

## pfSense - Bug #8586

### Gateway Group trigger level

06/20/2018 11:35 AM - Mauro Parente

<b>Status:</b>	Resolved	<b>Start date:</b>	06/20/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jim Pingle	<b>% Done:</b>	100%
<b>Category:</b>	Gateways	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.4.4		
<b>Affected Version:</b>	All	<b>Affected Architecture:</b>	All

#### Description

Hi to all,  
i think there is a problem using trigger level in gateway group other than "member down".

In function "return\_gateway\_groups\_array" in file "/etc/inc/gwlb.inc" there is a check over the gateway group trigger, but it cannot work, because in config the trigger is saved as integer (0, 1, 2, 3) while the check try to find word ("loss", "latency").

Someone can confirm that?

#### CONFIG

```
Array
(
  [0] => Array
    (
      [name] => GW_WAN_GROUP_01
      [item] => Array
        (
          [0] => WAN_UMTSGW|1|_vip5a60be577ad2b
          [1] => WAN_VSATGW|2|_vip5a4bc724a886d
        )
      [trigger] => 0
      [descr] =>
    )
  [1] => Array
    (
      [name] => WAN_GROUP_PROD
      [item] => Array
        (
          [0] => WAN_VSATGW|2|_vip5a4bc724a886d
        )
      [trigger] => 1
      [descr] =>
    )
  [2] => Array
    (
      [name] => WAN_GROUP_EMER
      [item] => Array
        (
          [0] => WAN_UMTSGW|1|address
          [1] => WAN_VSATGW|2|address
        )
      [trigger] => 0
      [descr] =>
    )
)
```

```
)  
  
)
```

## CHECK

```
        if (stristr($status['status'], "down")) {  
            $msg = sprintf(gettext('MONITOR: %1$s is down, omi  
tting from routing group %2$s'), $gwname, $group['name']);  
            $gwdown = true;  
        } else if (stristr($status['status'], "loss") && strstr($g  
roup['trigger'], "loss")) {  
            /* packet loss */  
            $msg = sprintf(gettext('MONITOR: %1$s has packet l  
oss, omitting from routing group %2$s'), $gwname, $group['name']);  
            $gwdown = true;  
        } else if (stristr($status['status'], "delay") && strstr($  
group['trigger'] , "latency")) {  
            /* high latency */  
            $msg = sprintf(gettext('MONITOR: %1$s has high lat  
ency, omitting from routing group %2$s'), $gwname, $group['name']);  
            $gwdown = true;  
        }  
    }
```

## Associated revisions

### Revision 9fa8c7de - 07/02/2018 11:08 AM - Jim Pingle

Make GUI/config values for gateway groups match what the backend code expects. Fixes #8586

## History

### #1 - 06/28/2018 12:48 AM - Jim Thompson

- Assignee set to Jim Pingle
- Priority changed from High to Normal
- Target version set to 2.4.4

### #2 - 07/02/2018 11:20 AM - Jim Pingle

- Status changed from New to Feedback
- % Done changed from 0 to 100

Applied in changeset [9fa8c7de7bca843a3157807c66fec3159b701ac](#).

### #3 - 07/07/2018 01:05 PM - Chris Macmahon

2.4.4-DEVELOPMENT (amd64)  
built on Fri Jul 06 15:23:49 EDT 2018  
FreeBSD 11.2-RELEASE

2 gateways, setup a failover and a load balance groups.

Introduced packet loss/latency, on one of the wan links the other took over and worked as expected in a fail over setup.

Removed packet loss/latency on link and the link came back up.

Tested OK

**#4 - 07/16/2018 07:25 AM - Jim Pingle**

- *Status changed from Feedback to Resolved*
- *Affected Version set to All*
- *Affected Architecture set to All*