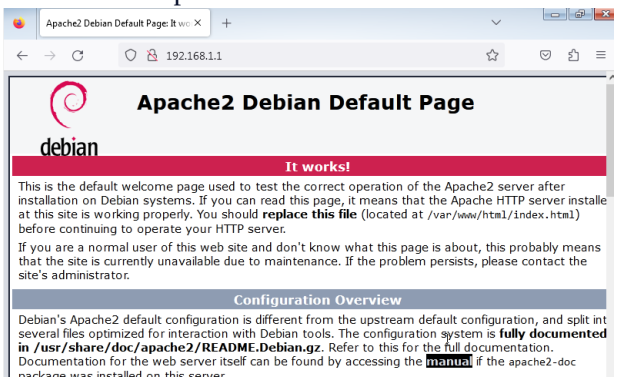
Secure Socket Layer (SSL)

Disini saya telah mengkonfigurasi dns server dengan domain aril1933.net

1. Masukan iso Debian 8 dvd1, kemudian install paket apache

```
root@aril:~# apt-get install apache2 openssl ssl-cert
```

2. Cek di client apakah web server berhasil di install



3. Ketikan perintan

openssl req -new -x509 -days 365 -nodes -out /etc/apache2/apache2.pem -keyout /etc/apache2/apache2.pem

```
root@aril:~# openssl req -new -x509 -days 365 -nodes -out /etc/apache2/apache2.pem -keyout /etc/apac
he2/apache2.pem
Generating a 2048 bit RSA private key
.....................................................+++
..+++
writing new private key to '/etc/apache2/apache2.pem'
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Country Name (2 letter code) [AU]:ID
State or Province Name (full name) [Some-State]:West Java
Locality Name (eg, city) []:Bekasi
Organization Name (eg, company) [Internet Widgits Pty Ltd]:StudyClub
Organizational Unit Name (eg, section) []:KBM
Common Name (e.g. server FQDN or YOUR name) []:aril1933.net
Email Address []:aril@gmail.com
```

*isi sesuaikan saja dengan kalian atau kalian bisa melewatkan dengan enter saja

4. Aktifkan SSL

```
root@aril:~# a2enmod ssl
Considering dependency setenvif for ssl:
Module setenvif already enabled
Considering dependency mime for ssl:
Module mime already enabled
Considering dependency socache_shmcb for ssl:
Enabling module socache_shmcb.
Enabling module ssl.
See /usr/share/doc/apache2/README.Debian.gz on how to configure SSL and create self-signed certifica
tes.
To activate the new configuration, you need to run:
  service apache2 restart
root@aril:~#
```

5. Edit file 000-default.conf yg berada di directory /etc/apache2/sites-available

```
root@aril:~# nano /etc/apache2/sites-available/000-default.conf
```

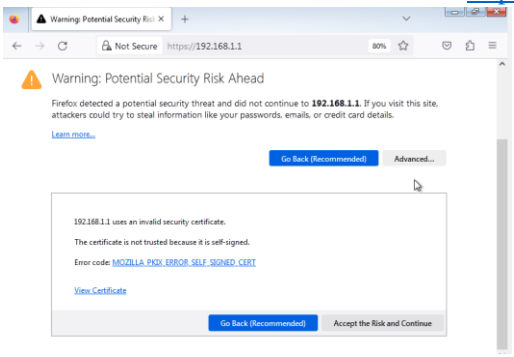
6. Scroll ke paling bawah kemudian tulis perintah berikut, untuk ServerName itu menggunakan domain yg sudah kita daftarkan di dns

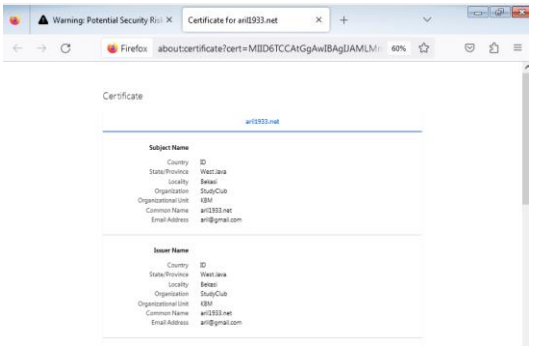
```
<VirtualHost *:443>
ServerName aril1933.net
SSLEngine On
SSLCertificateFile /etc/apache2/apache2.pem
</VirtualHost>
```

7. Restart paket apache2

```
root@aril:~# /etc/init.d/apache2 restart
```

8. Tes apakah SSL sudah berhasil
   Buka web browser di client lalu search https://aril1933.net atau https://192.168.1.1





9. Kita sudah berhasil merubah http menjadi https