

Exercise 3

Before we install apache 2.2 edit /etc/make.conf using your favorite editor (vi or ee) and add the following line

```
MASTER_SITE_OVERRIDE=ftp://noc.e0.ws.afnog.org/pub/FreeBSD/distfiles/
```

and save the file.

Now lets install apache2.2.4 which is the latest version. You must have had your ports updated to the latest version for this to work. If you get any errors please call upon one of the instructors.

```
#portinstall apache
[Updating the pkgdb <format:bdb_btree> in /var/db/pkg ... - 29 packages found (-2
+0) (...) done]
---> Found 4 ports matching 'apache':
    www/apache13
    www/apache20
    www/apache21
    www/apache22
Install 'www/apache13'? [yes] no
Install 'www/apache20'? [yes] no
Install 'www/apache21'? [yes] no
Install 'www/apache22'? [yes]
```

Now lets go configure our apache webserver:

```
vi /etc/rc.conf
```

add the following line
apache22_enable="YES"

This will enable apache to start automatically on boot.
Now lets configure our apache

```
cd /usr/local/etc/apache22/
```

```
vi httpd.conf
```

Edit the following lines

CHANGE

```
# Secure (SSL/TLS) connections  
#Include etc/apache22/extra/httpd-ssl.conf
```

to

```
# Secure (SSL/TLS) connections  
Include etc/apache22/extra/httpd-ssl.conf
```

The above enables our ssl configuration file.

Now lets put our SSL certificate that we created earlier into our http configuration.

```
vi /usr/local/etc/apache22/extra/httpd-ssl.conf
```

change the line to read:

```
SSLCertificateFile /usr/local/etc/apache22/mycert/server.crt
```

and also

```
SSLCertificateKeyFile /usr/local/etc/apache22/mycert/server.pem
```

Now lets start our apache webserver.

```
apachectl start
```

You can now try to connect to your webserver using:

```
lynx http://localhost
```

and

```
lynx-ssl http://localhost
```

to test our SSL enabled webserver.