

pfSense Packages - Regression #11634

bind hangs when pfsense is reconnecting as an openvpn client to a TUN openvpn server

03/08/2021 01:04 AM - Stéphane BARBARAY

Status:	New	Start date:	03/08/2021
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	BIND	Estimated time:	0.00 hour
Target version:		Affected Architecture:	amd64
Affected Version:	2.5.0		

Description

I encounter a problem with bind since 2.5.0, it stops responding to queries each time an openvpn disconnection/connection as a tun client is made to another ovpn server (so the pfsense here is an openvpn client to another pfsense)...

hereunder what happen in log when named stop responding...

```
filterdns9294: merge_config: configuration reload
```

```
[...]
```

```
named53473: network: error: creating IPv4 interface ovpsc2 failed; interface ignored
```

```
filterdns9294: merge_config: configuration reload
```

```
[...]
```

the only way to restart bind, without rebooting pfsense, is to kill named process via console, then start again via interface

to circumvent the problem :

- I changed the way openvpn is working by setting a TAP connection instead of TUN, so that interface is always ON even when reconnecting (it is working now for 40h without problem)
- I also removed the need to use filterdns by setting plain IP in aliases instead of FQDN

btw :

- the interfaces are set to "Listen on ALL interfaces" in bind config
- responding to queries and transferring zones thru vpn is required (and acl are sets)
- i upgraded to bind 9.16.12 with no more success to the problem
- unbound is totally disabled, only bind is used (there is no unbound process involved here)

History

#1 - 03/08/2021 07:31 AM - Jim Pingle

- Project changed from pfSense to pfSense Packages

- Category changed from DNS Resolver to BIND

#2 - 03/11/2021 02:17 AM - Stéphane BARBARAY

The problem seems worse than I thought : as soon as you restart an openvpn service, even as a server, or as soon as a network interface is reappearing, named will immediately hang...

#3 - 03/14/2021 05:23 AM - itfabrica Tech

Good day! I confirm the problem, I created a ticket, but I was told that this is not an error

<https://redmine.pfsense.org/issues/11542#change-51602>

#4 - 03/14/2021 07:23 AM - Stéphane BARBARAY

The problem is maybe not directly related, but I encountered this too, and if you wait 5mn before trying to reconnect without restarting openvpn service then it work again, but if you restart openvpn service then bind will stop processing queries because an interface disappeared then reappeared... So that the two combined problems are really annoying (to be polite)