

一、服务最小安装（WIKI 所必需的服务）：


```
test@debian:~/$: apt-get install mysql-dev apache2 php5 php5-mysql  
mysql-server
```

注意：请在进行系统时登录用户为非 root 账号，防止被直接利用 root 权限进行破坏性操作；

二、对 mediawiki 安装包进行数字签名的验证：

数字签名：保证信息传输的完整性、发送者的身份认证、防止交易中的抵赖发生；

以其他方式下载 [\[edit source \]](#)

- 使用GNU隐私卫士和MediaWiki 1.22.5 GPG安全签名来验证下载的文件
- MediaWiki的GPG的公钥 
- MediaWiki 1.22.5 的变化 不包括国际化与本地化 (统一的变化) <http://log.csdn.net/yygydjkhthh>

以我下载的 mediawiki-1.22.5.tar.gz 包为例：

得到 [MediaWiki 1.22.5 GPG 安全签名](#)文件：mediawiki-1.22.5.tar.gz.sig

能过上图的 [MediaWiki 的 GPG 的公钥](#) 得到 pubkey 文件，并保存到文件 mediawiki_pubkey.txt 中；

导入公钥到当前系统中：

```
fuckids@debian-IDS:~/wiki$ gpg --import mediawiki_pubkey.txt  
gpg: /home/fuckids/.gnupg/trustdb.gpg: trustdb created  
gpg: key 7F901A30: public key "Mark A. Hershberger  
<mah@everybody.org>" imported  
gpg: Total number processed: 1  
gpg: imported: 1 (RSA: 1)  
gpg: no ultimately trusted keys found
```

//列出当前的公钥，检查 是否导入 成功

```
fuckids@debian-IDS:~/wiki$ gpg -k  
/home/fuckids/.gnupg/pubring.gpg
```

```
-----  
pub 2048R/7F901A30 2009-07-01 [expires: 2019-06-29]  
uid Mark A. Hershberger <mah@everybody.org>  
sub 2048R/84896BEA 2009-07-01 [expires: 2019-06-29]
```

//使用签名文件对下载的文件进行验证：

```
fuckids@debian-IDS:~/wiki$ gpg --verify mediawiki-1.22.5.tar.gz.sig  
mediawiki-1.22.5.tar.gz  
gpg: Signature made Fri 28 Mar 2014 08:21:11 AM CST using RSA key  
ID 7F901A30  
gpg: Good signature from "Mark A. Hershberger  
<mah@everybody.org>"  
gpg: WARNING: This key is not certified with a trusted signature!
```

gpg: There is no indication that the signature belongs to the owner.

Primary key fingerprint: 3CEF 8262 806D 3F0B 6BA1 DBDD 7956 EE47 7F90 1A30

其中 gpg: Good signature from "Mark A. Hershberger <mah@everybody.org>" 这一行表示签名文件是正确的，表示下载的包并没有被中间修改过；

三、mysql 安全加固：

1、执行mysql 安全加固程序：

```
test@debian:~/$: /usr/bin/mysql_secure_installation
```

此程序主要完成以下几个功能：

- (1)、为 root 用户设置密码；
- (2)、删除匿名账号；
- (3)、取消 root 用户远程登录；
- (4)、删除 test 库和对 test 库的访问权限；
- (5)、刷新授权表使修改生效；

通过这几项加固设置能够提高 mysql 库的安全性。

执行例子：（注意：其中//开头的行是人为添加的注释）

```
test@debian:~/$:~/Autosnort - Debian$  
/usr/bin/mysql_secure_installation
```

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MySQL

SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MySQL to secure it, we'll need the current password for the root user. If you've just installed MySQL, and you haven't set the root password yet, the password will be blank, so you should just press enter here.

Enter current password for root (enter for none):

OK, successfully used password, moving on...

Setting the root password ensures that nobody can log into the MySQL root user without the proper authorisation.

You already have a root password set, so you can safely answer 'n'.

//为 root 用户设置密码;

Change the root password? [Y/n] n
... skipping.

By default, a MySQL installation has an anonymous user, allowing anyone to log into MySQL without having to have a user account created for them. This is intended only for testing, and to make the installation go a bit smoother. You should remove them before moving into a production environment.

//删除匿名账号;

Remove anonymous users? [Y/n] y
... Success!

Normally, root should only be allowed to connect from 'localhost'. This ensures that someone cannot guess at the root password from the network.

//取消 root 用户远程登录;

Disallow root login remotely? [Y/n] n
... skipping.

By default, MySQL comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed before moving into a production environment.

//删除 test 库和对 test 库的访问权限;

Remove test database and access to it? [Y/n] y
- Dropping test database...

ERROR 1008 (HY000) at line 1: Can't drop database 'test'; database doesn't exist

... Failed! Not critical, keep moving...

- Removing privileges on test database...
... Success!

Reloading the privilege tables will ensure that all changes made so far will take effect immediately.

//刷新授权表使修改生效;

Reload privilege tables now? [Y/n] n
... skipping.

Cleaning up...

All done! If you've completed all of the above steps, your MySQL installation should now be secure.

Thanks for using MySQL!

2、创建 wiki 数据库，创建专用于 wiki 访问数据库的用户并分配给此用户只能本地访问 wiki 数据库的权限；创建专用于 wiki 访问数据库的原因是尽量少用 root 账号进行库的操作，防止权限的过大化；

进行数据库命令为：

```
mysql -u root -p
```

输入 root 密码后登入如下：

```
mysql>
```

(1)、创建 wiki 数据库；

```
mysql> create database zisl_wiki;
```

(2)、创建专用于 wiki 访问的数据库用户，'wiki_user'@'localhost'表示用户名为 wiki_user，且此用户只能够在本地登录，防止被远程访问利用，登录密码为：fucksec2013；

```
mysql> CREATE USER 'wiki_user'@'localhost' IDENTIFIED BY 'fucksec2013';
```

```
Query OK, 0 rows affected (0.00 sec)
```

(3)、grant 命令的格式：grant 执行动作 on 数据库.* to 用户名@登录主机 identified by "密码"，以下完成的功能则为用户 wiki_user 只能本地登录且只能对 wiki 数据库 zisl_wiki 进行所有操作；

```
mysql> GRANT ALL ON zisl_wiki.* TO 'wiki_user'@'localhost' IDENTIFIED BY 'fucksec2013';
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> exit
```

重启数据库服务：

```
/etc/init.d/mysql restart
```

四、安装 mediawiki:

解压 mediawiki-1.22.5.tar.gz:

```
fuckids@debian-IDS $ su
```

```
fuckids@debian-IDS $ tar zxvf mediawiki-1.22.5.tar.gz
```

移动 mediawiki 目录到 apache web 服务器目录下：

```
fuckids@debian-IDS $ mv mediawiki-1.22.5 /var/www/mediawiki
```

然后在浏览器中输入：

<http://127.0.0.1/mediawiki/index.php>

配置 mediawiki 的安装过程：

wiki 使用的数据库名为创建的数据库的名称，用户名及密码和前面创建的用户名

密码一致；

MediaWiki 1.22.5配置 - Iceweasel

File Edit View History Bookmarks Tools Help

MediaWiki 1.22.5配置

127.0.0.1/mediawiki/mw-config/index.php?page=DBConnect

数据库主机：

标识本wiki

数据库名称：

数据库表前缀：

用于安装的用户帐号

数据库用户名：

数据库密码：

← 后退 继续 →

如果上一图中的用于安装的用户帐号和数据库访问的用户不一致时，在下图这个步骤中的数据库用户名和密码处填写相应的用户名/密码；

MediaWiki 1.22.5配置 - Iceweasel

File Edit View History Bookmarks Tools Help

MediaWiki 1.22.5配置

127.0.0.1/mediawiki/mw-config/index.php?page=DBSettings

MediaWiki 1.22.5配置

数据库设置

供网页访问使用的数据库帐号

☐ 使用 and 安装程序相同的帐号

数据库用户名：

数据库密码：

您指定给安装程序的帐号缺少创建帐号的权限，因此您指定的帐号必须已经存在。

存储引擎：

☒ InnoDB
☐ MyISAM

数据库字符集：

☒ 二进制
☐ UTF-8

- 语言
- 已有wiki
- 欢迎使用MediaWiki！
- 连接到数据库
- 升级当前配置
- 数据库设置
- 名称
- 选项
- 安装
- 完成！
- 重新开始安装


如果用于安装的用户帐号和数据库访问的用户一致时，在下图中直接勾选 使用 and 安装程序相同的帐号；

MediaWiki 1.22.5配置 - Iceweasel

File Edit View History Bookmarks Tools Help

MediaWiki 1.22.5配置

127.0.0.1/mediawiki/mw-config/index.php?page=DBSettings



MediaWiki 1.22.5配置

数据库设置

供网页访问使用的数据库帐号

☒ 使用 and 安装程序相同的帐号

存储引擎：

☒ InnoDB

☐ MyISAM

[帮助](#)

数据库字符集：

☒ 二进制

☐ UTF-8

[帮助](#)

[← 后退](#) [继续 →](#)


- 语言
- 已有wiki
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- 升级当前配置
- 数据库设置**
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- 重新开始安装

MediaWiki 1.22.5配置 - Iceweasel

File Edit View History Bookmarks Tools Help

MediaWiki 1.22.5配置

127.0.0.1/mediawiki/mw-config/index.php?page=Name



MediaWiki 1.22.5配置

Wiki 的名称：

[帮助](#)

zhuluSec

项目名字空间：

[帮助](#)

☒ 与wiki名称相同：ZhuluSec

☐ 项目

☐ 其他（自定义）

管理员帐号

您的名字：

[帮助](#)

Yygy

密码：


.....

确认密码：

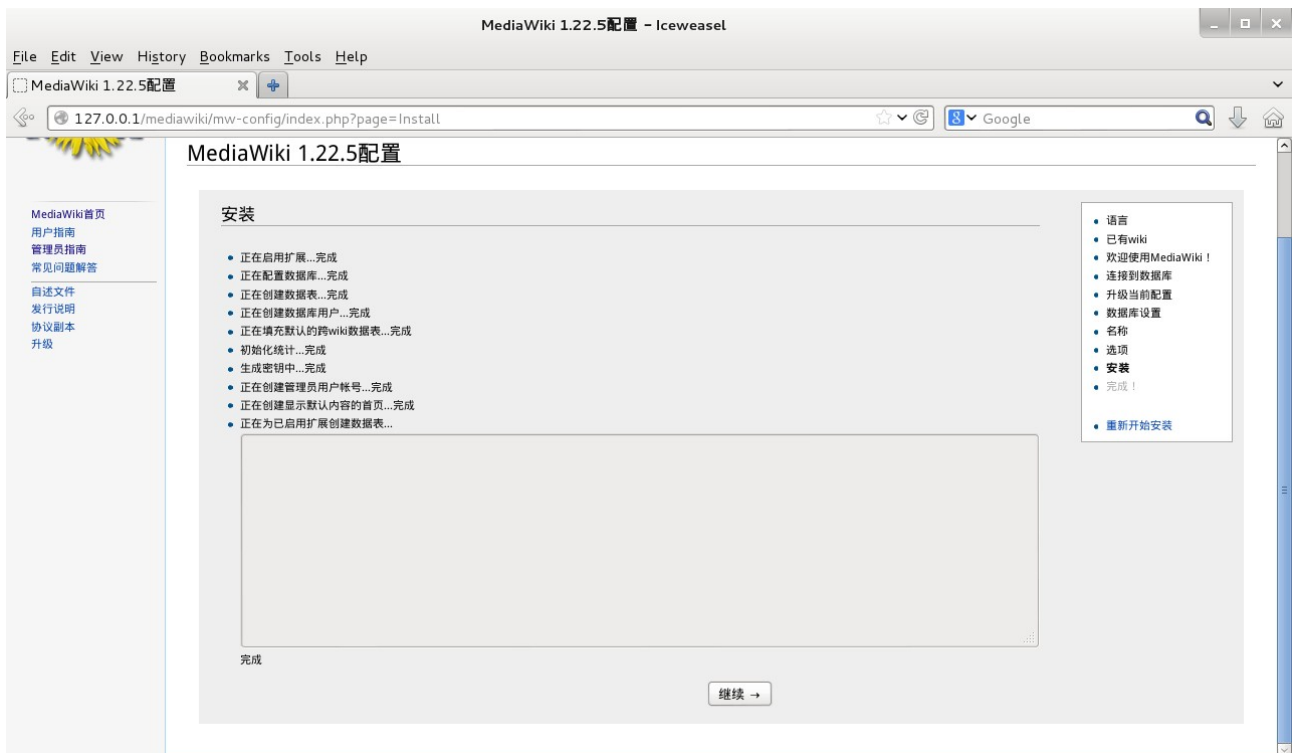
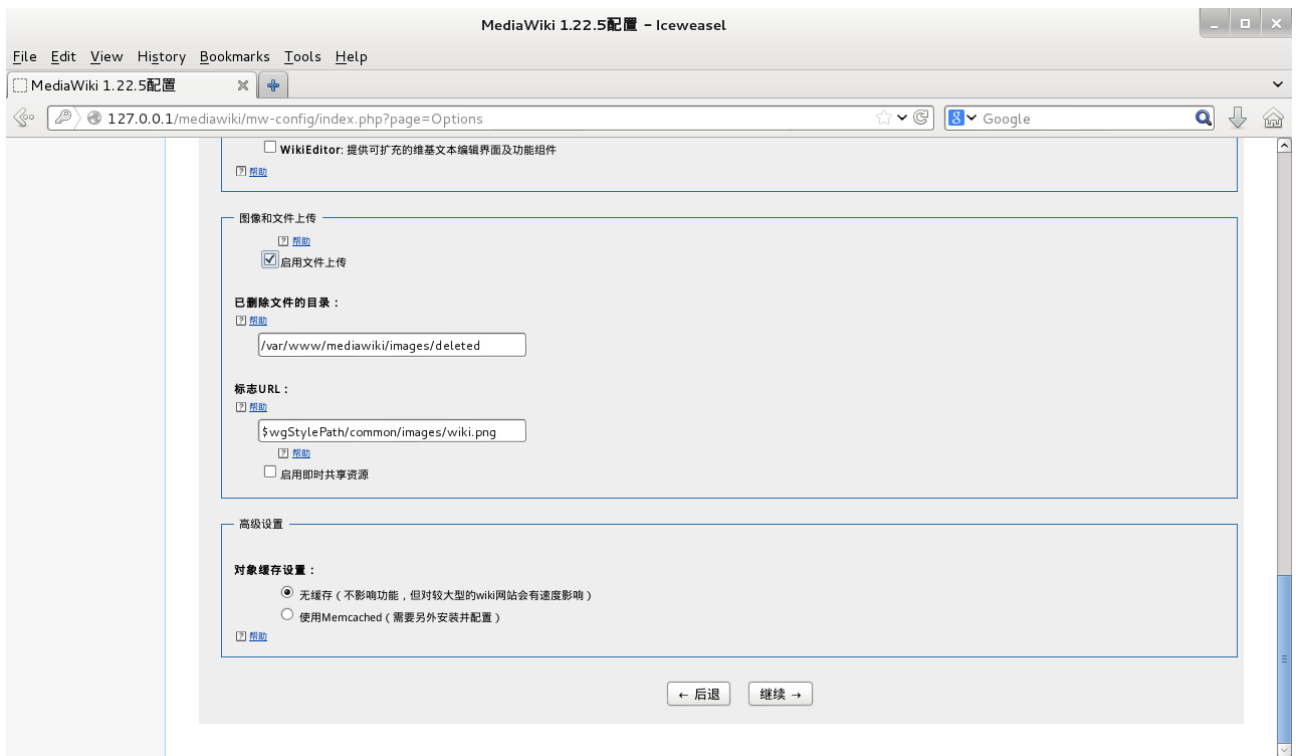
.....

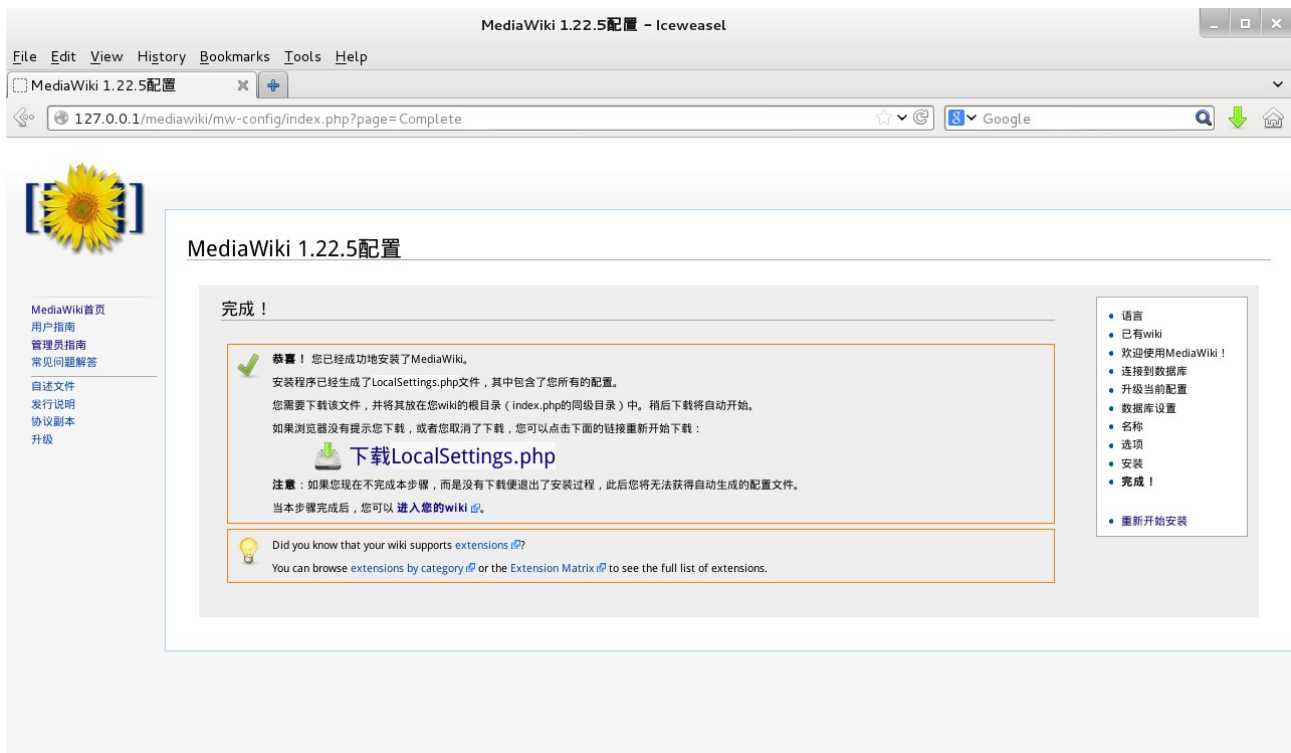
电子邮件地址：

[帮助](#)

☐ 订阅发行公告邮件列表 

- 已有wiki
- 欢迎使用MediaWiki！
- 连接到数据库
- 升级当前配置
- 数据库设置
- 名称**
- 选项
- 安装
- 完成！
- 重新开始安装





将生成的配置文件 LocalSettings.php 下载保存到/var/www/mediawiki 目录下，此时再次输入以上网址若可以进行 wiki 的访问，则表示 wiki 安装成功；

五、php 安全加固：

//php harden fuc

ref:

<http://www.waitalone.cn/php-web-security-for-linux.html>

<http://www.itokit.com/2012/1006/74782.html>

//change file php.ini of debian os

/etc/php5/apache2/php.ini

1、改变 wiki 文件目录和文件属性，禁止写入，在 wiki 根目录下执行：

```
find -type f -name \*.php -exec chmod 444 {} \;
```

```
find -type d -exec chmod 555 {} \;
```

2、修改 php 配置文件/etc/php5/apache2/php.ini:

```
vim /etc/php5/apache2/php.ini
```

设置：

//设置模式为安全模式，此值直接影响 disable_functions 的命令是否生效；

[SQL]

```
; http://php.net/sql.safe-mode
```

```
sql.safe_mode = On //设置了后会有问题??? 需要再测试
```

//禁用不安全的函数

```
disable_functions = system, show_source, symlink, exec, dl, shell_exec,  
passthru, phpinfo, escapeshellarg, escapeshellcmd
```

//避免暴露 php 信息

```
expose_php = Off
```

//关闭错误信息提示


```
display_errors = Off
//不允许调用 dl
enable_dl = Off
//避免远程调用文件
allow_url_include = Off
```

六、apache 加固:

生成数字证书进行双向认证进行 https 控制访问:

生成密钥和证书方法:

ret:<http://citypw.blogspot.tw/2013/11/how-to-set-up-apache2-with-ssl.html>

Generate CA certificates:

```
-----
root@d6-test:/opt/ssl# cp /usr/lib/ssl/misc/CA.sh .
root@d6-test:/opt/ssl# ./CA.sh -newca
CA certificate filename (or enter to create)
```

Making CA certificate ...

Generating a 2048 bit RSA private key

.....+++

.....+++

writing new private key to './demoCA/private/./cakey.pem'

.....

.....

Country Name (2 letter code) [AU]:CN

State or Province Name (full name) [Some-State]:Shanghai

Locality Name (eg, city) []:Shanghai

Organization Name (eg, company) [Internet Widgits Pty Ltd]:MOT

Organizational Unit Name (eg, section) []:MOT

Common Name (e.g. server FQDN or YOUR name) []:**hardened-shit**

Email Address []:info@hardened-shit.com

Please enter the following 'extra' attributes

to be sent with your certificate request

A challenge password []:

An optional company name []:

Using configuration from /usr/lib/ssl/openssl.cnf

Enter pass phrase for ./demoCA/private/./cakey.pem:

Check that the request matches the signature

Signature ok

Certificate Details:

Serial Number:

c0:81:0e:bc:52:d0:19:5a

Validity

Not Before: Nov 19 02:08:14 2013 GMT

Not After : Nov 18 02:08:14 2016 GMT

Subject:

countryName = CN

stateOrProvinceName = Shanghai

organizationName = MOT

organizationalUnitName = MOT

commonName = hardened-shit

emailAddress = info@hardened-shit.com
X509v3 extensions:
X509v3 Subject Key Identifier:
D5:38:4C:2F:FE:CF:E5:19:E9:AC:C5:03:6E:81:6A:D9:15:8F:A8:63
X509v3 Authority Key Identifier:
keyid:D5:38:4C:2F:FE:CF:E5:19:E9:AC:C5:03:6E:81:6A:D9:15:8F:A8:63

X509v3 Basic Constraints:
CA:TRUE

Certificate is to be certified until Nov 18 02:08:14 2016 GMT (1095 days)

Write out database with 1 new entries
Data Base Updated

Copy intermediate key and certificate:

root@d6-test:/opt/ssl# **cp demoCA/private/cakey.pem ca.key**
root@d6-test:/opt/ssl#
root@d6-test:/opt/ssl# **cp demoCA/cacert.pem ca.crt**

Generate server key:

root@d6-test:/opt/ssl# **openssl genrsa -des3 -out server.key 2048**
Generating RSA private key, 2048 bit long modulus
...+++
.....+++
e is 65537 (0x10001)
Enter pass phrase for server.key:
Verifying - Enter pass phrase for server.key:

Generate server CSR(Certificate Signing Request) with server key:

root@d6-test:/opt/ssl# **openssl req -new -key server.key -out server.csr**
.....
.....

Country Name (2 letter code) [AU]:CN
State or Province Name (full name) [Some-State]:Shanghai
Locality Name (eg, city) []:Shanghai
Organization Name (eg, company) [Internet Widgits Pty Ltd]:MOT
Organizational Unit Name (eg, section) []:MOT
Common Name (e.g. server FQDN or YOUR name) []:**hardened-shit**
Email Address []:info@hardened-shit.com

Please enter the following 'extra' attributes
to be sent with your certificate request
A challenge password []:
An optional company name []:

Generate server certificate:

```
-----  
root@d6-test:/opt/ssl# openssl req -x509 -days 2048 -key server.key -in  
server.csr > server.crt  
Enter pass phrase for server.key  
-----
```

You can check out the cert or verify it:

```
openssl x509 -noout -text -in server.crt  
openssl verify -CAfile ca.crt server.crt
```

Generate client's key:

```
-----  
root@d6-test:/opt/ssl# openssl genrsa -des3 -out client.key 2048  
Generating RSA private key, 2048 bit long modulus  
-----
```

```
.....+++  
.....+++  
e is 65537 (0x10001)  
Enter pass phrase for client.key:  
Verifying - Enter pass phrase for client.key:  
-----
```

Client's CSR:

```
-----  
root@d6-test:/opt/ssl# openssl req -new -key client.key -out client.csr  
-----  
-----
```

```
Country Name (2 letter code) [AU]:CN  
State or Province Name (full name) [Some-State]:Shanghai  
Locality Name (eg, city) []:Shanghai  
Organization Name (eg, company) [Internet Widgits Pty Ltd]:MOT  
Organizational Unit Name (eg, section) []:MOT  
Common Name (e.g. server FQDN or YOUR name) []:hardened-shit  
Email Address []:info@hardened-info.com
```

```
Please enter the following 'extra' attributes  
to be sent with your certificate request  
A challenge password []:  
An optional company name []:
```

Generate client's certificate with CA certificate's signature:

```
root@d6-test:/opt/ssl# openssl ca -in client.csr -out client.crt  
Using configuration from /usr/lib/ssl/openssl.cnf  
Enter pass phrase for ./demoCA/private/cakey.pem:  
Check that the request matches the signature  
Signature ok  
Certificate Details:  
    Serial Number:  
        c0:81:0e:bc:52:d0:19:5c
```

Validity

Not Before: Nov 19 02:28:13 2013 GMT

Not After : Nov 19 02:28:13 2014 GMT

Subject:

countryName = CN

stateOrProvinceName = Shanghai

organizationName = MOT

organizationalUnitName = MOT

commonName = hardened-shit

emailAddress = info@hardened-info.com

X509v3 extensions:

X509v3 Basic Constraints:

CA:FALSE

Netscape Comment:

OpenSSL Generated Certificate

X509v3 Subject Key Identifier:

A6:A5:D7:7C:C7:A8:C3:24:C7:90:14:76:84:15:43:D0:2C:0C:31:66

X509v3 Authority Key Identifier:

keyid:D5:38:4C:2F:FE:CF:E5:19:E9:AC:C5:03:6E:81:6A:D9:15:8F:A8:63

Certificate is to be certified until Nov 19 02:28:13 2014 GMT (365 days)

Sign the certificate? [y/n]:y

1 out of 1 certificate requests certified, commit? [y/n]y

Write out database with 1 new entries

Data Base Updated

Convert to pkcs12 format, which can be identified by firefox:

root@d6-test:/opt/ssl# **openssl pkcs12 -export -clcerts -in client.crt
-inkey client.key -out client.pfx**

Enter pass phrase for client.key:

Enter Export Password:

Verifying - Enter Export Password:

Enable SSL/TLS support in Apache2:

root@hardened-shit:/opt# **mv ssl /etc/ssl/hardened-shit**

root@hardened-shit:/etc/apache2# **a2ensite default-ssl**

Enabling site default-ssl.

To activate the new configuration, you need to run:

service apache2 reload

root@hardened-shit:/etc/apache2# **a2enmod ssl**

Module ssl already enabled

//change file /etc/apache2/sites-enabled/default-ssl

SSLCertificateFile /etc/ssl/hardened-shit/server.crt

SSLCertificateKeyFile /etc/ssl/hardened-shit/server.key

```
SSLCertificateChainFile /etc/ssl/hardened-shit/ca.crt
```

```
SSLCACertificatePath /etc/ssl/hardened-shit/  
SSLCACertificateFile /etc/ssl/hardened-shit/ca.crt
```

```
#SSLVerifyClient optional
```

```
SSLVerifyClient require  
SSLVerifyDepth 10
```

```
//修改文件 /etc/apache2/ports.conf 以禁用 http:80 端口;  
#NameVirtualHost *:80  
#Listen 80
```

```
//若需要修改最大连接数等, 修改文件 /etc/apache2/apache2.conf  
StartServers      5  
  MinSpareServers  5  
  MaxSpareServers  10  
  MaxClients       150  
  MaxRequestsPerChild  0
```

注意:

以上配置完成后, 需要进行服务的重启:

```
service apache2 restart
```

此时要输入服务端私钥的保护密码;

```
//复制客户端证书及 CA 证书并在需要对 wiki 进行访问的设备上的浏览器端进行导入这两个证书;  
cp /etc/ssl/hardened-shit/client.pfx /media/Ubuntu\ prec/  
cp /etc/ssl/hardened-shit/ca.crt /media/Ubuntu\ prec/
```

修改/var/www/Localsettings.php 文件, 若是 80 端口开放的话则下面的为 http, 若是开放的是 443 端口的话, 那么下面的 http 就要修改为 https。否则页面的布局和格式将出现问题;

```
## The protocol and server name to use in fully-qualified URLs
```

```
#$wgServer = "http://127.0.0.1";
```

```
$wgServer = "http://111.111.111.120";
```

```
//set uploadfile
```

```
chmod -R 777 images/
```

```
//added this set to Localsettings.php
```

```
$wgUploadPath="/var/www/mediawiki/images";
```

3、删除在错误页面中显示服务器信息的功能:

Disallow server to print out any Linux and Apache information on error pages.

Change the following lines at /etc/apache2/conf.d/security

```
sudo nano /etc/apache2/conf.d/security
```

Change the following lines as following:
ServerToken Prod
ServerSignature Off

4、抗 DOS、DDOS Module 安装:

In order to avoid HTTP DoS, DDoS, install the mod_evasive module.

http://www.ansoncheunghk.info/article/two-important-modules-secure-your-apache#mod_evasive

```
apt-get install libapache2-mod-evasive
```

```
sudo mkdir /var/log/mod_evasive
```

```
sudo chown www-data:www-data /var/log/mod_evasive/
```

```
cd /etc/apache2/mods-available/
```

```
vim mod-evasive.conf
```

In order to add custom configuration, we need to create mod-evasive.conf file in /etc/apache2/mods-available folder.

```
<ifmodule mod_evasive20.c>
```

```
DOSHashTableSize 3097
```

```
DOSPageCount 2
```

```
DOSSiteCount 50
```

```
DOSPageInterval 1
```

```
DOSSiteInterval 1
```

```
DOSBlockingPeriod 3600
```

```
DOSLogDir /var/log/mod_evasive
```

```
DOSEmailNotify info@yourdomain.com
```

```
DOSWhitelist 127.0.0.1
```

```
</ifmodule>
```

To let you understand the meaning of each parameter, here are description of each parameter:

DOSHashTableSize: Size of the hash table used to store the IPs.

DOSPageCount: Number of pages allowed per DOSPageInterval.

DOSPageInterval: Time in seconds used by DOSPageCount.

DOSSiteCount: Number of objects allowed per DOSSiteInterval.

DOSSiteInterval: Time in seconds used by DOSSiteCount.

DOSBlockingPeriod: Time in seconds that IPs will be banned. If an IP tries to access the server within this period, the count will be restarted.

DOSLogDir: Optional. Directory to store the logs. If not specified, /tmp will be used.

DOSEmailNotify: Optional. Mail where notifications will be sent.

DOSWhitelist: Optional. List of IPs which won't be blocked.

Once you understand it, now you can change the value to optimize for your server.

In order to activate the module, we have to inform Apache to enable mod_evasive. To activate the changes, we need to restart the Apache as well.

```
sudo a2enmod mod-evasive
```

```
sudo /etc/init.d/apache2 restart
```

Okay, mod_evasive module can guard against DoS or DDoS attack now. How are we going to secure Apache against SQL injection or Code Injection attack??? Other than, providing proper input validation or input filtering. We can install mod_security module to act as the first level web application security.

5. WAF—mod-security install:

```
apt-get install libapache2-mod-security
```

download and install the latest OWASP ModSecurity Core Rule Set from the project website. Click here for more information.

<https://github.com/SpiderLabs/owasp-modsecurity-crs>

```
tar -zxvf SpiderLabs-owasp-modsecurity-crs.tar.gz
```

```
mkdir /etc/apache2/mods-security/rules/
```

```
cp -R SpiderLabs-owasp-modsecurity-crs-*/etc/apache2/mods-security/rules/
```

```
cd /etc/apache2/mods-security/rules/
```

```
mv modsecurity_crs_10_setup.conf.example modsecurity_crs_10_setup.conf
```

modify modsecurity_crs_10_setup.conf:

```
vi /etc/apache2/mod_security/modsecurity_crs_10_setup.conf
```

Add the following line to the end of the file and save :

```
SecDataDir /var/www
```

change follow file:

vim /etc/apache2/mods-security/mod-security.conf

```
< ifmodule mod_security2.c>
  LoadFile /usr/lib/libxml2.so
  Include /etc/apache2/mods-security/rules/*.conf
  Include /etc/apache2/mods-security/rules/activated_rules/*.conf
  Include /etc/apache2/mods-security/rules/experimental_rules/*.conf
  Include /etc/apache2/mods-security/rules/base_rules/*.conf
  Include /etc/apache2/mods-security/rules/slr_rules/*.conf
  Include /etc/apache2/mods-security/rules/optional_rules/*.conf

  # Turn the filtering engine On or Off

SecFilterEngine On

# Make sure that URL encoding is valid

SecFilterCheckURLEncoding On

# Unicode encoding check

SecFilterCheckUnicodeEncoding Off

# Only allow bytes from this range

SecFilterForceByteRange 0 255

# Only log suspicious requests

SecAuditEngine RelevantOnly

# The name of the audit log file

SecAuditLog /var/log/apache2/audit_log

# Debug level set to a minimum

SecFilterDebugLog /var/log/apache2/modsec_debug_log

SecFilterDebugLevel 0

# Should mod_security inspect POST payloads

SecFilterScanPOST On

# By default log and deny suspicious requests
```



```
# with HTTP status 500
```

```
SecFilterDefaultAction "deny,log,status:500"
```

```
</IfModule>
```

```
#enable security mod  
a2enmod mod-security  
#restart apache2 server  
service apache2 restart
```

Check if everything is working.

Open the Terminal Window and enter :

```
tail -f /var/log/apache2/error_log
```

The output should look something like this :

```
[Wed Apr 09 02:47:29 2014] [notice] ModSecurity for Apache/2.6.6  
(http://www.modsecurity.org/) configured.  
[Wed Apr 09 02:47:29 2014] [notice] ModSecurity: APR compiled  
version="1.4.6"; loaded version="1.4.6"  
[Wed Apr 09 02:47:29 2014] [notice] ModSecurity: PCRE compiled  
version="8.30"; loaded version="8.30 2012-02-04"
```