

## pfSense - Bug #11718

### XMLRPC Client does not honor its default timeout value

03/22/2021 02:17 PM - Vincent Caron

<b>Status:</b>	Resolved	<b>Start date:</b>	03/22/2021
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	XMLRPC	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.5.2	<b>Affected Version:</b>	2.5.0
<b>Plus Target Version:</b>	21.05	<b>Affected</b>	All
<b>Release Notes:</b>	Default	<b>Architecture:</b>	

#### Description

I have traced an XMLRPC problem where I got a systematic mysterious error when starting a sync between my firewalls (on a dedicated crossover link) :

"A communications error occurred while attempting to call XMLRPC method host\_firmware\_version: @ 2021-03-19 16:30:45"

First, it turns out that the XMLRPC exception is not properly printed out which did not help to diagnose the problem. I made this simple change in xmlrpc\_client.php :

```
- $this->error = "A communications error occurred while attempting to call XMLRPC method {$method}
: " . $errmsg[1];
+ $this->error = "A communications error occurred while attempting to call XMLRPC method {$method}
: " . $e->getMessage();
```

With this patch things started to get more helpful, the error message turned into :

"A communications error occurred while attempting to call XMLRPC method restore\_config\_section: Request timed out due to default\_socket\_timeout php.ini setting"

It turns out that php.ini has no 'default\_socket\_timeout', and the internal default is 60s. As a quick test I added default\_socket\_timeout=240 in '/etc/rc.php\_ini\_setup' then restarted PHP-FPM. My sync finally worked, because it turned out that it took 107s to sync (I have 253 interfaces, maybe that's related).

I think that the XMLRPC client should at least call ini\_set('default\_socket\_timeout', \$timeout) before invoking a remote method in order for it to honour its default 240s \$timeout.

#### Associated revisions

**Revision 4f26f187 - 05/12/2021 07:12 AM - Viktor Gurov**

Set default\_socket\_timeout on XMLRPC sync. Fixes #11718

#### History

**#1 - 03/24/2021 06:50 AM - Viktor Gurov**

[https://gitlab.netgate.com/pfSense/pfSense/-/merge\\_requests/203](https://gitlab.netgate.com/pfSense/pfSense/-/merge_requests/203)

**#2 - 03/29/2021 08:07 AM - Jim Pingle**

- Status changed from New to Pull Request Review

- Target version set to CE-Next

**#3 - 03/29/2021 08:08 AM - Jim Pingle**

- Subject changed from xmlrpc\_client.php cannot honor its 240s default timeout because default\_socket\_timeout is not defined and defaults to 60s

*(with patch) to XMLRPC Client does not honor its default timeout value*

Simplifying subject for release notes.

**#4 - 05/11/2021 03:08 PM - Jim Pingle**

*- Plus Target Version set to 21.05*

**#5 - 05/12/2021 07:13 AM - Steve Beaver**

*- Status changed from Pull Request Review to Feedback*

**#6 - 05/12/2021 07:20 AM - Viktor Gurov**

*- % Done changed from 0 to 100*

Applied in changeset [4f26f187d8cc5028646e86fbb95ce91552d062c2](#).

**#7 - 05/27/2021 07:56 AM - Jim Pingle**

*- Target version changed from CE-Next to 2.5.2*

**#8 - 05/30/2021 08:43 PM - Marcos Mendoza**

*- Status changed from Feedback to Resolved*

This fix has resolved a couple of different setups where the 60s timeout was being hit. Afterwards, the xmlrpc calls completed successfully.

Marking as resolved.