# pfSense - Feature #2552

## Set the timezone in setup_php_ini.sh

07/18/2012 06:48 AM - Seth Mos

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|---|---|---|---|
| **Status:** | Resolved | **Start date:** | 07/18/2012 |
| **Priority:** | Low | **Due date:** | |
| **Assignee:** | Seth Mos | **% Done:** | 0% |
| **Category:** | | **Estimated time:** | 0.00 hour |
| **Target version:** | | | |
| **Plus Target Version:** | | **Release Notes:** | |

**Description**

We do not currently set the system timezone in php.ini
Doing so would make it easier for package maintainers.

## Associated revisions

**Revision 9d0be827 - 07/18/2012 08:03 AM - Seth Mos**

Set the date.timezone from the XML directly when we setup PHP to prevent messages
Adjust the timeouts to something more sane then 99999999. Do note that these might need to be adjusted later.
Also note that most of these are not applicable when used from the CLI.
The maximum time limit is now 1 hour, execution time is 15 minutes and input time for post is 30 minutes (firmware upgrade)
Redmine ticket #2552

**Revision 7e824233 - 07/18/2012 08:04 AM - Seth Mos**

Actually reflect the right timeout values for redmine ticket #2552

## History

**#1 - 07/18/2012 07:14 AM - Seth Mos**

*- Status changed from New to Feedback*

Set the timezone in php.ini now. Seems to work for me.
Also adjust the execution timeouts, this would mean that at some point a hanging script will be terminated and we have a chance of the box recovering in about an hour of waiting.

The values do not apply to PHP CLI script as per the manual. So these should be safe.

**#2 - 07/22/2012 04:28 AM - Phillip Davis**

Re: execution timeouts
I did some research and testing on this, as I have slow links in places (128kbps) and some package downloads or firmware upgrades certainly take more than 30 minutes, and sometimes more than an hour.

set_time_limit is actually NOT a php.ini parameter. It is a PHP function. To avoid future confusion, this can be removed from rc.php_ini_setup.
max_execution_time is the php.ini parameter, set_time_limit function modifies this for a script at run time.

I tested by:
a) Modify rc.php_ini_setup, set_time_limit = 1, reboot. Install Cron, OpenVPN Client Export Utility and Squid3 packages (a variation of sizes, download times, extract times...). All goes fine. Remove the packages.

b) Modify rc.php_ini_setup, remove set_time_limit = 1, reboot. Install Cron, OpenVPN Client Export Utility and Squid3 packages. All goes fine. Remove the packages.

So set_time_limit in php.ini is not effecting PHP. Note that online comments on php.ini inidicate that it is not parsed for errors - extra "parameters" and their settings can be put in it and they are simply ignored.

**#3 - 07/22/2012 04:38 AM - Phillip Davis**

Re: execution timeouts - max_execution_time and max_input_time
I reduced these to see what would happen for package installs.
At silly values:
max_execution_time = 2
max_input_time = 4
The system gets errors at boot, so it doesn't even come up - have to use the serial console to put things back.
[22-Jul-2012 07:39:57 UTC] PHP Fatal error:  Maximum execution time of 2 seconds exceeded in /etc/inc/xmlparse.inc on line 73

Set the following:
max_execution_time = 5
max_input_time = 10
Reboot
System boots OK
Installed Cron, OpenVPN Client Export Utility and Squid3
The PBI downloads are much longer than 5 or 10 seconds. The PBI extracts also taker longer than 5 or 10 seconds. But it all works fine.
The PHP doc implies that these time limits are CPU time executing PHP - they don't include time doing/waiting for system events (file I/O etc). There is an indication that the elapsed time might be used in Windows (IIS).
I guess the package downloading code is putting progress updates on the GUI every now and then, also restarting any timer.
Anyway, the limits set (1800, 3600 seconds) I think will catch PHP code that goes into a loop and chews up 30/60 minutes of CPU time. A download that hangs or is extremely slow might not ever be caught by these timers, or would takes ages to accumulate the CPU time.
I don't think any change is really needed (although the system should work fine with a limit of a few minutes) - just thought I would document my testing for the future.

### #4 - 07/22/2012 04:48 AM - Phillip Davis

Small edit of my previous post: the limits are actually set to (900, 1800) seconds (15/30 minutes) and work fine like this.
When the next build is available I will try a download of the 70+MB on my 128kbps link and report the result.

### #5 - 07/22/2012 05:00 AM - Phillip Davis

For info, the current full text of the default php.ini is available at:
http://svn.php.net/viewvc/php/php-src/trunk/php.ini-production?view=co

### #6 - 07/22/2012 09:26 PM - Phillip Davis

Used a slow link to do a Firmware Upgrade from the Sat 21 July build to:
2.1-BETA0 (i386)
built on Sun Jul 22 13:36:03 EDT 2012
FreeBSD 8.3-RELEASE-p3

It took 55 minutes to download. All worked fine - no timeouts.

### #7 - 07/23/2012 03:02 AM - Warren Baker

Phillip Davis wrote:

> Used a slow link to do a Firmware Upgrade from the Sat 21 July build to:
> 2.1-BETA0 (i386)
> built on Sun Jul 22 13:36:03 EDT 2012
> FreeBSD 8.3-RELEASE-p3
>
> It took 55 minutes to download. All worked fine - no timeouts.

That is good to hear! That was one thing that concerned me. Thanks for testing.

### #8 - 09/12/2012 11:47 AM - Seth Mos

*- Status changed from Feedback to Resolved*