm

22394 root 1 29 0 262M 35420K accept 0 0:01 3.86% php-fpm

82631 root 1 52 20 17000K 2588K wait 1 0:39 0.20% sh

Every now and then a zombie pops up and the load decreases, then it goes back to the above:

last pid: 49149; load averages: 2.49, 2.15, 1.52

up 0+00:35:55 13:15:05

52 processes: 2 running, 49 sleeping, 1 zombie

CPU: 7.2% user, 3.1% nice, 62.5% system, 7.4% interrupt, 19.9% idle

Mem: 85M Active, 127M Inact, 270M Wired, 213M Buf, 1480M Free

Swap: 3072M Total, 3072M Free

PID	USERNAME	THR	PRI	NICE	SIZE	RES	STATE	C	TIME	WCPU	COMMAND
9541	root	1	34	0	262M	35556K	nanslp	0	0:02	10.35%	php-fpm
82631	root	1	93	20	17000K	2588K	CPU1	1	0:39	4.88%	sh
34075	root	1	20	0	21620K	5736K	select	1	0:06	0.00%	openvpn

last pid: 71403; load averages: 2.43, 2.25, 1.61

up 0+00:37:06 13:16:16

55 processes: 4 running, 50 sleeping, 1 zombie

CPU: 3.7% user, 0.0% nice, 87.5% system, 3.9% interrupt, 5.0% idle

Mem: 89M Active, 127M Inact, 271M Wired, 213M Buf, 1474M Free

Swap: 3072M Total, 3072M Free

PID	USERNAME	THR	PRI	NICE	SIZE	RES	STATE	C	TIME	WCPU	COMMAND
35987	root	1	79	0	262M	35696K	RUN	1	0:04	24.07%	php-fpm
50532	root	1	52	0	262M	35600K	piperd	0	0:01	8.15%	php-fpm
68827	root	5	20	0	15012K	2292K	accept	0	0:01	0.10%	dpinger
82631	root	1	52	20	17000K	2588K	wait	1	0:40	0.00%	sh

Loads spike to 5 when the pfctl process gets going to deal with a net interface going offline.

#2 - 07/14/2016 03:04 PM - Chris Buechler

- *Subject changed from Dashboard takes load av from 0.45 to 5+ to Dashboard high CPU usage*
- *Status changed from New to Confirmed*
- *Target version deleted (2.3.2)*
- *Affected Version changed from 2.3.2 to 2.3.x*
- *Affected Architecture added*
- *Affected Architecture deleted (amd64)*

the number of things that dynamically update is significantly higher than it was in 2.2.x and prior. Still, something someone should look at, as it seems excessive in some circumstances.