
How to start apache in SSL mode

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 20
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Desired Outcome Goal:

Encrypting the messages between the browser and the apache server for security reason

Procedure:

1. Put the certificates to the `$httpd_root/SSLconf/conf`

2. In file `$alephe_root/www_server.conf` - be sure following definitions are correct:

```
setenv server_httpsd "https://<IP>:443"  
setenv server_css_ssl "https://<IP>:443"
```

3. Edit `$alephe_root/apache/conf/ssl.conf` and correct the ssl keys+certificate file locations.

4. Edit `$alephe_root/apache/bin/apachectl` and add to the HTTPD command `-DSSL`

5. In `$alephe_root/apache/bin/apachectl_auto`:

Replace

```
$httpd_bin/httpd -d $httpd_root
```

with

```
$httpd_bin/httpd -d $httpd_root -DSSL
```

6. In the file `$alephe_root/www_f_eng/login` Replace `<form method=post`

```
name="form1"  
action("&server_f")>
```

with

```
<form method=post  
name="form1"  
action("&server_f_ssl")>  
<input type="hidden" name="ssl_flag" value="Y">
```

and replace

```
<input type="hidden" name="func" value="login">
```

with

```
<input type="hidden" name="login_source" value="$0100">
```

7. In the \$alephe_root/www_f_eng/login-session file Replace the:

```
<form method=post  
name="form1"  
action="&server_f">
```

With the :

```
<form method=post  
name="form1"  
action="&server_f_ssl">  
<input type="hidden" name="ssl_flag" value="Y">
```

8. restart apache (as root) by running \$alephe_root/apache/bin/apachectl_auto

9. restart www_server by using util w/3/1

Category: Web OPAC (500)

Subject: Web server (500)

- **Article last edited:** 10/8/2013