

pfSense - Bug #9179

NAT reflection fix implemented for #8604 is causing WebUI and XMLRPC to fail on slave

12/07/2018 08:04 AM - Valentin N

Status:	New	Start date:	12/07/2018
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	NAT Reflection	Estimated time:	0.00 hour
Target version:		Affected Architecture:	
Affected Version:	2.4.4_1		

Description

Ref: <https://github.com/pfsense/pfsense/commit/6f8e648f5c88e04166539ab27872b13dfd587cb8> which fixed [#8604](#)

Whenever XMLRPC sync is triggered the slave no longer responds to the WebUI or XMLRPC (sometimes it takes a 2nd XMLRPC sync for this to trigger). The work-around is to restart PHP-FPM. Rolling back the commit above fixes the problem in my case.

It seems the call to `get_interface_ip()` is expensive (1 second per call), which causes each NAT reflection rule generation to take roughly 3 second to complete. With a large number of rules and gateways this seems to be a problem since the filter reload takes up to 2 minutes generate the rules. With the commit above reverted the filter reload takes less than 5 seconds.

I suspect there is a more optimal way to check if the interface has an IP assigned other than calling `get_interface_ip()`. I am not familiar with the code and, although this might not be generally true (to be verified), from my experiments it seems that `get_interface_ip()` returns the same value as `$ifsubnet_ip`, which could be substituted in place of the call.