

## pfSense - Bug #6227

### LAGG MTU not set correctly when it has child QinQ interfaces

04/21/2016 02:02 PM - Chris Rowe

<b>Status:</b>	Resolved	<b>Start date:</b>	04/21/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Luiz Souza	<b>% Done:</b>	0%
<b>Category:</b>	Interfaces	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.3.3	<b>Affected Version:</b>	2.3.x
<b>Plus Target Version:</b>		<b>Affected Architecture:</b>	
<b>Release Notes:</b>	Default		

#### Description

Issue number 2786 (<https://redmine.pfsense.org/issues/2786>) describes an issue where the MTU on the parent interfaces of a LAGG or VLAN were not being set correctly. This was resolved for the most part, but the solution didn't apply correctly for an instance where you have a QinQ on top of a LAGG. The MTU of the QinQ interfaces is not being read and hence the MTU of the parent interfaces and LAGG as a whole default to 1500.

I've managed to use the changes made in that bug to, for the most part, resolve this. Apologies, I'm not a programmer and don't have a clue how to create a diff or pull request. So for the moment will just upload the entire interface.inc that I have modified.

The changes I've made will check for any child QinQs on a LAGG, check their MTU values and set the LAGG MTU accordingly. Ideally, this would be modified slightly, so that if there are Child QinQs and no MTU has been explicitly set on them, the LAGG is set to 1504 to allow for the additional header overhead of the QinQ. I might take a look at doing this later.

#### History

##### #1 - 04/22/2016 03:16 AM - Chris Rowe

- File *interfaces.inc.diff* added

Figured out how to make a diff file of the changes, attached.

##### #2 - 04/24/2016 05:31 PM - Chris Rowe

Pull request submitted. <https://github.com/pfsense/pfsense/pull/2905>

##### #3 - 06/08/2016 09:24 AM - Luiz Souza

- Assignee set to Luiz Souza

##### #4 - 06/08/2016 06:27 PM - Chris Buechler

- Status changed from New to Confirmed

- Target version set to 2.3.2

- Affected Version changed from 2.3 to 2.3.x

that PR seems fine to merge. Luiz, please review and merge if agreed.

##### #5 - 07/06/2016 04:04 PM - Chris Buechler

- Target version changed from 2.3.2 to 2.4.0

##### #6 - 07/12/2016 03:12 PM - Chris Buechler

- Status changed from Confirmed to Feedback

PR merged

**#7 - 02/10/2017 10:27 AM - Jim Pingle**

- Status changed from *Feedback* to *Resolved*

- Target version changed from *2.4.0* to *2.3.3*

**Files**

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interfaces.inc	172 KB	04/21/2016	Chris Rowe
interfaces.inc.diff	1.92 KB	04/22/2016	Chris Rowe