

SquirrelMail Exercise - AFNOG 11 Kigali.

Where to Start:

Make the DNS Resource Record Entry on DNS

edit /etc/namedb/master/yourdomain-name.afnog.org.rw

*Add an Address Record (A) for **webmail.yourdomain-name.afnog.org.rw***

*Update the serial number and restart Bind – **rndc reload***

Following the presentations start with creating a virtual hosts that redirects all the http connections to the webmail to https connection.

Create the webmail virtual host in httpd-vhosts.conf

\$vi /usr/local/etc/apache/extra/httpd-vhosts.conf

Add the following in the bottom of the file

```
<VirtualHost *:80>  
ServerName webmail.yourdomain-name.afnog.org.rw  
RewriteEngine on  
RewriteCond %{HTTPS} ^off$  
RewriteCond %{HTTP_HOST} (.*)  
RewriteRule ^(.*)/? https://%1/$1 [L,R]  
</VirtualHost>
```

* save and quit

Create the apache file permissions:

*Create a file called **webmail.conf** in /usr/local/etc/apache22/Includes/*

Inside the file have the following

```
<Directory /usr/local/www/squirrelmail>  
Order deny,allow  
Allow from all  
</Directory>
```

Virtual SSL Host Config

Edit /usr/local/etc/apache22/extra/http-ssl.conf

At top of file before the start of the Virtual hosts line **Add** the following line

NameVirtualHosts *:443

MODIFY the default SSL line config as follows;

```
<VirtualHost _default_ :443>
```

to

```
<VirtualHost *:443>
```

MODIFY the other existing other SSL virtual host config as follows

```
<VirtualHost www.yourdomain-name.afnog.org.rw:443>
```

to

```
<VirtualHost *:443>
```

Add a third Virtual httpd folder

```
<VirtualHost *:443>
ServerAdmin webmaster@name.afnog.org.rw
DocumentRoot /usr/local/www/squirrelmail
ServerName webmail.yourdomain-name.afnog.org.rw
ErrorLog "/var/log/httpd-error.log"
TransferLog "/var/log/httpd-access.log"
SSLEngine on
SSLCertificateFile /usr/local/etc/apache22/server.crt
SSLCertificateKeyFile /usr/local/etc/apache22/server.key
<FilesMatch "\.(cgi|shtml|phtml|php)$">
    SSLOptions +StdEnvVars
</FilesMatch>
<Directory "/usr/local/www/apache22/cgi-bin">
    SSLOptions +StdEnvVars
</Directory>

BrowserMatch ".*MSIE.*" \
    nokeepalive ssl-unclean-shutdown \
    downgrade-1.0 force-response-1.0

CustomLog "/var/log/httpd-ssl_request.log" \
    "%t %h %{SSL_PROTOCOL}x %{SSL_CIPHER}x \"%r\" %b"
</VirtualHost>
```

*Save and quit