Moodle SSL/DNS troubleshooting

By default, Moodle needs to use a SSL cert on its own. If you choose to use a 3rd party proxy to do it for you, you will need to change some settings.

Find your config.php file. It will be wherever you put it. Mine is located documents/moodle/moodledata/config.php

```
<?php  // Moodle configuration file

uunset($CFG);
global $CFG;
$CFG = new stdClass();

$CFG->dbtype    = 'mariadb';
$CFG->dblibrary = 'native';
$CFG->dbhost    = 'mariadb';
$CFG->dbname    = 'bitnami_moodle';
$CFG->dbuser    = 'bn_moodle';
$CFG->dbpass    = '';
$CFG->prefix    = 'mdl_';
$CFG->dboptions = array (
  'dbpersist' => 0,
  'dbport' => 3306,
  'dbsocket' => '',
  'dbcollation' => 'utf8mb4_unicode_ci',
);

if (empty($_SERVER['HTTP_HOST'])) {
  $_SERVER['HTTP_HOST'] = '127.0.0.1:8080';
}
if (isset($_SERVER['HTTPS']) && $_SERVER['HTTPS'] == 'on') {
  $CFG->wwwroot   = 'http://' . $_SERVER['HTTP_HOST'];
} else {
```

```
  $CFG->wwwroot   = 'http://' . $_SERVER['HTTP_HOST'];
}
$CFG->dataroot  = '/bitnami/moodledata';
$CFG->admin     = 'admin';

$CFG->directorypermissions = 02775;

require_once(__DIR__ . '/lib/setup.php');

// There is no php closing tag in this file,
// it is intentional because it prevents trailing whitespace problems!
~
```

This will be good if you want to keep SSL cert and HTTPS managed by moodle. If not, and you would like it done by a proxy server like Apache or Nginx, this will not work. We will need to change a few things.

So, on the above, from line 20-34 we changed a few things so that it will look like the below.

I will be using Nginx so, i need to make Moodle look for that proxy by adding "$CFG->sslproxy = 1;" to this config file. (line 21 in the below).

Then, also change the "$CFG->wwwroot = 'https://yomammas.house.com';" to have your own domain name.

```
<?php  // Moodle configuration file

unset($CFG);
global $CFG;
$CFG = new stdClass();

$CFG->dbtype    = 'mariadb';
$CFG->dblibrary = 'native';
$CFG->dbhost    = 'mariadb';
$CFG->dbname    = 'bitnami_moodle';
$CFG->dbuser    = 'bn_moodle';
$CFG->dbpass    = '';  // Set your database password here
$CFG->prefix    = 'mdl_';
$CFG->dboptions = array (
  'dbpersist' => 0,
  'dbport' => 3306,
  'dbsocket' => '',
```

```
  'dbcollation' => 'utf8mb4_unicode_ci',
);

$CFG->sslproxy = 1;

// Set the wwwroot to the HTTPS URL
$CFG->wwwroot = 'https://yomammas.house.com';

$CFG->dataroot  = '/bitnami/moodledata';
$CFG->admin     = 'admin';
$CFG->directorypermissions = 02775;

require_once(__DIR__ . '/lib/setup.php');

// There is no php closing tag in this file,
// it is intentional because it prevents trailing whitespace problems!
```

Now, you should be able to use your apache or nginx proxy to redirect and SSL for you, correctly. YAY! lets get learning.

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