

pfSense - Bug #2555

check_reload_status consumes 100% CPU usage

07/22/2012 08:40 PM - Snowy Maslov

Status:	Resolved	Start date:	07/13/2012
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Unknown	Estimated time:	0.00 hour
Target version:	2.1	Affected Architecture:	i386
Affected Version:	2.1		

Description

As per forum thread located at <http://forum.pfsense.org/index.php/topic.51468.0.html>

check_reload_status takes 100% of CPU usage on a single core of the system as per below:

last pid: 29215; load averages: 1.38, 1.40, 1.40

up 0+09:55:15 10:44:17

44 processes: 2 running, 42 sleeping

CPU: 0.5% user, 10.9% nice, 14.9% system, 0.0% interrupt, 73.7% idle

Mem: 96M Active, 2481M Inact, 202M Wired, 55M Cache, 112M Buf, 163M Free

Swap: 8192M Total, 8192M Free

PID	USERNAME	THR	PRI	NICE	SIZE	RES	STATE	C	TIME	WCPU	COMMAND
44898	root	1	139	20	3416K	1204K	CPU1	1	1:24	100.00%	check_reload_status
27406	root	1	76	20	4600K	1472K	pipe	2	0:00	79.39%	rrdtool
25442	root	1	76	20	67176K	25336K	nanslp	0	0:00	79.20%	php
27298	root	1	76	20	3328K	1328K	select	3	0:00	79.20%	apinger
15513	root	1	76	0	8956K	4012K	select	1	0:00	2.59%	mpd5
56619	root	1	76	0	58984K	25204K	nanslp	3	0:14	2.49%	php
25181	root	1	48	0	3328K	1284K	select	2	0:00	2.49%	dhcp6c
21863	root	1	44	0	4976K	2068K	select	3	0:58	0.00%	syslogd
49548	root	5	64	20	19452K	12252K	nanslp	0	0:38	0.00%	ipfw-classifyd
49963	root	5	64	20	19452K	12352K	nanslp	0	0:36	0.00%	ipfw-classifyd
15687	root	1	48	0	3328K	1272K	select	2	0:19	0.00%	dhcp6c
36439	root	1	44	0	7744K	5376K	kqread	2	0:13	0.00%	lighttpd
22197	root	1	44	0	3328K	908K	pipe	2	0:12	0.00%	logger
22098	root	1	44	0	6952K	4192K	bpf	2	0:09	0.00%	tcpdump
47940	root	1	44	0	58984K	18288K	accept	1	0:04	0.00%	php
23644	root	1	44	0	3448K	1372K	select	0	0:02	0.00%	inetd
46389	root	1	44	0	3724K	1964K	CPU2	1	0:01	0.00%	top
9036	nobody	1	44	0	5576K	2488K	select	1	0:00	0.00%	dnsmasq
22640	root	1	44	0	8096K	3640K	select	0	0:00	0.00%	sshd
44179	root	1	44	0	3420K	1372K	nanslp	1	0:00	0.00%	cron
33288	root	1	44	0	6132K	6156K	select	2	0:00	0.00%	ntpd
2058	root	1	69	0	3328K	1044K	nanslp	1	0:00	0.00%	minicron
50815	root	1	76	20	3708K	1580K	wait	1	0:00	0.00%	sh
44249	root	2	44	0	4568K	1212K	nanslp	1	0:00	0.00%	sshlockout_pf
5698	root	1	76	0	3784K	1576K	wait	1	0:00	0.00%	login
16759	root	1	44	0	3328K	1304K	select	3	0:00	0.00%	radvd
43898	root	1	76	0	3736K	2328K	pause	0	0:00	0.00%	tcsh
35433	root	1	70	0	3708K	1556K	wait	0	0:00	0.00%	sh
13596	dhcpd	1	44	0	8448K	5324K	select	0	0:00	0.00%	dhcpd
15920	dhcpd	1	44	0	7424K	4028K	select	2	0:00	0.00%	dhcpd
7486	root	1	76	0	3708K	1280K	ttyin	1	0:00	0.00%	sh
5823	root	1	76	0	3708K	1280K	wait	3	0:00	0.00%	sh
6565	root	1	54	0	3328K	1124K	kqread	1	0:00	0.00%	dhcpleases
5625	root	1	44	0	5344K	2824K	select	2	0:00	0.00%	sshd
51581	root	1	45	0	3328K	1388K	select	0	0:00	0.00%	rsync
2561	root	1	48	0	3328K	1044K	nanslp	0	0:00	0.00%	minicron
329	root	1	44	0	3936K	2124K	select	1	0:00	0.00%	devd

```

19917 root      1  76   20 1576K  784K nanslp  3  0:00  0.00% sleep
 1784 root      1  59    0 3328K  996K wait   1  0:00  0.00% minicron
 2299 root      1  62    0 3328K  996K wait   3  0:00  0.00% minicron
 2657 root      1  66    0 3328K  996K wait   0  0:00  0.00% minicron
16102 root      1  76    0 1584K  872K kqread  0  0:00  0.00% dhcpleases6
 2858 root      1  65    0 3328K 1044K nanslp  1  0:00  0.00% minicron
44972 root      1  64   20 3416K 1084K kqread  2  0:00  0.00% check_reload_status

```

Common threads seem to be that it evolves around PPPoE and IPv6 enabled ISPs (Internode in Australia). Tested so far the following snapshots:

2.1-BETA0 (amd64)

built on Fri Jul 13 19:45:32 EDT 2012

FreeBSD 8.3-RELEASE-p3

2.1-BETA0 (i386)

built on Mon Jul 16 19:08:20 EDT 2012

FreeBSD 8.3-RELEASE-p3

2.1-BETA0 (i386)

built on Sat Jul 21 08:37:06 EDT 2012

FreeBSD 8.3-RELEASE-p3

History

#1 - 07/22/2012 08:56 PM - Chris Buechler

- Affected Version changed from 2.1-IPv6 to 2.1

#2 - 08/29/2012 02:45 PM - Jim Pingle

When this happens, please capture the full output of "ps uxawww" and attach it here. Odds are there are a batch of processes either calling, or launched by, check_reload_status and it would help to see which ones they are.

#3 - 08/29/2012 07:25 PM - Snowy Maslov

[2.1-BETA0][admin@pegacorn.snowy.org]/root(7): ps uxawww

```

USER      PID %CPU %MEM  VSZ  RSS  TT  STAT  STARTED      TIME  COMMAND
root      11 253.2  0.0    0    32  ??  RL   Wed05AM  4321:39.37 [idle]
root     319 100.0  0.0  3416 1164  ??  RNs  Wed05AM  1730:57.50 /usr/local/sbin/check_reload_status
root      12  2.7  0.0    0   232  ??  WL   Wed05AM   72:29.92 [intr]
root       0  0.0  0.0    0    88  ??  DLs  Wed05AM   0:12.26 [kernel]
root       1  0.0  0.0  1888   272  ??  SLs  Wed05AM   0:05.75 /sbin/init --
root       2  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.02 [g_event]
root       3  0.0  0.0    0     8  ??  DL   Wed05AM   1:33.13 [g_up]
root       4  0.0  0.0    0     8  ??  DL   Wed05AM   2:35.12 [g_down]
root       5  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.00 [crypto]
root       6  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.00 [crypto returns]
root       7  0.0  0.0    0     8  ??  DL   Wed05AM   0:01.20 [sctp_iterator]
root       8  0.0  0.0    0     8  ??  DL   Wed05AM   0:08.81 [pfpurge]
root       9  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.00 [xpt_thrd]
root      10  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.00 [audit]
root      13  0.0  0.0    0    32  ??  DL   Wed05AM   0:00.92 [ng_queue]
root      14  0.0  0.0    0     8  ??  DL   Wed05AM   4:00.69 [yarrow]
root      15  0.0  0.0    0   264  ??  DL   Wed05AM   0:03.97 [usb]
root      16  0.0  0.0    0     8  ??  DL   Wed05AM   0:01.18 [pagedaemon]
root      17  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.00 [vmdaemon]
root      18  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.00 [pagezero]
root      19  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.19 [idlepoll]
root      20  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.66 [bufdaemon]
root      21  0.0  0.0    0     8  ??  DL   Wed05AM   2:56.38 [syncer]
root      22  0.0  0.0    0     8  ??  DL   Wed05AM   0:02.43 [vnlru]
root      23  0.0  0.0    0     8  ??  DL   Wed05AM   0:00.82 [softdepflush]
root      39  0.0  0.0    0     8  ??  DL   Wed05AM   3:58.06 [md0]
root     321  0.0  0.0  3416   976  ??  IN   Wed05AM   0:00.00 check_reload_status: Monitoring daemon of check
_reload_status
root     332  0.0  0.1  3936  2124  ??  Is   Wed05AM   0:00.00 /sbin/devd
root     4363  0.0  0.1  6736  4540  ??  S    Wed05AM   8:37.83 /usr/local/sbin/lighttpd -f /var/etc/lighty-web

```

```

Configurator.conf
root 5029 0.0 0.1 8956 3692 ?? Ss Wed05AM 0:02.18 /usr/local/sbin/mpd5 -b -k -d /var/etc -f mpd_w
an.conf -p /var/run/pppoe_wan.pid -s ppp pppoeclient
root 6045 0.0 0.5 59008 17024 ?? S 8:57AM 0:25.78 /usr/local/bin/php
root 6134 0.0 0.1 5344 2756 ?? Is Wed05AM 0:00.00 /usr/sbin/sshd
root 11168 0.0 0.0 3328 1000 ?? Is Wed05AM 0:00.00 /usr/local/bin/minicron 240 /var/run/ping_hosts
.pid /usr/local/bin/ping_hosts.sh
root 11570 0.0 0.0 3328 1048 ?? I Wed05AM 0:00.11 minicron: helper /usr/local/bin/ping_hosts.sh
(minicron)
root 11575 0.0 0.0 3328 1000 ?? Is Wed05AM 0:00.00 /usr/local/bin/minicron 3600 /var/run/expire_ac
counts.pid /etc/rc.expireaccounts
root 12017 0.0 0.0 3328 1048 ?? I Wed05AM 0:00.01 minicron: helper /etc/rc.expireaccounts (minic
ron)
root 12260 0.0 0.0 3328 1000 ?? Is Wed05AM 0:00.00 /usr/local/bin/minicron 86400 /var/run/update_a
lias_url_data.pid /etc/rc.update_alias_url_data
root 12373 0.0 0.0 3328 1048 ?? I Wed05AM 0:00.00 minicron: helper /etc/rc.update_alias_url_data
(minicron)
dhcpd 13056 0.0 0.2 8448 5372 ?? Ss Wed05AM 0:06.46 /usr/local/sbin/dhcpd -user dhcpd -group _dhcp
-chroot /var/dhcpd -cf /etc/dhcpd.conf -pf /var/run/dhcpd.pid em0
dhcpd 14324 0.0 0.1 7680 4232 ?? Ss Wed05AM 0:05.58 /usr/local/sbin/dhcpd -6 -user dhcpd -group _dh
cp -chroot /var/dhcpd -cf /etc/dhcpdv6.conf -pf /var/run/dhcpdv6.pid em0
root 14840 0.0 0.0 1584 860 ?? Is Wed05AM 0:00.00 /usr/local/sbin/dhcreleases6 -c /usr/local/bin/p
hp -f /usr/local/sbin/prefixes.php|bin/sh -l /var/dhcpd/var/db/dhcpd6.leases
root 15345 0.0 0.0 3328 1252 ?? Ss Wed05AM 0:15.11 /usr/local/sbin/radvd -C /var/etc/radvd.conf -m
syslog
root 15385 0.0 0.0 3544 1192 ?? Is Wed05AM 0:00.02 /usr/local/sbin/sshlockout_pf 15
root 15869 0.0 0.0 3328 1340 ?? Is Wed05AM 0:00.18 /usr/local/sbin/dhcreleases -l /var/dhcpd/var/db
/dhcpd.leases -d snowy.org -p /var/run/dnsmasq.pid -h /var/etc/hosts
root 15901 0.0 0.0 3328 1240 ?? Ss Wed05AM 0:56.37 /usr/local/sbin/dhcp6c -d -c /var/etc/dhcp6c_wa
n.conf pppoe0
nobody 16426 0.0 0.1 5576 2396 ?? S Wed05AM 0:39.31 /usr/local/sbin/dnsmasq --local-ttl 1 --all-ser
vers --rebind-localhost-ok --stop-dns-rebind --dns-forward-max=5000 --cache-size=10000 --dhcp-hostsfile=/var/e
tc/hosts
root 18842 0.0 0.2 6132 6156 ?? Ss Wed05AM 0:41.36 /usr/local/bin/ntpd -g -c /var/etc/ntpd.conf
root 19213 0.0 0.1 8096 3560 ?? Ss 10:21AM 0:00.13 sshd: admin@pts/0 (sshd)
root 22551 0.0 0.1 4976 2068 ?? Ss Wed05AM 1:50.22 /usr/sbin/syslogd -c -c -l /var/dhcpd/var/run/l
og -f /var/etc/syslog.conf
root 33971 0.0 0.4 20476 13108 ?? SNs 11:13PM 0:36.60 /usr/local/sbin/ipfw-classifyd -n 8 -q 700 -c /
tmp/VoIP_High_Priority.17 -p 50196 -P /usr/local/share/protocols
root 41112 0.0 0.6 59008 17552 ?? S 10:20AM 0:02.18 /usr/local/bin/php
root 44990 0.0 0.0 3328 1328 ?? Ss 10:24AM 0:00.00 /usr/local/sbin/apinger -c /var/etc/apinger.con
f
root 45030 0.0 0.0 0 0 ?? Z 10:24AM 0:00.00 <defunct>
root 48450 0.0 0.0 1576 784 ?? IN 10:23AM 0:00.00 sleep 60
root 50884 0.0 0.0 3328 1356 ?? Is Wed05AM 0:00.00 /usr/local/bin/rsync --daemon
root 51925 0.0 0.0 3364 1416 ?? Ss Wed05AM 0:33.67 /usr/local/sbin/miniupnpd -f /var/etc/miniupnpd
.conf -P /var/run/miniupnpd.pid
root 52108 0.0 0.0 3448 1364 ?? Ss Wed05AM 0:05.93 /usr/sbin/inetd -wW -R 0 -a 127.0.0.1 /var/etc/
inetd.conf
root 52473 0.0 0.0 3420 1340 ?? Ss Wed05AM 0:00.30 /usr/sbin/cron -s
root 57036 0.0 0.5 22524 15700 ?? SNs 6:59PM 0:49.54 /usr/local/sbin/ipfw-classifyd -n 8 -q 700 -c /
tmp/P2P_Bulk_Transfer.17 -p 42570 -P /usr/local/share/protocols
root 15148 0.0 0.1 3784 1576 v0 Is Wed05AM 0:00.03 login [pam] (login)
root 15601 0.0 0.0 3708 1280 v0 I Wed05AM 0:00.01 -sh (sh)
root 16793 0.0 0.0 3708 1280 v0 I+ Wed05AM 0:00.01 /bin/sh /etc/rc.initial
root 21328 0.0 0.1 6952 4188 v0- S Wed05AM 0:09.38 /usr/sbin/tcpdump -s 256 -v -l -n -e -ttt -i pf
log0
root 21555 0.0 0.0 3328 904 v0- S Wed05AM 0:11.96 logger -t pf -p local0.info
root 49001 0.0 0.0 3708 1308 v0- IN Wed05AM 0:25.65 /bin/sh /var/db/rrd/updaterrd.sh
root 36699 0.0 0.0 3708 1288 0 Is 10:21AM 0:00.01 /bin/sh /etc/rc.initial
root 45338 0.0 0.0 3468 1236 0 R+ 10:24AM 0:00.00 ps uxawww
root 56283 0.0 0.1 3736 2244 0 S 10:21AM 0:00.03 /bin/tcsh
[2.1-BETA0] [admin@pegacorn.snowy.org]/root (8):

```

```

Current build:
2.1-BETA0 (i386)
built on Fri Aug 24 08:48:52 EDT 2012
FreeBSD 8.3-RELEASE-p4

```

#4 - 09/05/2012 05:27 PM - Gianluca Toso

I confirm the bug at least on all recent 64bit builds and in the last too:

2.1-BETA0 (amd64)

built on Tue Sep 4 16:39:48 EDT 2012

My platform:

vmware workstation (tested on 8 and 9, hw version 8)

Intel(R) Core(TM) i5 CPU 760 @ 2.80GHz

512MB RAM, 2 ethernet

The problem started when I enable prefix delegation on my cisco,

before i had only neighbor discovery router advertisements (ipv6 nd prefix ...) and pfsense at default dhcpv6.

Then I added:

ipv6 nd other-config-flag

ipv6 dhcp server IPV6_LAN

ipv6 dhcp pool IPV6_LAN

prefix-delegation pool IPV6_POOL

dns-server ...

domain-name ...

ipv6 local pool IPV6_POOL .../48 64

And the pfsense problems started,

even if I change in pfsense "DHCPv6 Prefix Delegation size" from 64 to none the problem persists.

Then only way is to set WAN to SLAAC, but then (at first reboot) the delegated IPv6 prefix disappears from pfsense.

USER	PID	%CPU	%MEM	VSZ	RSS	TT	STAT	STARTED	TIME	COMMAND
root	259	94.0	0.3	6988	1328	??	RNs	2:59PM	526:15.92	/usr/local/sbin/check_reload_status
root	0	0.0	0.0	0	144	??	DLs	2:59PM	0:03.27	[kernel]
root	1	0.0	0.1	3204	516	??	SLs	2:59PM	0:00.58	/sbin/init --
root	2	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[g_event]
root	3	0.0	0.0	0	16	??	DL	2:59PM	0:02.27	[g_up]
root	4	0.0	0.0	0	16	??	DL	2:59PM	0:35.34	[g_down]
root	5	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[crypto]
root	6	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[crypto returns]
root	7	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[mpt_recovery0]
root	8	0.0	0.0	0	16	??	DL	2:59PM	0:00.07	[fdc0]
root	9	0.0	0.0	0	16	??	IL	2:59PM	0:00.00	[HgfsKReqWorker]
root	10	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[audit]
root	11	0.0	0.0	0	16	??	RL	2:59PM	0:02.41	[idle]
root	12	0.0	0.1	0	272	??	WL	2:59PM	0:44.78	[intr]
root	13	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[ng_queue]
root	14	0.0	0.0	0	16	??	DL	2:59PM	0:00.74	[yarrow]
root	15	0.0	0.0	0	128	??	DL	2:59PM	0:01.06	[usb]
root	16	0.0	0.0	0	16	??	DL	2:59PM	0:00.04	[sctp_iterator]
root	17	0.0	0.0	0	16	??	DL	2:59PM	0:00.16	[pfpurge]
root	18	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[xpt_thrld]
root	19	0.0	0.0	0	16	??	DL	2:59PM	0:00.01	[pagedaemon]
root	20	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[vmdaemon]
root	21	0.0	0.0	0	16	??	DL	2:59PM	0:00.00	[pagezero]
root	22	0.0	0.0	0	16	??	DL	2:59PM	0:00.02	[idlepoll]
root	23	0.0	0.0	0	16	??	DL	2:59PM	0:00.06	[bufdaemon]
root	24	0.0	0.0	0	16	??	DL	2:59PM	0:00.59	[syncer]
root	25	0.0	0.0	0	16	??	DL	2:59PM	0:00.06	[vnlru]
root	26	0.0	0.0	0	16	??	DL	2:59PM	0:00.06	[softdepflush]
root	42	0.0	0.0	0	16	??	DL	2:59PM	0:01.56	[md0]
root	261	0.0	0.2	6988	1172	??	IN	2:59PM	0:00.00	check_reload_status: Monitoring daemon of check_reload_status
root	273	0.0	0.6	5248	3136	??	Is	2:59PM	0:00.00	/sbin/devd
root	5158	0.0	0.3	6952	1456	??	Is	2:59PM	0:00.00	dhclient: em0 [priv] (dhclient)
root	8602	0.0	0.7	15344	3548	??	Is	2:59PM	0:00.00	/usr/sbin/sshd
root	11382	0.0	0.2	5864	1108	??	Is	2:59PM	0:00.00	/usr/local/bin/minicron 240 /var/run/ping_hosts.pid /usr/local/bin/ping_hosts.sh
root	11645	0.0	0.2	5864	1168	??	I	2:59PM	0:00.02	minicron: helper /usr/local/bin/ping_hosts.sh (minicron)
root	11723	0.0	0.2	5864	1108	??	Is	2:59PM	0:00.00	/usr/local/bin/minicron 3600 /var/run/expire_accounts.pid /etc/rc.expireaccounts
root	11753	0.0	0.3	6952	1616	??	Ss	2:59PM	0:00.71	dhclient: em0 (dhclient)
root	12201	0.0	0.2	5864	1168	??	I	2:59PM	0:00.00	minicron: helper /etc/rc.expireaccounts (minicron)
root	12391	0.0	0.3	5860	1460	??	Ss	2:59PM	0:07.68	/usr/local/sbin/dhcp6c -d -c /var/etc/dhcp6c_wan.conf em0
root	12399	0.0	0.2	5864	1108	??	Is	2:59PM	0:00.00	/usr/local/bin/minicron 86400 /var/run/update_alias_url_data.pid /etc/rc.update_alias_url_data

```

root 13028 0.0 0.2 5864 1156 ?? I 2:59PM 0:00.00 minicron: helper /etc/rc.update_alias_url_data
(minicron)
root 17238 0.0 0.3 7116 1308 ?? Is 2:59PM 0:00.00 /usr/local/sbin/sshlockout_pf 15
root 18359 0.0 0.6 14864 2800 ?? Ss 2:59PM 0:04.45 /usr/sbin/syslogd -c -c -l /var/dhcpd/var/run/1
og -f /var/etc/syslog.conf
root 20844 0.0 0.3 9064 1560 ?? Ss 2:59PM 0:00.48 /usr/sbin/inetd -wW -R 0 -a 127.0.0.1 /var/etc/
inetd.conf
root 21887 0.0 1.4 57488 6780 ?? S 2:59PM 0:10.31 /usr/pbi/open-vm-tools-nox11-amd64/bin/vmtoolsd
-c /usr/local/share/vmware-tools/tools.conf -p /usr/local/lib/open-vm-tools/plugins/vmsvc
root 31941 0.0 1.1 23900 5736 ?? S 2:59PM 0:00.69 /usr/local/sbin/lighttpd -f /var/etc/lighty-web
Configurator.conf
root 32464 0.0 7.2 109932 35912 ?? I 2:59PM 0:00.24 /usr/local/bin/php
root 37117 0.0 8.0 109932 40264 ?? S 2:59PM 0:01.45 /usr/local/bin/php
dhcpd 39796 0.0 1.4 13088 7096 ?? Ss 2:59PM 0:00.41 /usr/local/sbin/dhcpd -user dhcpd -group _dhcp
-chroot /var/dhcpd -cf /etc/dhcpd.conf -pf /var/run/dhcpd.pid em1
dhcpd 41922 0.0 1.0 11168 4936 ?? Ss 2:59PM 0:00.52 /usr/local/sbin/dhcpd -6 -user dhcpd -group _dh
cp -chroot /var/dhcpd -cf /etc/dhcpdv6.conf -pf /var/run/dhcpdv6.pid em1
root 42751 0.0 0.2 2804 1024 ?? Is 2:59PM 0:00.00 /usr/local/sbin/dhcreleases6 -c /usr/local/bin/p
hp -f /usr/local/sbin/prefixes.php|/bin/sh -l /var/dhcpd/var/db/dhcpd6.leases
root 43474 0.0 1.4 14020 6940 ?? Ss 2:59PM 0:03.95 /usr/local/bin/ntpd -g -c /var/etc/ntpd.conf
root 44016 0.0 0.3 5864 1460 ?? Ss 2:59PM 0:02.03 /usr/local/sbin/radvd -C /var/etc/radvd.conf -m
syslog
nobody 47754 0.0 0.6 10184 3000 ?? I 2:59PM 0:00.01 /usr/local/sbin/dnsmasq --local-ttl 1 --all-ser
vers --rebind-localhost-ok --stop-dns-rebind --dns-forward-max=5000 --cache-size=10000
root 51703 0.0 0.2 2796 1000 ?? SN 12:21AM 0:00.00 sleep 60
root 54658 0.0 0.4 8376 1844 ?? S 12:21AM 0:00.00 /bin/sh /var/etc/dhcp6c_wan_script.sh
root 54832 0.0 7.6 118124 38324 ?? S 12:21AM 0:00.10 /usr/local/bin/php -f /etc/rc.newwanipv6 wan
root 61791 0.0 0.9 26244 4352 ?? Ss 12:18AM 0:00.03 sshd: root@pts/0 (sshd)
root 61855 0.0 0.3 8008 1584 ?? Is 2:59PM 0:00.03 /usr/sbin/cron -s
root 14485 0.0 0.4 19560 1832 v0 Is 2:59PM 0:00.00 login [pam] (login)
root 17325 0.0 0.3 8376 1704 v0 I 2:59PM 0:00.00 -sh (sh)
root 17591 0.0 0.5 11824 2632 v0- S 2:59PM 0:00.49 /usr/sbin/tcpdump -s 256 -v -l -n -e -ttt -i pf
log0
root 17887 0.0 0.2 5860 1044 v0- S 2:59PM 0:00.28 logger -t pf -p local0.info
root 18708 0.0 0.3 8376 1704 v0 I+ 2:59PM 0:00.00 /bin/sh /etc/rc.initial
root 55506 0.0 0.3 8376 1744 v0- SN 2:59PM 0:01.19 /bin/sh /var/db/rrd/updaterrd.sh
root 2148 0.0 0.4 8376 1816 0 Is 12:18AM 0:00.00 -sh (sh)
root 2719 0.0 0.4 8376 1820 0 I 12:18AM 0:00.00 /bin/sh /etc/rc.initial
root 11778 0.0 0.5 8348 2756 0 R 12:18AM 0:00.01 /bin/tcsh
root 56393 0.0 0.3 8072 1548 0 R+ 12:21AM 0:00.00 ps uxawww

```

```

Sep 6 00:22:49 php: : ROUTING: setting IPv6 default route to fe80::21b:cff:fec2:5f30%em0
Sep 6 00:22:49 php: : ROUTING: setting default route to 192.168.66.250
Sep 6 00:22:49 php: : dhcp6 lan with ipv6 address XXXX:XXXX:XXXX::1 based on wan
Sep 6 00:22:49 php: : Interface lan configured via wan type dhcp6
Sep 6 00:22:49 php: : interface lan depends on wan, configuring
Sep 6 00:22:49 php: : rc.newwanipv6: on (IP address: XXXX:XXXX:XXXX:XXXX:XXXX:XXXX:XXXX:XXXX) (interface:
wan) (real interface: em0).
Sep 6 00:22:49 php: : rc.newwanipv6: Informational is starting.
Sep 6 00:22:47 dhcp6c[12391]: update_ia: status code for NA-0: no addresses
Sep 6 00:22:46 php: : ROUTING: setting IPv6 default route to fe80::21b:cff:fec2:5f30%em0
Sep 6 00:22:46 php: : ROUTING: setting default route to 192.168.66.250
Sep 6 00:22:46 php: : dhcp6 lan with ipv6 address XXXX:XXXX:XXXX::1 based on wan
Sep 6 00:22:46 php: : Interface lan configured via wan type dhcp6
Sep 6 00:22:46 php: : interface lan depends on wan, configuring
Sep 6 00:22:46 php: : rc.newwanipv6: on (IP address: XXXX:XXXX:XXXX:XXXX:XXXX:XXXX:XXXX:XXXX) (interface:
wan) (real interface: em0).
Sep 6 00:22:46 php: : rc.newwanipv6: Informational is starting.
Sep 6 00:22:45 dhcp6c[12391]: update_ia: status code for NA-0: no addresses
Sep 6 00:22:44 php: : ROUTING: setting IPv6 default route to fe80::21b:cff:fec2:5f30%em0
Sep 6 00:22:44 php: : ROUTING: setting default route to 192.168.66.250
Sep 6 00:22:44 php: : dhcp6 lan with ipv6 address XXXX:XXXX:XXXX::1 based on wan
Sep 6 00:22:44 php: : Interface lan configured via wan type dhcp6
Sep 6 00:22:44 php: : interface lan depends on wan, configuring
Sep 6 00:22:44 php: : rc.newwanipv6: on (IP address: XXXX:XXXX:XXXX:XXXX:XXXX:XXXX:XXXX:XXXX) (interface:
wan) (real interface: em0).
Sep 6 00:22:44 php: : rc.newwanipv6: Informational is starting.
Sep 6 00:22:42 dhcp6c[12391]: update_ia: status code for NA-0: no addresses
...

```

and so on

#5 - 12/18/2012 08:10 AM - Ermal Luçi

Is this still valid issue on recent snaps?
If yes, than a look at why frequent updates are present there!

#6 - 01/25/2013 04:30 PM - Ermal Luçi

- Status changed from New to Feedback

This seems occasional since not many have reported it.

#7 - 02/17/2013 09:38 AM - Amy Alvarez

FYI this is still happening to me on 2.0.2 release.

#8 - 02/17/2013 09:41 AM - Amy Alvarez

Amy Alvarez wrote:

FYI this is still happening to me on 2.0.2 release.

I do have captive portal enabled, but I do not have vouchers enabled.

#9 - 02/21/2013 07:35 PM - Ben Harris

Tracked down the issue to dhcp6c calling rc.newwanip6 which called "filter reload" on check_reload_status.

The default dhcp6 config asks for stateful addressing ia-na, which my ISP doesn't provide, this causes dhcp6c to retry every 5 seconds, which results in check_reload_status getting swamped with filter reloads.

Fixed it in my case by commenting out the two ia-na lines in interfaces.inc.

#10 - 03/05/2013 09:03 PM - Chris Buechler

- Status changed from Feedback to Resolved

There are a wide range of issues unrelated to check_reload_status that can cause this. At the time of the original report there were several that have since been fixed. As JimP noted on the forum:

check_reload_status itself doesn't tend to be the problem in these cases. Something (such as rc.newwanip) calls pfSctl which routes a request through check_reload_status which in turn tries to take another action - the problem seems to happen more often when there are either:
(a) a lot of programs trying to make calls through check_reload_status
(b) whatever check_reload_status is calling is not behaving as expected

if there are any outstanding issues that cause check_reload_status to get hammered, the source issue needs to be tracked down and have its own ticket(s) opened.

#11 - 03/05/2013 09:06 PM - Snowy Maslov

Unfortunately I have moved on from pfsense so I can't recheck to see if this has been resolved in later versions still the above sounds like it would have solved - best left resolved and if other are still having issues they can re-open against the current version.

#12 - 04/15/2013 03:35 AM - Thomas Gruber

- File *ps-auxwww.log* added

- File *system.log* added

This still happens to me on
2.1-BETA1 (amd64)
built on Sun Apr 14 16:35:09 EDT 2013
FreeBSD 8.3-RELEASE-p7

Interestingly the CPU load produced by `check_reload_status` varies between 20% and 100%. Also the System reloads the rules over and over every 10 seconds. This can be observed in the System log i attached. From the log i can also read that the High load began when setting the IPv6 Gateway.

By now i deleted the v6 Gateway.
and Killed the `check_reload_status` process (gets restarted by WebUI)
and Rebooted the box
-> All this did not terminate the high load...

output of `ps auxwww` is also attached of course ;-)

#13 - 04/15/2013 03:51 AM - Chris Buechler

the issue in this ticket is resolved. `check_reload_status` having high CPU usage in current snapshots is a symptom of some other problem, not a problem in itself. Please post information to the 2.1 board on the forum so someone can help you troubleshoot the real cause.

Files

<code>ps-auxwww.log</code>	5.33 KB	04/15/2013	Thomas Gruber
<code>system.log</code>	414 KB	04/15/2013	Thomas Gruber