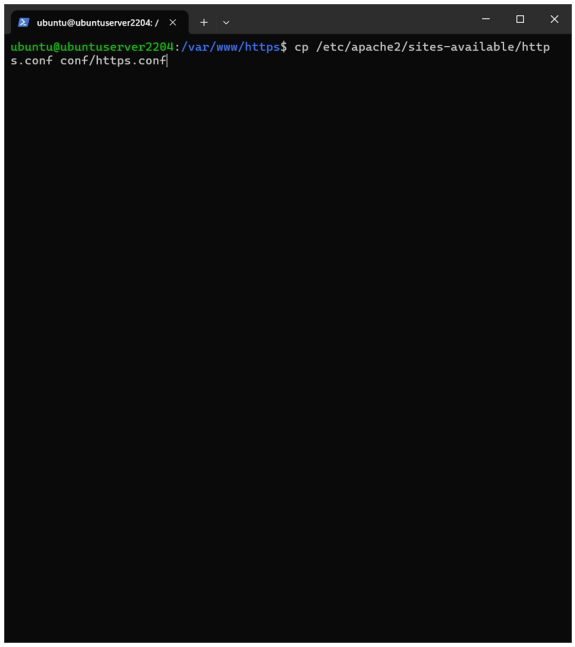
Despliegue aplicaciones web - Anton Blagodarnyy

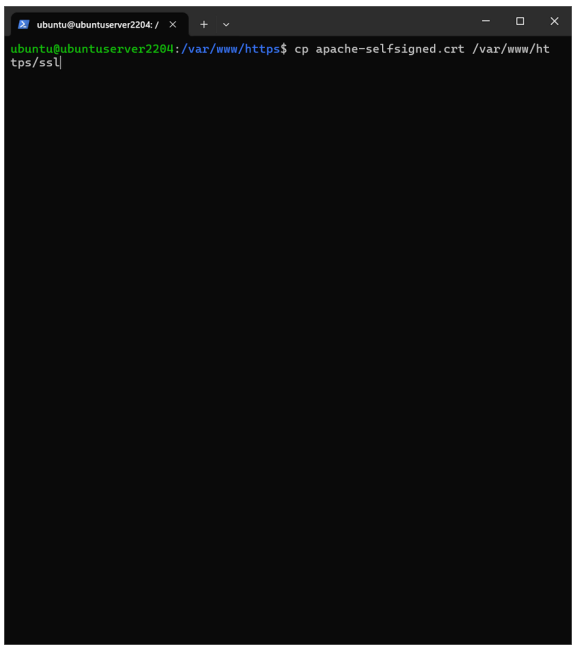
Tarea 3 _ Tema 2

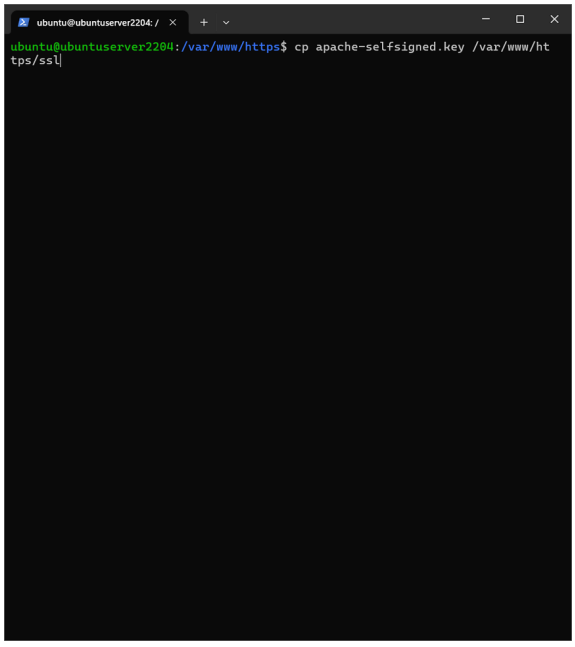
1.-Creamos las carpetas que van a contener la clave y la configuracion.

2.-Copiamos el archivo de configuración.



3.-Copiamos el certificado y su clave. NOTA:La ruta del comando no corresponde con la ruta de la clave por que hice la captura del comando después de haberlo ejecutado.



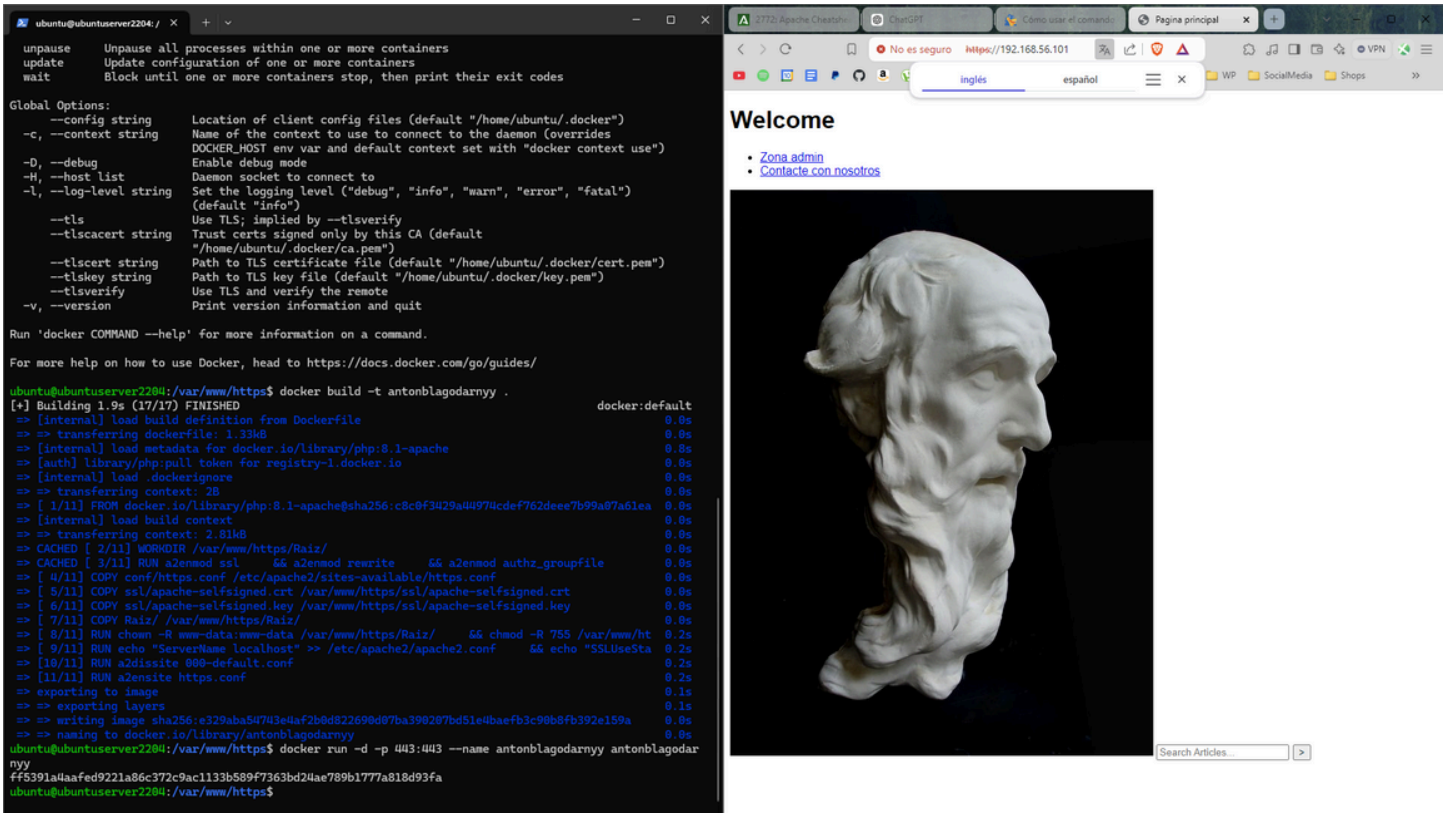


4.-Para poder acceder a la carpeta con el certificado debemos de cambiar los permisos de la misma.

6.-Redactamos el dockerfile.

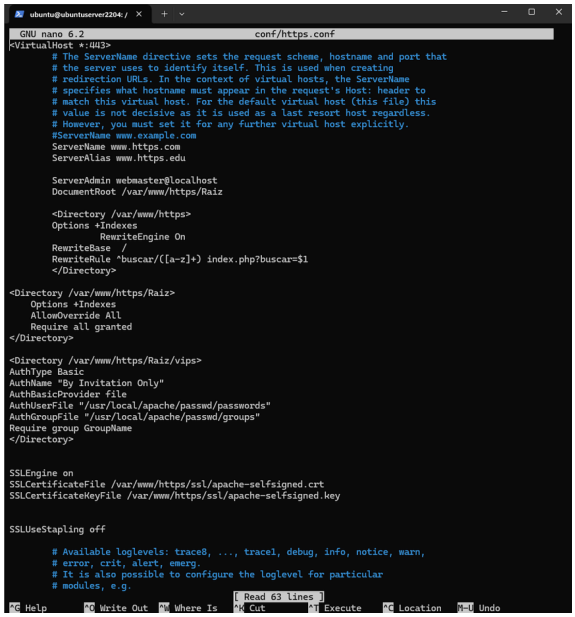
```
ubuntu@ubuntuserver2204: /
 GNU nano 6.2                                Dockerfile
    libapache2-mod-ssl \
    openssl \
    apache2-utils \
    php \
    libapache2-mod-php \
    php-mysql \
    && apt-get clean

# Crear directorios necesarios
RUN mkdir -p /var/www/https/Raiz /var/www/https/Raiz/vips \
    && mkdir -p /usr/local/apache/passwd

# Copiar los archivos de configuración y SSL al contenedor
COPY ./conf/https.conf /etc/apache2/sites-available/https.conf
COPY ./ssl/certificate.crt /etc/ssl/certs/apache-selfsigned.crt
COPY ./ssl/private.key /etc/ssl/private/apache-selfsigned.key

# Configuración de autenticación básica
RUN htpasswd -cb /usr/local/apache/passwd/passwords username password && \
    echo "GroupName: username" > /usr/local/apache/passwd/groups

# Habilitar módulos necesarios, soporte PHP y la configuración de HTTPS
RUN a2enmod ssl rewrite headers auth_basic php7.4 && \
    a2ensite https.conf && \
    a2dissite 000-default.conf

# Exponer puertos HTTP y HTTPS
EXPOSE 80 443

# Copiar el contenido del sitio web
COPY ./Raiz /var/www/https/Raiz

# Ajustar permisos y propietario de los directorios
RUN chown -R www-data:www-data /var/www/https && \
    chmod -R 755 /var/www/https

# Comando por defecto para ejecutar Apache en primer plano
CMD ["apachectl", "-D", "FOREGROUND"]

^G Help      ^O Write Out  ^W Where Is   ^K Cut       ^T Execute
^X Exit      ^R Read File  ^\ Replace    ^U Paste     ^J Justify
```

7.-Hacemos el build y ejecutamos el contenedor y vemos que funciona con el servidor propio de apache desactivado.

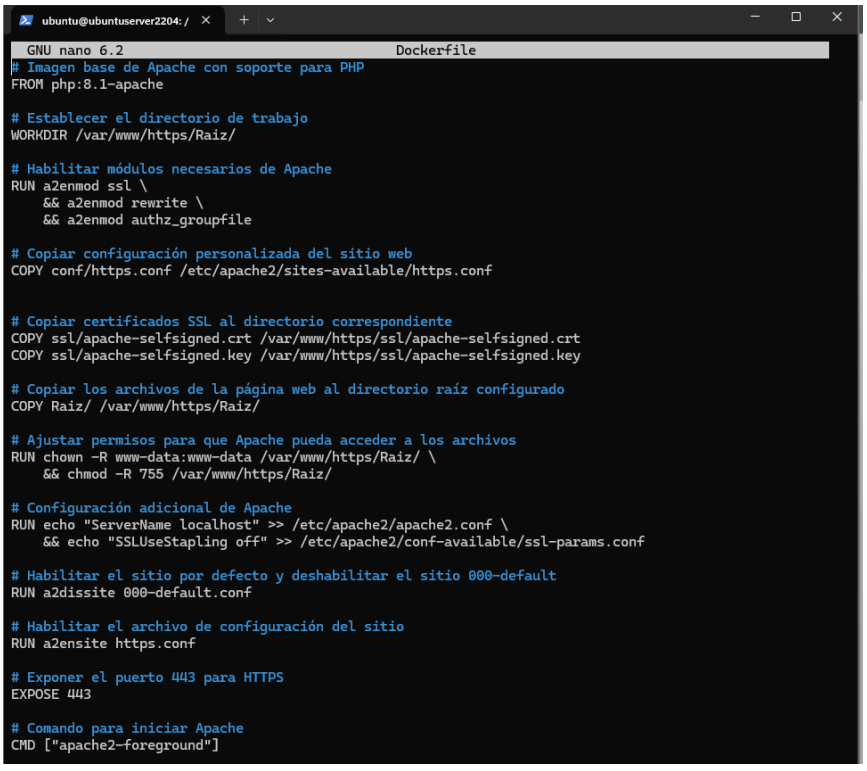


8.-NOTA:Despues de ejecutar el contenedor por primera vez me daba errores el certificado y los modulos por lo que tuve que modificar los archivos:

-https.conf:



-Dockerfile:



9.-Push del contenedor a dockerhub:

```
ubuntu@ubuntuserver2204:/var/www/https$ docker tag antonblagodarnyy antonblagodarnyy/antonblagodarnyy:
latest
ubuntu@ubuntuserver2204:/var/www/https$ docker push antonblagodarnyy/antonblagodarnyy:
latest
invalid reference format
Command 'latest' not found, did you mean:
  command 'atest' from deb direwolf (1.6+dfsg-2)
  command 'lptest' from deb lpr (1:2008.05.17.3+nmu1)
  command 'aatest' from deb libaa-bin (1.4p5-50build1)
  command 'l2test' from deb bluez (5.64-0ubuntu1.3)
Try: sudo apt install <deb name>
ubuntu@ubuntuserver2204:/var/www/https$ docker push antonblagodarnyy/antonblagodarnyy:latest
The push refers to repository [docker.io/antonblagodarnyy/antonblagodarnyy]
4c9092872524: Pushed
35298470b2ab: Pushed
292d9de3aea9: Pushed
15286f17711b: Pushed
ad8dea353028: Pushed
0414c5021d0d: Pushed
481659acf161: Pushed
fb887cb2e6b5: Pushed
13d74af481ac: Pushed
97fd4950272d: Pushed
5f70bf18a086: Mounted from library/php
201072fdce5f: Mounted from library/php
637f81b233dc: Mounted from library/php
3c258c1b43c5: Mounted from library/php
3dcfd973cae4: Mounted from library/php
3c94897215de: Mounted from library/php
daa3a103d4ee: Mounted from library/php
0ccc536f9eaf: Mounted from library/php
9b9b275393b8: Mounted from library/php
f5424978e85c: Mounted from library/php
67d5a3d34aa5: Mounted from library/php
393e280fd64b: Mounted from library/php
c220e4431a69: Mounted from library/php
c0f1022b22a9: Mounted from library/php
latest: digest: sha256:0560d68ac696e88136e44685e6f0b88de8e92892c191130c734baabb42ce28df size: 5320
ubuntu@ubuntuserver2204:/var/www/https$
```

10.-Contenedor subido:

https://hub.docker.com/repository/docker/antonblagodarnyy/antonblagodarnyy/general