

Installing a SSL certificate on Apache Centos (import SSL)

1.install the apache mod_ssl module

```
#yum install mod_ssl
```

2.Upload the certificate files on the server where your web-site is hosted.

- certificate2023.pem copy them to path /etc/pki/tls/certs/
- PrivateKey2023.key copy them to path /etc/pki/tls/private/
- IntermediateCA2023.crt copy them to path /etc/pki/tls/certs/

3.ทำการติดตั้ง SSL โดยเข้าไปแก้ไขไฟล์ ssl.conf ใน apache ที่ path /etc/httpd/conf.d/ssl.conf (แก้ไข document root และ servername ให้ถูกต้อง)

```
<VirtualHost *:443>
DocumentRoot "/var/www/html"
ServerName its.sut.ac.th:443

ErrorLog logs/ssl_error_log
TransferLog logs/ssl_access_log
LogLevel warn

SSLEngine on
SSLProtocol all -SSLv2
SSLCipherSuite HIGH:MEDIUM:!aNULL:!MD5

SSLCertificateFile /etc/pki/tls/certs/certificate2023.pem
SSLCertificateKeyFile /etc/pki/tls/private/PrivateKey2023.key
SSLCertificateChainFile /etc/pki/tls/certs/IntermediateCA2023.crt

<Files ~ "\.(cgi|shtml|phtml|php3?)$">
    SSLOptions +StdEnvVars
</Files>
<Directory "/var/www/cgi-bin">
    SSLOptions +StdEnvVars
</Directory>
```

```
BrowserMatch "MSIE [2-5]" \  
    nokeepalive ssl-unclean-shutdown \  
    downgrade-1.0 force-response-1.0
```

```
CustomLog logs/ssl_request_log \  
    "%t %h %{SSL_PROTOCOL}x %{SSL_CIPHER}x \"%r\" %b"
```

```
</VirtualHost>
```

4. restart Apache with the following command:

```
#service httpd restart
```