Chamilo LMS - Bug #8260
installer expects HTTP when checking app/courses/__XxTestxX__/test.php
25/05/2016 09:05 - Jan Derriks

Status: Bug resolved
Priority: Low
Assignee: Yannick Warnier
Category: System
Target version: 1.11.0
Complexity: Normal
Start date: 25/05/2016
Due date: 
% Done: 100%
Estimated time: 0.00 hour
Spent time: 0.00 hour
Target version: 
Complexity: 

Description
In install.lib.php an http site is assumed in lines:

```php
//Check fsockopen (doesn't work with https)
if ($fp = @fsockopen(str_replace('http://', '', $url), -1, $sock_errno, $sock_errmsg, 60)) {
   $out  = "GET $path HTTP/1.1\r\n";
   $out .= "Host: $host\r\n";
   $out .= "Connection: Close\r\n\n";
}
```

Ah, the comment says it all... an old bug.

History
#1 - 25/05/2016 18:45 - Yannick Warnier
I believe if you have a redirect rule from HTTP to HTTPS on your web server, this works too... I never faced the issue and I'm installing Chamilo portals on SSL rather frequently.
Could you give me more details about your vhost configuration (in particular whether you use redirects from HTTP to HTTPS or not)?
For example, a typical Apache vhost for us says this:

```html
<VirtualHost *:80>
   ServerName nexarte.beeznest.com
   RewriteEngine On
   RedirectMatch 301 (.*) https://nexarte.beeznest.com$1
</VirtualHost>
<VirtualHost *:443>
   DocumentRoot /var/www/nexarte.beeznest.com/www
   ServerName nexarte.beeznest.com
   [...]
</VirtualHost>
```

So whenever a request is sent on HTTP, it is redirected to HTTPS on the same domain, and that seems to be just fine with fsockopen.

I suppose your configuration doesn't do any redirect, is that correct? Is the HTTP vhost a different site?

#2 - 25/05/2016 18:56 - Yannick Warnier
Could you try it with this code? (I added a little switch-case chunk before the fsockopen)

```php
$path = isset($parsed_url['path']) ? $parsed_url['path'] : '/';
$port = ''; $scheme = '';
switch ($parsed_url['scheme']) {
   case 'https':
      $scheme = 'ssl://';
      $port = 443;
      break;
   case 'http':
      default:
      $scheme = '';
      $port = 80;
}
```
// Check fsockopen (doesn't work with https)
if ($fp = @fsockopen(str_replace('http://', $scheme, $url), $port, $sock_errno, $sock_errno,
60)) {
    $out = "GET $path HTTP/1.1\r\n";
    $out .= "Host: $host\r\n";
    $out .= "Connection: Close\r\n\n";
}

#3 - 25/05/2016 19:18 - Jan Derriks
With debugging on I see there is a problem with certificate checking:
fopen(): SSL operation failed with code 1. OpenSSL Error messages: error:14090086:SSL routines:SSL3_GET_SERVER_CERTIFICATE:certificate verify failed
This did the trick on the FOPEN part:

$opts=array( "ssl"=>array( "verify_peer"=>false, "verify_peer_name"=>false,),);
if ($fp = fopen($url, "r", false, stream_context_create($opts))) {

#4 - 01/06/2016 20:28 - Yannick Warnier
- Category set to System
- Status changed from New to Assigned
- Assignee set to Yannick Warnier
- % Done changed from 0 to 50

#5 - 30/06/2016 23:46 - Yannick Warnier
- % Done changed from 50 to 80

I added my change above and a comment pointing to your comment 3 here above. This should cover most case and hopefully we'll get a little feedback in time for the 1.11.0 release. I didn't add your change directly because it changes fsockopen() for fopen() and I'm not sure of the impact it might have on hosting services that restrict functions (probably the same effect, but then I prefer the path of least change).

#6 - 30/06/2016 23:50 - Yannick Warnier
- Status changed from Assigned to Needs testing

#7 - 15/07/2016 19:56 - Yannick Warnier
- Status changed from Needs testing to Bug resolved
- % Done changed from 80 to 100

I installed on https today and didn't have any issue... Closing.