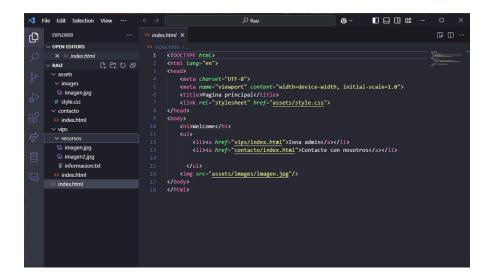


Despliegue aplicaciones web - Anton Blagodarnyy

Tarea 3

1.-Creamos la pagina web con su estructura.



2.-Habilitamos permisos en todas las carpetas.

3.-Creamos el certificado de seguridad.

4.-Habilitamos la configuracion del certificado en ssl-params.conf.

```
ubuntu@ubuntuserver2204: / ×
 GNU nano 6.2
                               /etc/apache2/conf-available/ssl-params.conf *
SSLCipherSuite EECDH+AESGCM:EDH+AESGCM:AES256+EECDH:AES256+EDH
SSLProtocol All -SSLv2 -SSLv3 -TLSv1 -TLSv1.1
SSLHonorCipherOrder On
# Disable preloading HSTS for now. You can use the commented out header line that includes
# the "preload" directive if you understand the implications.
# Header always set Strict-Transport-Security "max-age=63072000; includeSubDomains; preload"
Header always set X-Frame-Options DENY
Header always set X-Content-Type-Options nosniff
# Requires Apache >= 2.4
SSLCompression off
SSLUseStapling on
SSLStaplingCache "shmcb:logs/stapling-cache(150000)"
# Requires Apache >= 2.4.11
SSLSessionTickets Off
```

### 5.-Habilitamos la configuracion de default.ssl.conf

```
GNU nano 6.2

/Ifflodule mod_ssl.e>

/If is also possible to configure the logley for particular # modules, e.g.

# It is also possible to configure the logleyel for particular # modules, e.g.

# modules, e.g.

# modules, e.g.

# logLeyel info ssl.warn

// ErrorLog ${APACHE_LOG_DIR}/error.log

// CustomLog ${APACHE_LOG_DIR}/access.log combined

# for most configuration files from conf-available/, which are

# enabled or disabled at a global level, it is possible to to the following line enables the CGI configuration for this host only

# after it has been globally disabled with "a2disconf".

# Include conf-available/serve-cgi-bin.conf

# SSL Engine Switch:

# Enable/Disable SSL for this virtual host.

SSLEngine on

# A self-signed (snakeoil) certificate can be created by installing

# the ssl-cert package. See

# /usr/share/doc/apache2/README.Debian.gz for more info.

# If both key and certificate are stored in the same file, only the

# SSLCertificateFile / etc/ssl/certs/apache-selfsigned.crt

SSLCertificateFile / etc/ssl/certs/apache-selfsigned.crt
```

#### 6.-Habilitamos los distintos modulos.

```
ubuntu@ubuntuserver2204:/etc/apache2/sites-available$ sudo a2enmod ssl

Considering dependency setenvif for ssl:

Module setenvif already enabled
Considering dependency mime for ssl:

Module mime already enabled
Considering dependency socache_shmcb for ssl:
Enabling module socache_shmcb.
Enabling module ssl.
See /usr/share/doc/apache2/README.Debian.gz on how to configure SSL and create self-signed certificate s.

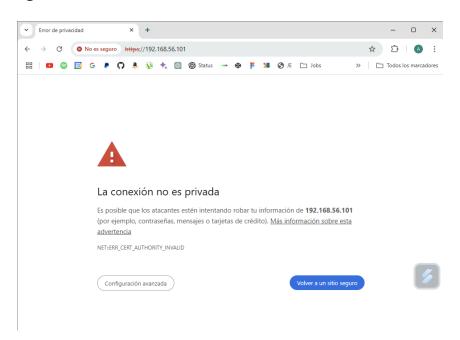
To activate the new configuration, you need to run:
    systemctl restart apache2
    ubuntu@ubuntuserver204:/etc/apache2/sites-available$ sudo a2enmod headers
Enabling module headers.

To activate the new configuration, you need to run:
    systemctl restart apache2
    ubuntu@ubuntuserver2204:/etc/apache2/sites-available$ sudo a2ensite https.conf
Site https already enabled
    ubuntu@ubuntuserver2204:/etc/apache2/sites-available$ sudo a2enconf ssl-params
Enabling conf ssl-params.

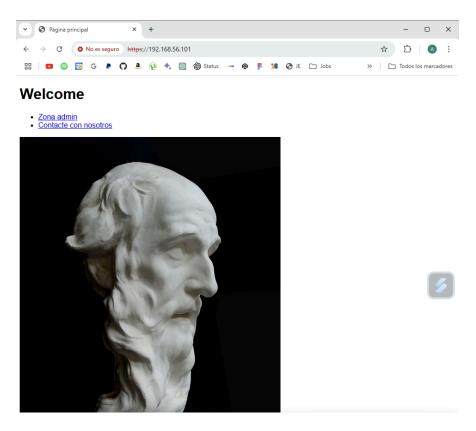
To activate the new configuration, you need to run:
    systemctl reload apache2
    ubuntu@ubuntuserver2204:/etc/apache2/sites-available$ sudo apache2ctl configtest
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1

1. Set the 'ServerName' directive globally to suppress this message
Syntax OK
    ubuntu@ubuntuserver2204:/etc/apache2/sites-available$ sudo systemctl restart apache2
    ubuntu@ubuntuserver2204:/etc/apache2/sites-available$
```

7.-Podemos ver que al acceder a la pagina el certificado al ser creado de forma local no se reconoce por el navegador.



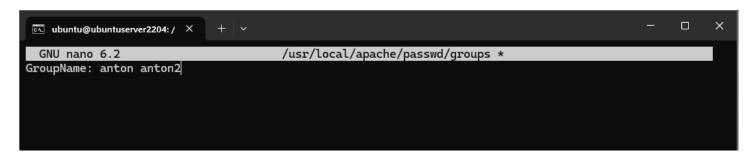
8.-Al aceptar la entrada en el sitio web nos permite el acceso.



#### 9.-Creamos 2 nuevos usuarios.



10.-Los agregamos al grupo GroupName.



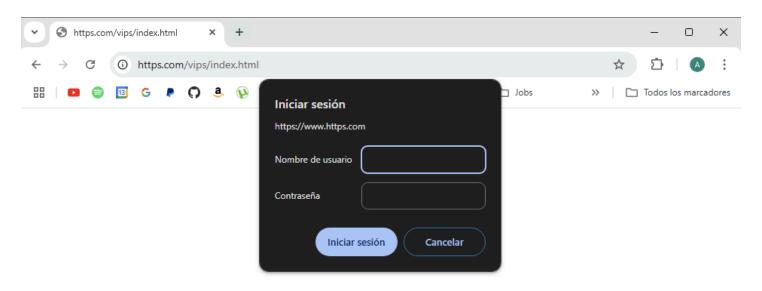
11.-Configuramos la pagina web con el indexado de contenidos y la solicitud de la contraseña.



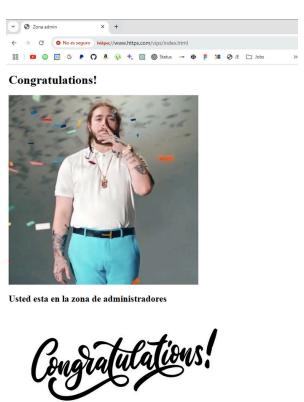
12.-Habilitamos el modulo para poder usar el grupo.



13.-Podemos ver que pide usuario y contraseña.



14.-Podemos ver que la pagina se abre.



15.-Instalamos la libreria para manejar php.

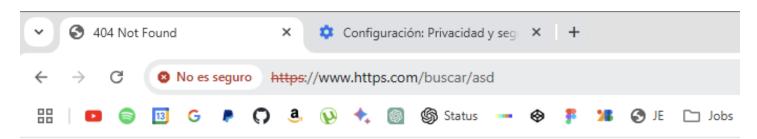
```
ubuntu@ubuntuserver2204:/usr/local/apache/passwd$ sudo apt install libapache2-mod-php8.1
Reading package lists... Done
Building dependency tree
```

16.-Agregamos las directivas Rewrite Engine On y habilitamos el modulo.

```
GNU nano 6.2
                                            /etc/apache2/sites-available/https.conf *
AA<VirtualHost *:443>
          # The ServerName directive sets the request scheme, hostname and port that
         # the server uses to identify itself. This is used when creating
# redirection URLs. In the context of virtual hosts, the ServerName
# specifies what hostname must appear in the request's Host: header to
# match this virtual host. For the default virtual host (this file) this
          # value is not decisive as it is used as a last resort host regardless.
          # However, you must set it for any further virtual host explicitly.
          #ServerName www.example.com
          ServerName www.https.com
          ServerAlias www.https.edu
          ServerAdmin webmaster@localhost
          DocumentRoot /var/www/https/Raiz
          <Directory /var/www/https>
          Options +Indexes
                      RewriteEngine On
          RewriteBase
          RewriteRule ^buscar/([a-z]+) index.php?buscar=$1
          </Directory>
```

17.-Agregamos el codigo js.

18.-Podemos ver la palabra buscada en el navegador.



# **Not Found**

19.-En security.conf cambiamos las directivas para mostrar el mensaje de error correspondiente.



20.-Podemos ver que cambia.



## **Not Found**

The requested URL was not found on this server.