

## pfSense - Bug #7124

### Kernel panic when configuring 6to4 on a interface

01/15/2017 01:45 PM - Pi Ba

<b>Status:</b>	Resolved	<b>Start date:</b>	01/15/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Luiz Souza	<b>% Done:</b>	100%
<b>Category:</b>	Interfaces	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.4.0	<b>Affected Architecture:</b>	amd64
<b>Affected Version:</b>	2.4		

#### Description

Kernel panic when configuring 6to4 on a interface  
pfSense on virtualbox: 2.4.0-BETA (amd64) built on Sat Jan 14 10:34:34 CST 2017

Complete crash dumps also uploaded.

```
db:0:kdb.enter.default> bt
Tracing pid 98584 tid 100540 td 0xffffffff8002a350000
kdb_enter() at kdb_enter+0x3b/frame 0xffffffff82976970
vpanic() at vpanic+0x19f/frame 0xffffffff829769f0
panic() at panic+0x43/frame 0xffffffff82976a50
dblfault_handler() at dblfault_handler+0xa2/frame 0xffffffff82976a70
Xdblfault() at Xdblfault+0xac/frame 0xffffffff82976a70
--- trap 0x17, rip = 0xffffffff80f765c7, rsp = 0xfffffe004e200fe0, rbp = 0xfffffe004e201060 ---
pfr_walktree() at pfr_walktree+0x1a7/frame 0xfffffe004e201060
rn_walktree() at rn_walktree+0x70/frame 0xfffffe004e201090
pfr_dynaddr_update() at pfr_dynaddr_update+0x57/frame 0xfffffe004e2010d0
pfi_kif_update() at pfi_kif_update+0x2b/frame 0xfffffe004e201130
pfi_kif_update() at pfi_kif_update+0x19c/frame 0xfffffe004e201190
pfi_kif_update() at pfi_kif_update+0x19c/frame 0xfffffe004e2011f0
pfi_kif_update() at pfi_kif_update+0x19c/frame 0xfffffe004e201250
...
...
pfi_kif_update() at pfi_kif_update+0x19c/frame 0xfffffe004e204850
pfi_kif_update() at pfi_kif_update+0x19c/frame 0xfffffe004e2048b0
pfi_change_group_event() at pfi_change_group_event+0xb6/frame 0xfffffe004e2048e0
if_addgroup() at if_addgroup+0x984/frame 0xfffffe004e204940
if_clone_createif() at if_clone_createif+0x1bf/frame 0xfffffe004e204990
kern_ioctl() at kern_ioctl+0x2d4/frame 0xfffffe004e204a00
sys_ioctl() at sys_ioctl+0x171/frame 0xfffffe004e204ad0
amd64_syscall() at amd64_syscall+0x4ce/frame 0xfffffe004e204bf0
Xfast_syscall() at Xfast_syscall+0xfb/frame 0xfffffe004e204bf0
--- syscall (54, FreeBSD ELF64, sys_ioctl), rip = 0x801dfc0aa, rsp = 0x7fffffff9a988, rbp = 0x7ffff
ffffa9e0 ---
```

#### History

##### #1 - 01/18/2017 08:41 PM - Chris Palmer

Just want to confirm that this appears to have kept my box from booting. But would restart over and over. No logs to share. Once I deleted 6to4 from my WAN the box started just fine. Watchguard XTM5 box.

##### #2 - 01/25/2017 07:23 AM - Renato Botelho

- Status changed from New to Confirmed
- Assignee set to Luiz Souza

**#3 - 01/28/2017 08:21 PM - Luiz Souza**

- Status changed from *Confirmed* to *Feedback*

- % Done changed from 0 to 100

Fixed.

Relevant commit: <https://github.com/pfsense/FreeBSD-src/commit/c050d42a2646d2e582c46cc6f61531150ffb6cb9>

**#4 - 01/29/2017 12:52 PM - Pi Ba**

Thanks, i can no longer reproduce the panic.

If 6to4 itself works properly now i cant tell, i have not used it before..

If i configure ipv4 with: 12.13.14.15 i do see it has a v6 ip: 2002:c0d:e0f:: looks okay to me.. And surly better than the crash that happened before ;).

Anyhow this ticked can be closed imho. Thanks again.

**#5 - 01/29/2017 04:51 PM - Chris Palmer**

Confirmed working here as well. Thank You!

**#6 - 01/29/2017 06:12 PM - Chris Palmer**

Seems right now I cannot monitor the gateway though if I ping from diagnostics the ping returns fine.

Gateway monitor shows unreachable.

2002:c058:6301::1

Not sure if related.

**#7 - 01/29/2017 06:14 PM - Chris Palmer**

Actually just shows "Pending".

Other (2.3) box works.

**#8 - 01/29/2017 09:46 PM - Luiz Souza**

- Status changed from *Feedback* to *Resolved*

Yeah, that's a different issue, can you open a new ticket for it ?

Thanks!