

Práctica 2.3: Acceso seguro con Nginx

En el provision.sh vamos realizando los pasos a seguir para hacer funcional la web con certificado https

```
194 ##### FOUTH PART #####
195
196 # Create a directory for the secure website
197 sudo mkdir -p /var/www/koyo/html
198
199 # Clone the repository of the secure website
200 sudo git clone https://github.com/davidrivasrodriguez/Koyo-restaurant.git /var/www/koyo/html
201
202 # Set permissions for the secure website directory
203 sudo chown -R www-data:www-data /var/www/koyo
204 sudo chmod -R 755 /var/www/koyo/html
205
206 # Generate a self-signed SSL certificate
207 sudo openssl req -x509 -nodes -days 365 \
208     -newkey rsa:2048 -keyout /etc/ssl/private/koyo.key \
209     -out /etc/ssl/certs/koyo.crt \
210     -subj "/C=ES/ST=Andalucia/L=Granada/O=IZV/OU=WEB/CN=koyo"
211
212 # Create an Nginx configuration for the secure website
213 cat <<EOL | sudo tee /etc/nginx/sites-available/koyo
214 server {
215     listen 80;
216     listen 443 ssl;
217     server_name koyo;
218
219     root /var/www/koyo/html;
220     index index.html index.htm;
221
222     ssl_certificate /etc/ssl/certs/koyo.crt;
223     ssl_certificate_key /etc/ssl/private/koyo.key;
224     ssl_protocols TLSv1 TLSv1.1 TLSv1.2 TLSv1.3;
225     ssl_ciphers HIGH:!aNULL:!MD5;
226
227     location / {
228         try_files $uri $uri/ =404;
229     }
230 }
231 EOL
232
233 # Create a symbolic link to enable the configuration in Nginx
234 sudo ln -s /etc/nginx/sites-available/koyo /etc/nginx/sites-enabled/
235
236 # Adjust firewall rules to allow HTTPS traffic
237 sudo ufw allow ssh
238 sudo ufw allow 'Nginx Full'
239 sudo ufw delete allow 'Nginx HTTP'
240 sudo ufw --force enable
241
242 # Verify and restart Nginx to apply the changes
243 sudo nginx -t
244 sudo systemctl restart nginx
```

Confirmamos que funciona el certificado de https

