

การต่ออายุประกัน ssl

อ้างอิง TOH จะมี 3 file ที่ให้แก ก่อนทำควร backup ของเดิมไว้ด้วย

1. SSLCertificateFile /etc/ssl/tohmss.com/tohmss.com.crt
2. SSLCertificateKeyFile /etc/ssl/tohmss.com/tohmss.com.key
3. SSLCACertificateFile /etc/ssl/tohmss.com/tohmss.com.ca

path แล้วแต่จะกำหนดตัวอย่างกำหนดไว้ที่ /etc/ssl

การหาดู path เข้าไปดูที่ /etc/apache2/sites-available/default-ssl.conf

โดยใช้คำสั่ง cat default-ssl.conf

```
# Enable/Disable SSL for sites that use mod_ssl
#
# To be able to use the functionality of a module which was
# built as a shared module you should have to place
# the 'LoadModule' line at this location so the
# module can be loaded at runtime.
#
# Note: The line was placed here for consistency. The previous
# locations where these modules were loaded had a number of
# problems.
#
# Dynamic shared object (DSO) support
#
# To be able to use the functionality of a module which was built as
# a shared module (DSO) you should have to place the 'LoadModule'
# lines at this location so the modules can be loaded at runtime.
# Note: The line was placed here for consistency. The previous
# locations where these modules were loaded had a number of
# problems.
#
# SSL Engine on
#
# A self-signed (snakeoil) certificate can be created by installing
# the ssl-cert package. See
# /usr/share/doc/apache2/README.Debian.gz for more info.
# If both key and certificate are stored in the same file, only the
# SSLCertificateFile directive is needed.
SSLCertificateFile /etc/ssl/tohmss.com/tohmss.com.crt
SSLCertificateKeyFile /etc/ssl/tohmss.com/tohmss.com.key
#
# SSLCertificateFile /etc/ssl/certs/ssl-cert-snakeoil.pem
#
# SSLCertificateKeyFile /etc/ssl/private/ssl-cert-snakeoil.key
#
# Server Certificate Chain:
# Point SSLCertificateChainFile at a file containing the
# concatenation of PEM encoded CA certificates which form the
# certificate chain for the server certificate. Alternatively
# the referenced file can be the same as SSLCertificateFile
# when the CA certificates are directly appended to the server
# certificate for convinience.
#SSLCertificateChainFile /etc/apache2/ssl.crt/server-ca.crt
#
# Certificate Authority (CA):
# Set the CA certificate verification path where to find CA
# certificates for client authentication or alternatively one
# huge file containing all of them (file must be PEM encoded)
# Note: Inside SSLCACertificatePath you need hash symlinks
# to point to the certificate files. Use the provided
# Makefile to update the hash symlinks after changes.
#SSLCACertificatePath /etc/ssl/certs/
SSLCACertificateFile /etc/ssl/tohmss.com/tohmss.com.ca
#SSLCACertificateFile /etc/apache2/ssl.crt/ca-bundle.crt
```

file ใหม่ จะได้มาจากผู้ให้บริการ

คำสั่งเช็ค error apache2 ##### apache2 -t

คำสั่งเช็ค port ##### netstat -nap | grep 443

พื้ล error

```
root@backup:/home/sa# apache2 -t
```

```
[Thu Nov 18 11:45:37.678476 2021] [core:warn] [pid 3629] AH00111: Config variable ${APACHE_PID_FILE} is not defined
```

```
[Thu Nov 18 11:45:37.678507 2021] [core:warn] [pid 3629] AH00111: Config variable ${APACHE_RUN_USER} is not defined
```

```
[Thu Nov 18 11:45:37.678509 2021] [core:warn] [pid 3629] AH00111: Config variable ${APACHE_RUN_GROUP} is not defined
```

```
[Thu Nov 18 11:45:37.678516 2021] [core:warn] [pid 3629] AH00111: Config variable ${APACHE_LOG_DIR} is not defined
```

```
[Thu Nov 18 11:45:37.683673 2021] [core:warn] [pid 3629] AH00111: Config variable ${APACHE_LOG_DIR} is not defined
```

```
[Thu Nov 18 11:45:37.683768 2021] [core:warn] [pid 3629] AH00111: Config variable ${APACHE_LOG_DIR} is not defined
```

```
[Thu Nov 18 11:45:37.683773 2021] [core:warn] [pid 3629] AH00111: Config variable ${APACHE_LOG_DIR} is not defined
```

```
AH00543: apache2: bad user name ${APACHE_RUN_USER}
```

```
root@backup:/home/sa# source /etc/apache2/envvars
```

```
root@backup:/home/sa# apache2 -t
```

```
Syntax OK
```

```
root@backup:/home/sa# service apache2 restart
```

```
root@backup:/home/sa# apache2 -t
```

```
Syntax OK
```

```
root@backup:/home/sa#
```

การทำ รีไดเรค <http://> ไปเป็น <https://>

แก้ไขไฟล์ `etc/apache2/sites-available/000-default.conf`
เพิ่ม

```
ServerName shiftsoft.net
ServerAlias www.shiftsoft.net
Redirect / https://shiftsoft.net
```

ตัวอย่าง

```
000-default.conf default-ssl.conf
root@shiftsoft-vm:/etc/apache2/sites-available# cat 000-default.conf
<VirtualHost *:80>
    # The ServerName directive sets the request scheme, hostname and port that
    # the server uses to identify itself. This is used when creating
    # redirection URLs. In the context of virtual hosts, the ServerName
    # specifies what hostname must appear in the request's Host: header to
    # match this virtual host. For the default virtual host (this file) this
    # value is not decisive as it is used as a last resort host regardless.
    # However, you must set it for any further virtual host explicitly.
    #ServerName www.example.com
    ServerName shiftsoft.net
    ServerAlias www.shiftsoft.net
    Redirect / https://shiftsoft.net/

    ServerAdmin webmaster@localhost
    DocumentRoot /var/www

    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
    # error, crit, alert, emerg.
    # It is also possible to configure the loglevel for particular
    # modules, e.g.
    #LogLevel info ssl:warn
```

รีสตาร์ท apache2