

## pfSense - Bug #6400

### assign\_interfaces.php issues with large numbers of interfaces

05/24/2016 03:55 PM - wot wot

|                          |            |                               |            |
|--------------------------|------------|-------------------------------|------------|
| <b>Status:</b>           | Closed     | <b>Start date:</b>            | 05/24/2016 |
| <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>   | 2.4.3      | <b>Affected Architecture:</b> | All        |
| <b>Affected Version:</b> | 2.3.x      |                               |            |

#### Description

On a firewall running 2.3.1, after creating ~200 vlans, assign\_interfaces.php gets very slow while taking 100% cpu. when selecting "assign interfaces" in the cli/console, a lot of "broken pipe" errors turn up before the usual config dialog begins.

I can help with debugging, the box in question however is in production.

#### History

##### #1 - 06/08/2016 11:00 AM - Luiz Souza

- Assignee set to Luiz Souza

##### #2 - 06/23/2016 06:46 AM - Gareth Hay

We have been doing some testing on one of our sites.

Under 2.2.4 no issue with 100 vlans, under 2.3.1-RELEASE-p5 at 40 vlans it takes around 27 seconds to open the page on our boxes and it is noticeably slower as you add vlans one by one.

At 100 vlans we get a 504 Gateway time out.

```
nginx: 2016/06/23 12:08:23 [error] 17180#0: *134 upstream timed out (60: Operation timed out) while reading response header from upstream, client: X.X.X.X, server: , request: "GET /interfaces_assign.php HTTP/1.1", upstream: "fastcgi://unix:/var/run/php-fpm.socket", host: "X.X.X.X", referer: "https://X.X.X.X/".
```

This also happens under the i386 architecture.

Think this is the same as Bug [#6520](#)

##### #3 - 06/23/2016 07:35 AM - Phillip Davis

Maybe this is somehow related to <https://redmine.pfsense.org/issues/6515>

When submitting a change in interfaces\_assign, interface\_configure() is called, and that calls link\_interface\_to\_vips() - the performance of which is improved by the change for 6515, in commit <https://github.com/pfsense/pfsense/commit/d75c55f98dfe782dfc9dc22f76765e4ef3c2>

It seems to me it would only help in a situation where there are a number of VIPs on the system, as well as a bunch of interfaces. So I am not sure that it is related, but would be worth applying the changes in that commit and see if anything improves.

**#4 - 07/11/2016 09:22 PM - Chris Buechler**

- File `1000-interface-config.xml` added
- Subject changed from `assign_interfaces` throws "broken pipe" errors to `assign_interfaces.php` issues with large numbers of interfaces
- Status changed from `New` to `Confirmed`
- Target version changed from `2.3.2` to `2.4.0`
- Affected Version changed from `2.3` to `2.3.x`
- Affected Architecture changed from `amd64` to `All`

Not seeing any issues with 200 assigned interfaces (somewhat slower than 2.2.x, but still usable), but take it up to 1000 and `assign_interfaces.php` is non-functional. 504 timeout

example config attached.

2.3.2 is too near-term for significant changes, historically things along these lines have lead to regressions for the 99.99999% in interest of fixing the 0.00001%, so pushing this to 2.4.0.

**#5 - 04/26/2017 01:44 PM - Clinton Cory**

- File `config-sanitized.xml` added

I'm seeing the same issue with a little over 200 VLAN interfaces on 2.3.3. Attached is the config I used.

**#6 - 05/15/2017 12:11 PM - Jonas Dreher**

I'm having the same issue with about 230 VLAN interfaces on 2.3.3.  
`Assign_Interfaces.php` is not usable and all configurations have to be done via console.

**#7 - 07/26/2017 07:09 AM - Jim Pingle**

See also: [#7726](#)

**#8 - 08/09/2017 11:55 PM - Luiz Souza**

- Target version changed from `2.4.0` to `2.4.1`

**#9 - 10/12/2017 10:03 AM - Jim Pingle**

- Target version changed from `2.4.1` to `2.4.2`

**#10 - 10/23/2017 12:19 PM - Jim Pingle**

- Target version changed from `2.4.2` to `2.4.3`

**#11 - 11/04/2017 07:07 AM - Steve Beaver**

<https://forum.pfsense.org/index.php?topic=137391.msg757023#msg757023>

**#12 - 11/23/2017 01:14 PM - Peter Schofield**

I have submitted a pull request that addresses this, waiting on pfSense devs now.

**#13 - 12/08/2017 11:12 AM - Jim Pingle**

- Status changed from `Confirmed` to `Feedback`
- % Done changed from `0` to `100`

PR <https://github.com/pfsense/pfsense/pull/3868> was merged on 11/29

**#14 - 01/29/2018 09:32 AM - Jim Pingle**

The previous PR was reverted. Current PR is <https://github.com/pfsense/pfsense/pull/3896> and it was merged on Jan 17.

**#15 - 02/24/2018 09:59 PM - James Dekker**

With the attached config's (1000-interface-config.xml) interfaces restored to 2.4.3.a.20180224.1542 running with 4G memory and 4 cores at ~3.5GHz the dashboard, interfaces page and other pages loaded quickly.

**#16 - 02/24/2018 10:17 PM - James Dekker**

Tried logging out, WebGUI hung. Tried console menu options 11/16 to get the WebGUI back to no avail.

**#17 - 02/24/2018 11:05 PM - James Dekker**

Retested With CE 2.4.3.a.20180224.1921 memstick installer and the interface names changed to match the NIC driver being used, performs quickly with no issues loading the dashboard, interfaces page, or other pages. Logging out works and rebooting works.

**#18 - 02/25/2018 06:39 AM - Renato Botelho**

- Status changed from Feedback to Closed

**Files**

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|                           |        |            |                |
|---------------------------|--------|------------|----------------|
| 1000-interface-config.xml | 230 KB | 07/12/2016 | Chris Buechler |
| config-sanitized.xml      | 110 KB | 04/26/2017 | Clinton Cory   |