

Lab: 建立 SSL 連線

目的: 讓 default server 使用 https://www.example.com 連線
測試

<http://www.example.com>

<https://www.example.com>

```
#netstat -tupln | grep :443
```

<443 port 沒有 Listen>

```
#ls -l /etc/apache2/ssl.key/
```

<請觀察資訊>

```
#ls -l /etc/apache2/ssl.crt/
```

<請觀察資訊>

```
#gensslcert
```

<建立憑證>

```
#ls -l /etc/apache2/ssl.key/
```

<請觀察資訊>

```
#ls -l /etc/apache2/ssl.crt/
```

<請觀察資訊>

```
#vi /etc/sysconfig/apache2
```

修改/加入紅色字體部份

```
APACHE_MODULES="authz_host actions alias auth_basic authz_groupfile authn_file authz_user  
autoindex cgi dir include log_config mime negotiation setenvif status userdir asis imagemap php5  
authz_default ssl"
```

```
APACHE_SERVER_FLAGS="-D SSL"
```

```
APACHE_START_TIMEOUT="10"
```

修改虛擬主機相關設定

```
# vi /etc/apache2/vhosts.d/yast2_vhosts.conf
#將原來的虛擬主機設定複製一份,並加上 port 80
<VirtualHost 192.168.235.130:80>
    DocumentRoot /srv/www/htdocs
    ServerName www.example.com:80
    ServerAdmin max@example.com
# YaST created entry
<Directory "/srv/www/htdocs">
    Options None
    AllowOverride None
    Order allow,deny
    Allow from all
    DirectoryIndex index.html
</Directory>
</VirtualHost>

#修改複製出來的區段,指定為 port 443 給 https 使用
加入下列紅色字體的部份(可複製或是參考/etc/apache2/vhosts.d/vhost-ssl.template)
<VirtualHost 192.168.235.130:443>
    DocumentRoot /srv/www/htdocs
    ServerName www.example.com:443
    ServerAdmin max@example.com
    SSLEngine on
    SSLCipherSuite ALL:!ADH:!EXPORT56:RC4+RSA:+HIGH:+MEDIUM:+LOW:+SSLv2:+EXP:+eNULL
    SSLCertificateFile /etc/apache2/ssl.crt/server.crt
    SSLCertificateKeyFile /etc/apache2/ssl.key/server.key
# YaST created entry
<Directory "/srv/www/htdocs">
    Options None
    AllowOverride None
    Order allow,deny
    Allow from all
    DirectoryIndex index.html
</Directory>
</VirtualHost>

#rcapache2 restart

#netstat -tupln | grep :443
測試
http://www.example.com
https://www.example.com
```