

## pfSense - Bug #5329

### XMLRPC HA sync is not working with https

10/21/2015 09:02 AM - Renato Botelho

<b>Status:</b>	Resolved	<b>Start date:</b>	10/21/2015
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Renato Botelho	<b>% Done:</b>	100%
<b>Category:</b>	Config sync	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.3	<b>Affected Architecture:</b>	
<b>Affected Version:</b>	2.3		

#### Description

To reproduce setup 2 pfSense boxes using https and then set HA XMLRPC sync and Notices like this will popup:

A communications error occurred while attempting XMLRPC sync with username admin <https://192.168.1.6:443>. @ 2015-10-21 12:08:46

#### Associated revisions

##### Revision 8540bdcb - 11/20/2015 05:30 AM - Renato Botelho

Fix #5329

Since PHP 5.6, fsockopen() is checking SSL certificates, xmlrpc\_client is used only for HA today so it's safe to disable this check.

Since fsockopen() doesn't provide a way to disable it, move code to use stream\_socket\_client()

#### History

##### #1 - 11/10/2015 01:53 PM - Jim Thompson

- Assignee set to Renato Botelho

##### #2 - 11/10/2015 09:59 PM - Chris Buechler

- Status changed from New to Confirmed

- Priority changed from Normal to High

##### #3 - 11/13/2015 01:43 PM - Jeremy Porter

Tried turning off config sync over HTTPS, still get errors, will capture some traffic in a bit:

A communications error occurred while attempting XMLRPC sync with username admin <https://192.168.13.3:443>. 2015-11-12 14:21:47

A communications error occurred while attempting XMLRPC sync with username admin <https://192.168.13.3:443>. 2015-11-12 14:21:48

A communications error occurred while attempting XMLRPC sync with username admin <https://192.168.13.3:443>. 2015-11-12 16:30:53

A communications error occurred while attempting XMLRPC sync with username admin <https://192.168.13.3:443>. 2015-11-12 16:30:54

An error code was received while attempting XMLRPC sync with username admin <http://192.168.13.3:80> - Code 2: Invalid return payload: enable debugging to examine incoming payload 2015-11-12 16:54:37

An error code was received while attempting XMLRPC sync with username admin <http://192.168.13.3:80> - Code 2: Invalid return payload: enable debugging to examine incoming payload 2015-11-12 16:55:57

An error code was received while attempting XMLRPC sync with username admin <http://192.168.13.3:80> - Code 2: Invalid return payload: enable debugging to examine incoming payload 2015-11-12 20:37:09

An error code was received while attempting XMLRPC sync with username admin <http://192.168.13.3:80> - Code 2: Invalid return payload: enable debugging to examine incoming payload 2015-11-12 20:47:12

#### #4 - 11/18/2015 11:04 PM - Chris Buechler

- Category changed from *High Availability* to *Config sync*

This looks to be something enabling certificate validation where it wasn't enabled before, though not clear where that is. Not web server-specific as it's the same if you swap out lighttpd for nginx. It fails before even sending the request.

It works fine over HTTP.

#### #5 - 11/19/2015 12:35 PM - Renato Botelho

- Tracker changed from *Bug* to *Todo*

- Subject changed from *XMLRPC HA sync is not working with https* to *Replace fsockopen() calls by stream\_socket\_client()*

Since PHP 5.6 fsockopen() started to validate SSL certificate, and it doesn't provide an option to disable verification. Replace all calls by stream\_socket\_client() disabling, code sample here:

```
$context_options = array(
    'ssl' => array(
        'verify_peer' => false,
        'verify_peer_name' => false
    )
);
$context = stream_context_create($context_options);
$fp = stream_socket_client("{protocol}{server}:{port}",
    $this->errno, $this->errstr, $timeout,
    STREAM_CLIENT_CONNECT, $context);
```

#### #6 - 11/20/2015 05:21 AM - Renato Botelho

- Tracker changed from *Todo* to *Bug*

- Subject changed from *Replace fsockopen() calls by stream\_socket\_client()* to *XMLRPC HA sync is not working with https*

- Status changed from *Confirmed* to *Assigned*

#### #7 - 11/20/2015 05:30 AM - Renato Botelho

- Status changed from *Assigned* to *Feedback*

- % Done changed from 0 to 100

Applied in changeset [8540bdcb64162f9afb3361f395c0e4f301312b2](#).

#### #8 - 11/21/2015 02:12 AM - Chris Buechler

- Status changed from *Feedback* to *Resolved*

- Affected Version set to 2.3

fixed