# pfSense Packages - Feature #7792

## FRR pkg pfsense can not wok as ABR with stub areas (no stub area bit)

08/22/2017 01:26 AM - Constantine Kormashev

| | | | | |
|---|---|---|---|---|
| **Status:** | Resolved | | **Start date:** | 08/22/2017 |
| **Priority:** | Very Low | | **Due date:** | |
| **Assignee:** | Jim Pingle | | **% Done:** | 100% |
| **Category:** | FRR | | **Estimated time:** | 0.00 hour |
| **Target version:** | | | | |

**Description**

Setup pfsense as ABR with several areas and found one does not work properly if one of areas is stub. There are two moments:
1. No opportunity to setup one of area as stub in web interface
2. Even raw config is used there is not stub option in OSPF Hello:
*Aug 22 06:53:36.975: OSPF: Rcv hello from 172.16.150.43 area 0.0.0.1 from FastEthernet0/0.33 10.1.7.1
*Aug 22 06:53:36.975: OSPF: Hello from 10.1.7.1 with mismatched Stub/Transit area option bit

**History**

**#1 - 08/22/2017 07:42 AM - Jim Pingle**

*- Project changed from pfSense to pfSense Packages*

*- Category changed from Routing to FRR*

*- Assignee set to Jim Pingle*

*- Target version deleted (2.4.0)*

*- Affected Version deleted (2.4.x)*

**#2 - 08/22/2017 07:59 AM - Jim Pingle**

*- Tracker changed from Bug to Feature*

*- Priority changed from Normal to Very Low*

The "Disable FIB Updates" option is the only GUI control to setup stub areas but it is global, not per interface/network/etc. That doesn't appear to be a use case that was ever supported by the Quagga GUI and would take some redesign to accomplish. I'm not sure how common it would be in those role to be worth the work, but I'll take a look at it when I have some time.

As for using a raw config, if it doesn't work with a raw config and the config is correct for that role in FRR, then that would need reported upstream to FRR since it would be beyond our control at that point.

**#3 - 06/30/2019 09:57 PM - Jim Pingle**

*- Status changed from New to Feedback*

*- % Done changed from 0 to 100*

This should be possible with FRR pkg version 0.6: https://forum.netgate.com/topic/144572/frr-0-6-coming-big-changes-to-ospf

**#4 - 08/06/2019 04:15 AM - Constantine Kormashev**

Tried on latest stable 2.4.4-p3 with 6.0.2, it works fine, stub areas are handled by cisco router without issue.

**#5 - 08/06/2019 07:12 AM - Jim Pingle**

*- Status changed from Feedback to Resolved*

## Files

| | | | |
|---|---|---|---|
| ospfd_original.conf | 1.55 KB | 08/22/2017 | Constantine Kormashev |
| used_raw.conf | 1.01 KB | 08/22/2017 | Constantine Kormashev |