

pfSense - Bug #7659

Crash "Invalid argument supplied for foreach() in /etc/inc/gwlb.inc on line 1739" when defining a IPv4 or IPv6 IP + adding gateway.

06/24/2017 10:54 AM - Dan Lundqvist

Status:	Resolved	Start date:	06/24/2017
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:	Interfaces	Estimated time:	0.00 hour
Target version:	2.3.4-p1		
Affected Version:	2.4	Affected Architecture:	

Description

RUNNING ON: **pfSense-CE-2.4.0-BETA-amd64-20170623-1439.iso** fresh installed today 24/6.2017 in VirtualBox and no other config done.

I was testing another bug [#7452](#) and stumbled on a program crash bug "Invalid argument supplied for foreach() in /etc/inc/gwlb.inc on line 1739" when defining a IPv4 or IPv6 IP + adding gateway.

Problem is reproducible several times and also both IPv4 and IPv6.

Seems like the data in "\$gateway_settings4" or "\$gateway_settings6" that is sent to function "save_gateway" in gw.inc is not equal to what it expects.

The error is as follows:

amd64 11.0-RELEASE-p10

FreeBSD 11.0-RELEASE-p10 #141 b9f3af6b8a6(RELENG_2_4): Fri Jun 23 14:46:52 CDT 2017 root@buildbot2.netgate.com
:/builder/ce/tmp/obj/builder/ce/tmp/FreeBSD-src/sys/pfSense

Crash report details:

PHP Errors:

[24-Jun-2017 16:20:30 Europe/Stockholm] PHP Warning: Invalid argument supplied for foreach() in /etc/inc/gwlb.inc on line 1739

[24-Jun-2017 16:20:30 Europe/Stockholm] PHP Stack trace:

[24-Jun-2017 16:20:30 Europe/Stockholm] PHP 1. {main}() /usr/local/www/interfaces.php:0

[24-Jun-2017 16:20:30 Europe/Stockholm] PHP 2. save_gateway() /usr/local/www/interfaces.php:1473

No FreeBSD crash data found.

The coding in gw.inc where the error occurs.

GW.INC

PHP Warning: Invalid argument supplied for foreach() in /etc/inc/gwlb.inc on line 1739

(the foreach row)

```
if ($gateway_settings['defaultgw'] "yes" || $gateway_settings['defaultgw'] "on") {
    $i = 0;
    /* remove the default gateway bits for all gateways with the same address family */
    foreach ($a_gateway_item as $gw) {
        if ($gateway['ipprotocol'] == $gw['ipprotocol']) {
            unset($config['gateways']['gateway_item'][$i]['defaultgw']);
            if ($gw['interface'] != $gateway_settings['interface'] && $gw['defaultgw']) {
                $reloadif = $gw['interface'];
            }
        }
        $i++;
    }
    $gateway['defaultgw'] = true;
}
```

INTERFACES.PHP

PHP 2. save_gateway() /usr/local/www/interfaces.php:1473

```
if ($_POST['gatewayip4']) {  
    save_gateway($gateway_settings4);  
}
```

The data in interfaces for "\$gatewayip4" is the following in interfaces.php

```
if ($_POST['gatewayip4']) {  
    // The user wants to add an IPv4 gateway - validate the settings  
    $gateway_settings4 = array();  
    $gateway_settings4['name'] = $_POST['gatewayname4'];  
    $gateway_settings4['interface'] = $_POST['if'];  
    $gateway_settings4['gateway'] = $_POST['gatewayip4'];  
    $gateway_settings4['descr'] = $_POST['gatewaydescr4'];  
    $gateway_settings4['defaultgw'] = $_POST['defaultgw4'];  
}
```

Problem (crash) seems to happen every time you save the settings for IPv4 but also on IPv6 (row 1477 in "interfaces.php").

I have submitted these crashes to the devteam from pfsense.

Best regards
Dan Lundqvist
MRZAZ.COM

History

#1 - 06/24/2017 09:32 PM - Phillip Davis

See PR <https://github.com/pfsense/pfsense/pull/3764>

#2 - 06/28/2017 06:48 PM - Dan Lundqvist

Hi Philip,

I updated the PF to 2.4.0-BETA (amd64) built on Wed Jun 28 16:02:43 CDT 2017 today and redid the procedure and now there is no crash from what I could see.

Also checked the /etc/inc/gwlb.inc and it contained your merged pull. So I think we could close this ticket.

Thanks.

Best regards
Dan Lundqvist
MRZAZ.COM

#3 - 07/01/2017 07:52 PM - Jim Pingle

- Status changed from New to Resolved

#4 - 07/14/2017 02:10 PM - Jim Pingle

- Target version changed from 2.4.0 to 2.3.4-p1

Files

