

## Problems during installation of OpenX on Debian Lenny Linux and their solutions

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If you're installing openx on a Debian Linux, you will most probably be forced to note/change few things before the openx installation launches correctly:

Here are a list of things to check and assure are properly configured before you proceed1. If you use the `disable_functions`, it's recommended to comment it out during the openx installation:

```
#disable_functions =exec,passthru,shell_exec,system,  
proc_open,popen,curl_exec,curl_multi_exec,parse_ini_file,show_source
```

2. Increase `memory_limit` to at least 128MB this is a minimum requirement for openx to run properly:  
Edit your `/etc/php5/apache2/php.ini` and set **memory\_limit** to:  
`memory_limit = 192M`

3. Set the `date.timezone` in your `/etc/php.ini`

You need to properly set the **date.timezone** function in Apache's `php.ini` otherwise the **OpenX** installation will refuse to continue with a warning:

**timezoneOpenX has detected that your PHP installation is returning 'System/Localtime' as the timezone of your server. This is because of a patch to PHP applied by some Linux distributions. Unfortunately, this is not a valid PHP timezone. Please edit your php.ini file and set the 'date.timezone' property to the correct value for your server.**

It took me a while until I found the proper way to set the **date.timezone** php variable, below is a correct way to set the `date.timezone` in `php.ini`:

```
echo 'date.timezone = Europe/London' >> /etc/php5/apache2/php.ini
```

Note that many people has provided a misinformation concerning the setup of `date.timezone` on php version 5.2 or 5.3.

Many posts online claim that the `date.timezone` should be set with **`date.timezone = "Europe/London"`** having the quotation marks is variable syntax error so if you enter it that way in your `php.ini` the `date.timezone` variable won't be set correctly.

Some people on the net has also suggested that `date.timezone` variable format is in the form **`date.timezone = "US/Central"`** which I suspect is again erroneous.

Actually the [Openx system requirements](#) has a nice explanation on how to properly set the `date.timezone`

in order to fix any emerging issues with the OpenX install, so I suggest you take 5 minutes time and read thoroughly before you start with the OpenX installation.