# pfSense - Bug #8593

## Extend maximum gateway monitoring ping interval

06/22/2018 02:05 PM - Justin Coffman

| | | | | |
|---|---|---|---|---|
| **Status:** | Resolved | | **Start date:** | 06/22/2018 |
| **Priority:** | Normal | | **Due date:** | |
| **Assignee:** | Jim Pingle | | **% Done:** | 0% |
| **Category:** | Gateway monitoring | | **Estimated time:** | 0.00 hour |
| **Target version:** | 2.4.4 | | | |
| **Affected Version:** | 2.4.x | | **Affected Architecture:** | All |

**Description**

The existing maximum gateway monitoring ping interval is 86,400 ms, or about a minute and a half. Over strictly metered connections, such as cellular backups, this can add up to significant costs over time. Recommend increasing the maximum monitoring interval to 86,400,000 ms (24 hours). PR to follow.

**History**

**#1 - 06/22/2018 02:07 PM - Justin Coffman**

Submitted PR: https://github.com/pfsense/pfsense/pull/3953

**#2 - 06/22/2018 02:15 PM - Jim Pingle**

The 86400 limit is likely a holdover from when it used to be seconds, but letting it go up to a full day seems like it wouldn't be very useful in practice. I'd say the highest it should go should maybe be around 30-60 minutes.

Beyond that, the check can be disabled so the gateway is assumed to be up, which is better for backup cellular WANs since it wouldn't send any checks. If it's a PPP device on the firewall you can see the up/down status in the interfaces widget/status since it would show the login uptime. If it's a device that exposes the connection as Ethernet that's trickier.

**#3 - 06/22/2018 02:25 PM - Justin Coffman**

I can modify it down to 3,600,000 ms (60 minutes) in the PR, if that works.

**#4 - 06/22/2018 02:41 PM - Jim Pingle**

*- Category set to Gateway monitoring*

*- Target version set to 2.4.4*

*- Affected Version set to 2.4.x*

*- Affected Architecture set to All*

I'd prefer that, but it's open for debate if there is a valid use case I'm not thinking of.

**#5 - 06/22/2018 02:57 PM - Justin Coffman**

I'll be honest, I didn't really have a maximum value in mind. I saw the existing value and thought "oh, they must have meant 86400 seconds, because that's a full day," and tacked on three zeroes. I do agree that a monitoring interval that long would have limited real world value. I'll bring the value down to 60 minutes.

**#6 - 06/22/2018 02:59 PM - Justin Coffman**

Change committed to the PR branch.

**#7 - 06/26/2018 10:05 AM - Jim Pingle**

*- Assignee set to Jim Pingle*


**#8 - 07/03/2018 02:12 PM - Jim Pingle**

*- Status changed from New to Feedback*


PR merged


**#9 - 07/05/2018 04:49 PM - James Dekker**

On 2.4.4.a.20180705.0032 you're able to set the probe interval to a max value of 36000000 as expected.


**#10 - 07/06/2018 07:22 AM - Jim Pingle**

*- Status changed from Feedback to Resolved*