

Security tips for opencart

What should you know before build e-commerce website

- Using SSL (Secure Socket Layer) : can prevent hackers from stealing the users cookie in communication.
- Think about secure guide line for Application architecture
- Before you design a website :
 - ☞ Know the threats to your application so that you can make sure these are addressed by your design
 - ☞ When designing your application , take systematic approach to the key areas where your application could be vulnerable to attack.
- Systematic approach such as input validation , authorization , configuration management , sensitive data , session management , cryptography , parameter manipulation , exception management and auditing and logging .

What should you know before build e-commerce website

- Using SSL (Secure Socket Layer) : can prevent hackers from stealing the users cookie in communication.
- Think about secure guide line for Application architecture
- Before you design a website :
 - ☞ Know the threats to your application so that you can make sure these are addressed by your design
 - ☞ When designing your application , take systematic approach to the key areas where your application could be vulnerable to attack.
- Systematic approach such as input validation , authorization , configuration management , sensitive data , session management , cryptography , parameter manipulation , exception management and auditing and logging .
- Corporate with payment gateway such as paypal...

Improve security for opencart

- **Delete opencart installation folder:** OpenCart has a little error message which pops up when in the Admin section if the folder is still present. Delete the installation folder once everything is up and running.
- **Remove power by opencart:**
 - The Powered By OpenCart footer that appears on every store page is a great way to promote the best ecommerce platform around but has the downside of making websites that run on OpenCart very easy to track down and target .
 - To remove it
 1. go to : `\catalog\view\theme\default\template\common/footer.tpl`
 2. Remove : `<div id="powered"><?php echo $powered; ?></div>`

Improve security for opencart

- **Rename admin folder :**
 - Go to your admin directory (/admin) and rename it to something else which is far harder for a hacker to get into. Example : \admin to \shoes-admin
 - After rename admin folder, open the folder and then open file config.php
 - Rename all instance /admin / to the same name of the renamed admin folder such as /shoes-admin or something else.
 - So new URL to login in to admin page is `http(s):\\www.[domain-name].root\shoes-admin`

Improve security for opencart

- **Enable SSL for Admin (PCI) :**
 - By default data sent to and from Admin is not encrypted. Enabling SSL/HTTPS will ensure data such as Admin user passwords and customer order data can't be intercepted during transmission.
 - To do this you need to edit **config.php** file in **admin** folder(/admin/config.php).
 - Edit the following lines with a program such as notepad or adobe dream weaver :
 - `// HTTPS`
`define('HTTPS_SERVER', 'http://www.[domain-name].[root]/admin/');`
`define('HTTPS_IMAGE', 'http:// www.[domain-name].[root]//image/');`

Improve security for opencart

- **Enable SSL for Admin (PCI) : (continue)**
 - To force the administration log-in screen to always load in HTTPS create an .htaccess file with the following (customizing the URL in the last line for your store) :

```
RewriteEngine On  
RewriteCond %{HTTPS} off  
RewriteRule (.*) https://www.[domain-name].[root]/admin/ [R]
```

Improve security for opencart

- **Enable SSL for Admin (PCI) : (continue)**

- enable SSL for the storefront to protect confidential customer information such as address, passwords, and payment info.

Go to System → Settings and Edit for the default store. Under the Server tab set Use SSL to Yes and press Save.

General	Store	Local	Option	Image	Mail	Fraud	Server
----------------	--------------	--------------	---------------	--------------	-------------	--------------	---------------

Use SSL:
To use SSL check with your host if a SSL certificate is installed and added the SSL URL to the catalog and admin config files.

Yes No

Improve security for opencart

- **Change encrypt key(PCI) :**
 - Changing the encryption key will help increase security for your store as a whole.
 - To change it : Login as admin account , go to **System** → **Setting** → click on **edit** for **your store**. **Encryption key** can find under **Server** Tab. Change key in encryption key box.

Encryption Key:

Please provide a secret key that will be used to encrypt private information when processing orders.

444efa3b25f7eb170ca

Improve security for opencart

- **Disable Display Errors (PCI):**
 - By default OpenCart displays errors on pages. While useful for debugging purposes it gives hackers a useful tool in attacking your website and looks just plain ugly for regular customers.
 - To disable : In administration panel, Click on System → Setting. Under **Action** column, click on **Edit**. Under the **Sever** Tab, click on **No** for **Display Errors**.

Display Errors:

Yes No
