

pfSense - Bug #11291

WireGuard MTU Can Flap between 1420 and 1500

01/22/2021 06:11 PM - Christian McDonald

Status:	Resolved	Start date:	01/22/2021
Priority:	Normal	Due date:	
Assignee:	Jim Pingle	% Done:	100%
Category:	WireGuard	Estimated time:	0.00 hour
Target version:	2.5.0	Affected Version:	2.5.x
Plus Target Version:		Affected Architecture:	
Release Notes:	Default		

Description

The default WireGuard MTU is typically 1420. However, I've observed cases where the wg interfaces will flap between 1500 and 1420. Explicitly configuring an MTU on the interface configuration fixes it

Associated revisions

Revision 8b9d2275 - 01/25/2021 07:33 AM - Jim Pingle

Use correct default MTU for WireGuard. Fixes #11291

History

#1 - 01/24/2021 02:11 PM - Christian McDonald

I've nailed down clear reproduction steps...assuming that you have a WG tunnel and it's corresponding wg interface assigned.

1. Go to the WG interface configuration and click save and apply.
2. Check Status > Interfaces and the WG interface will have an MTU of 1500
3. Go to the VPN > Wireguard > Tunnel configuration and click save
4. Check Status > Interfaces again and the WG interface will now have an MTU of 1420

This is obviously problematic and was discovered by OSPF adjacency issues because the remote end had a fixed MTU of 1420, which is the WG default. I've disable MTU mismatch detection on both ends for the time being.

#2 - 01/25/2021 07:22 AM - Jim Pingle

- Status changed from New to In Progress

- Assignee set to Jim Pingle

#3 - 01/25/2021 07:40 AM - Jim Pingle

- Status changed from In Progress to Feedback

- % Done changed from 0 to 100

Applied in changeset [8b9d2275015be7bf8febb1714f8a979d7c5f2beb](#).

#4 - 01/25/2021 07:54 AM - Christian McDonald

Looks good, thanks for the quick update

#5 - 01/26/2021 03:27 PM - Jim Pingle

- Status changed from Feedback to Resolved

MTU is stable on current snapshots. It's 1420 even after save/apply on an assigned interface.