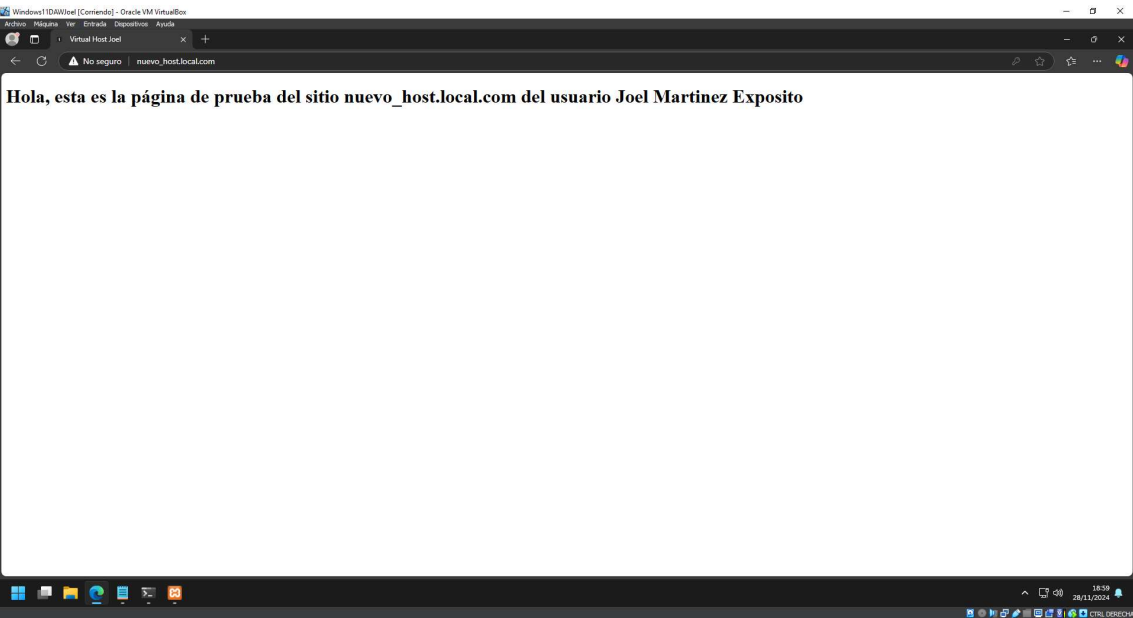
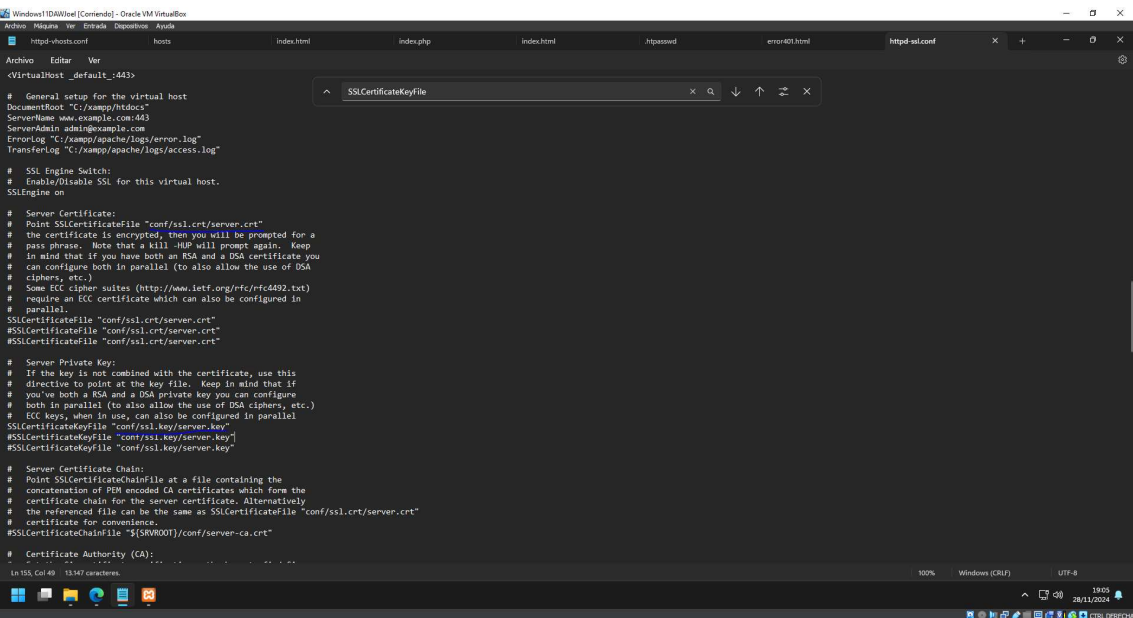


DAW Práctica 2.7: Certificados y control de errores en servidor web Windows.

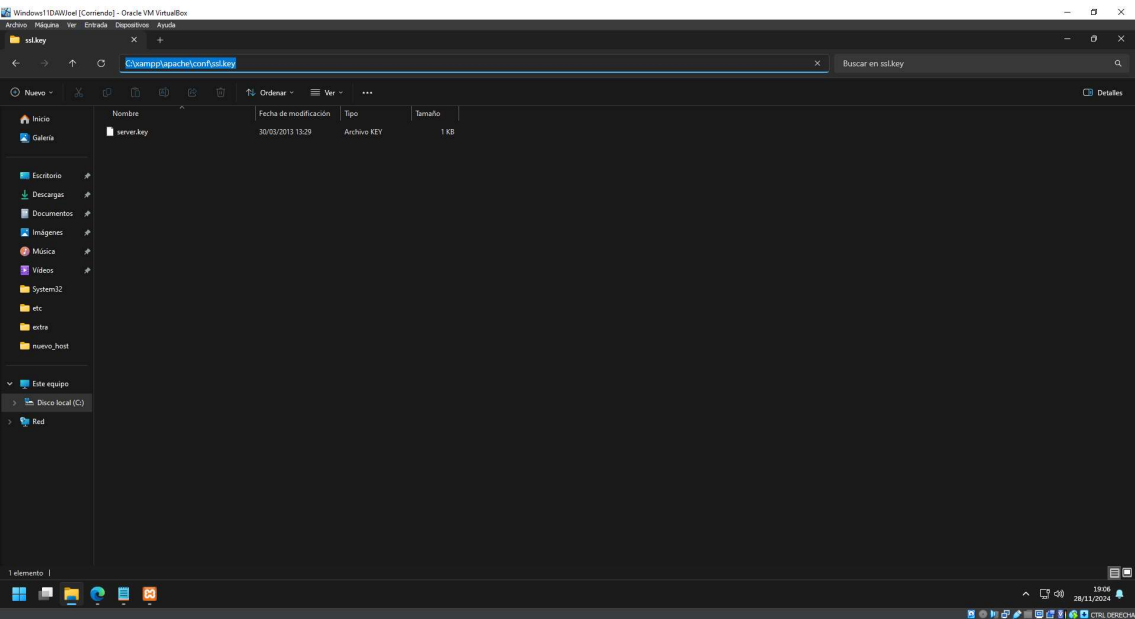
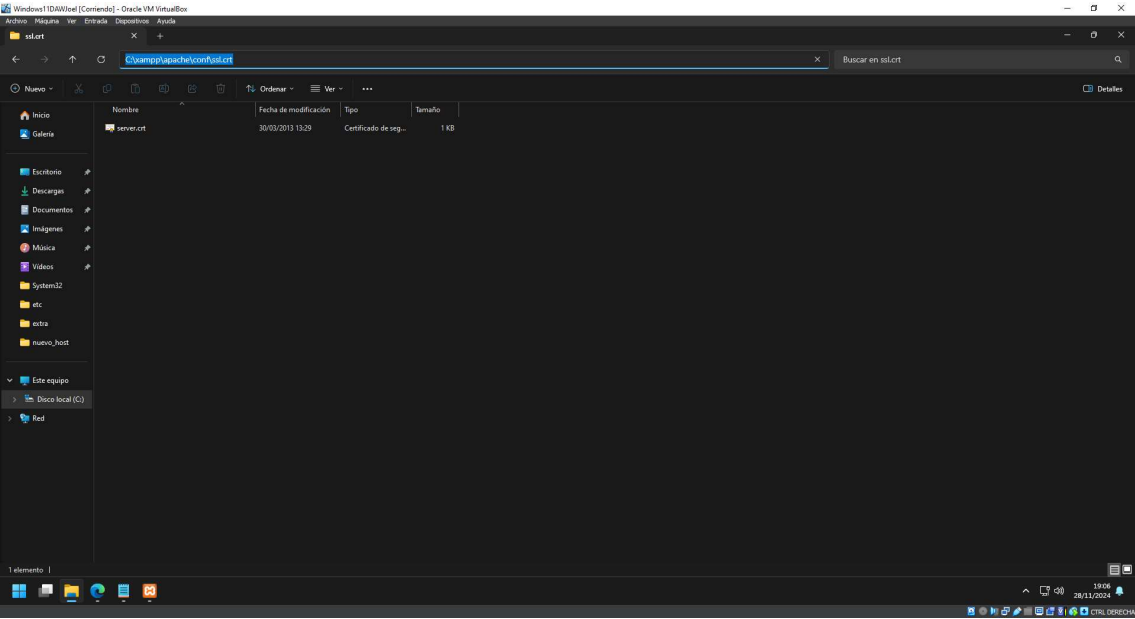
Verificar acceso por HTTP



Revisar configuración SSL por defecto



Confirmar existencia de certificado y clave



Verificacion de que SSL esta habilitado.

```
Windows11DAWJoel [Comando] - Oracle VM VirtualBox
Archivo Editar Ver
#LoadModule session_module modules/mod_session.so
#LoadModule session_cookie_module modules/mod_session_cookie.so
#LoadModule session_crypto_module modules/mod_session_crypto.so
#LoadModule session_dbd_module modules/mod_session_dbd.so
#LoadModule setenvif_module modules/mod_setenvif.so
#LoadModule slotmem_plain_module modules/mod_slotmem_plain.so
#LoadModule slotmem_shm_module modules/mod_slotmem_shm.so
#LoadModule socache_shmcb_module modules/mod_socache_shmcb.so
#LoadModule ssl_module modules/mod_ssl.so
#LoadModule status_module modules/mod_status.so
#LoadModule substitute_module modules/mod_substitute.so
#LoadModule unique_id_module modules/mod_unique_id.so
#LoadModule userdir_module modules/mod_userdir.so
#LoadModule usertrack_module modules/mod_usertrack.so
#LoadModule version_module modules/mod_version.so
#LoadModule vhost_alias_module modules/mod_vhost_alias.so
#LoadModule watchdog_module modules/mod_watchdog.so
#LoadModule xlate_module modules/mod_xlate.so

<IfModule unixd_module>
#
# If you wish httpd to run as a different user or group, you must run
# httpd as root initially and it will switch.
#
# User/Group: The name (or #number) of the user/group to run httpd as.
# It is usually good practice to create a dedicated user and group for
# running httpd, as with most system services.
#
User daemon
Group daemon
</IfModule>

# 'Main' server configuration
#
# The directives in this section set up the values used by the 'main'
# server, which responds to any requests that aren't handled by a
# <VirtualHost> definition. These values also provide defaults for
# any <VirtualHost> containers you may define later in the file.
#
# All of these directives may appear inside <VirtualHost> containers,
# in which case these default settings will be overridden for the
# virtual host.

Ln 177, Col 41 21,248 caracteres 100% Windows (CR/LF) UTF-8 18:19 28/11/2024
```

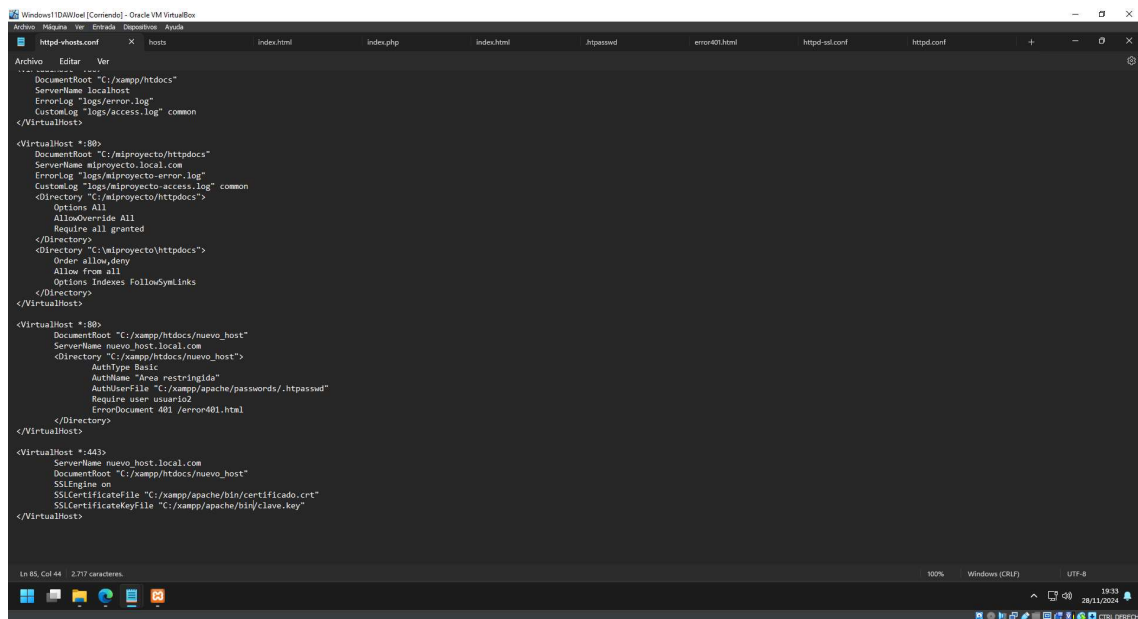
Crear un certificado y clave RSA

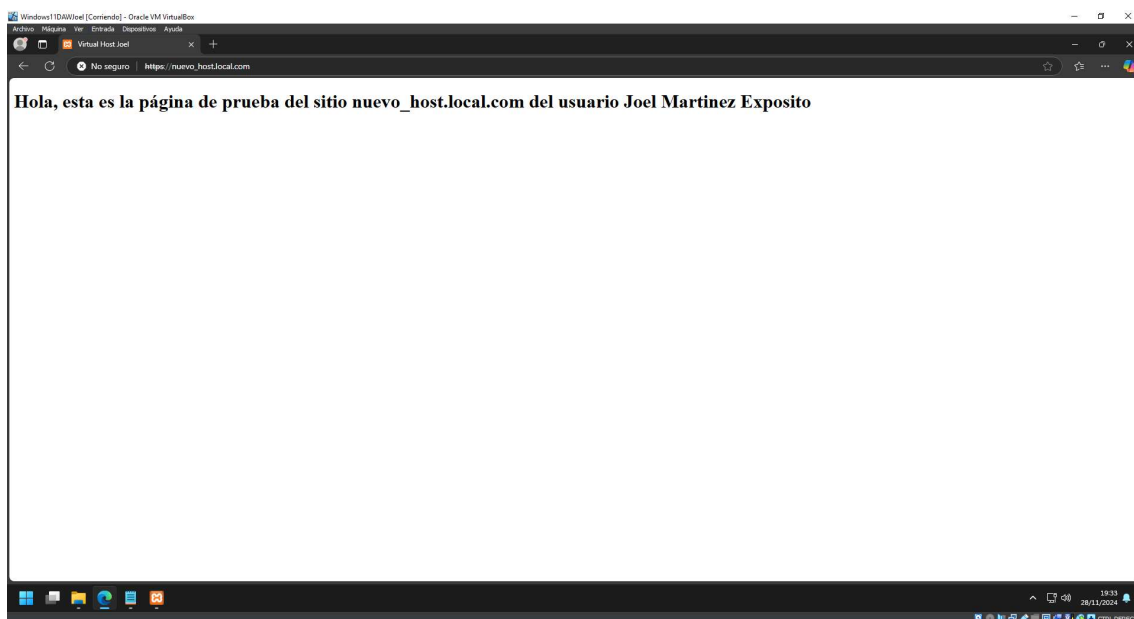
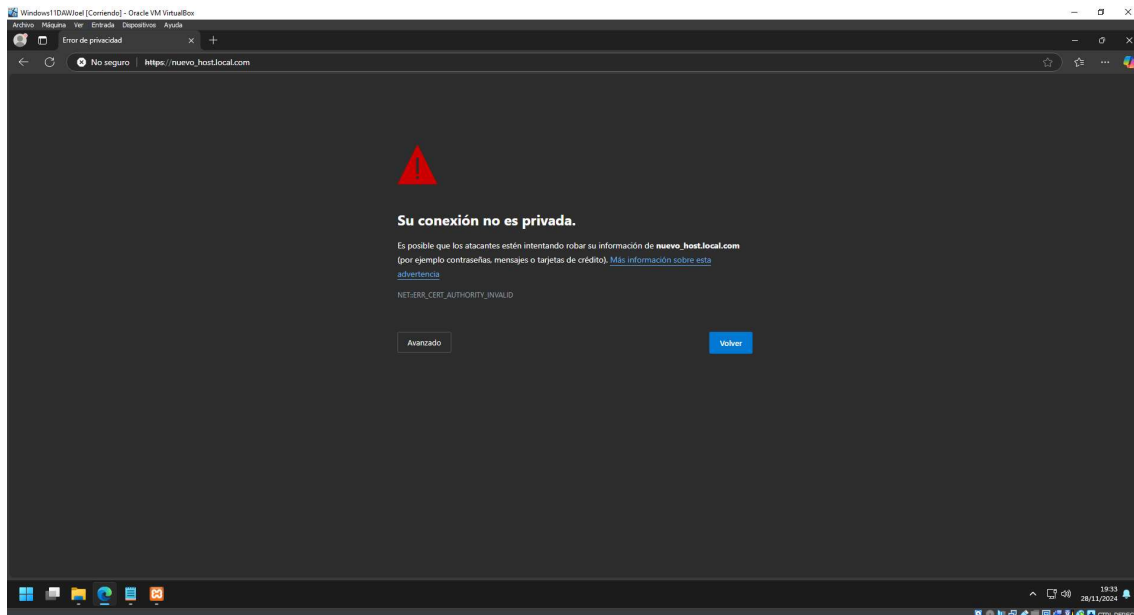
Windows11DAWJoel [Corriendo] - Oracle VM VirtualBox

```
Administrador: Símbolo del sistema
Microsoft Windows [Versión 10.0.22631.4460]
(c) Microsoft Corporation. Todos los derechos reservados.
C:\Windows\System32>cd C:\xampp\apache\bin
C:\xampp\apache\bin>openssl genrsa -out clave.key 1024
```

```
C:\xampp\apache\bin>openssl req -new -x509 -key clave.key -out certificado.crt -days 365 -config "C:\xampp\apache\conf\openssl.cnf"
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]:es
State or Province Name (full name) [Some-State]:Cantabria
Locality Name (eg, city) []:Torrelavega
Organization Name (eg, company) [Internet Widgits Pty Ltd]:IES Miguel Herrero
Organizational Unit Name (eg, section) []:
Common Name (e.g. server FQDN or YOUR name) []:Joel
Email Address []:joelmartinezexpo@gmail.com
C:\xampp\apache\bin>
```

Confirmar creación del certificado





Redirigir HTTP a HTTPS

```
<VirtualHost *:80>
    DocumentRoot "C:/xampp/htdocs/nuevo_host"
    ServerName nuevo_host.local.com
    Redirect permanent / https://nuevo_host.local.com/
    <Directory "C:/xampp/htdocs/nuevo_host">
        AuthType Basic
        AuthName "Area restringida"
        AuthUserFile "C:/xampp/apache/passwords/.htpasswd"
        Require user usuario2
        ErrorDocument 401 /error401.html
    </Directory>
</VirtualHost>

<VirtualHost *:443>
    ServerName nuevo_host.local.com
    DocumentRoot "C:/xampp/htdocs/nuevo_host"
    SSLEngine on
    SSLCertificateFile "C:/xampp/apache/bin/certificado.crt"
    SSLCertificateKeyFile "C:/xampp/apache/bin/clave.key"
</VirtualHost>
```