

Tarea 1.3

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Modulo: Despliegue de aplicaciones web

Curso: 2º DAW

Ciclo: 2024 - 2025

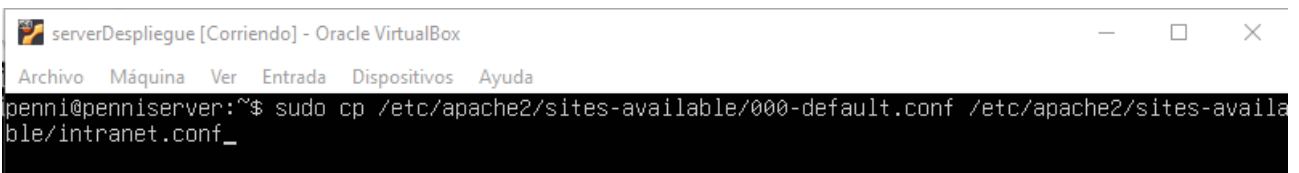
Configurar Apache teniendo en cuenta los siguientes requisitos:

- Se tendrá una página web correspondiente a la Intranet de la empresa. Esta estará almacenada en el directorio `/var/www/html/intranet/` y se accederá a través de <http://www.intranet.local> (puerto 80).
- En el servidor web existirá una segunda web de gestión de tickets que permitirá un mejor soporte técnico. Estará almacenada en el directorio `/var/www/html/webticketing/` y será accesible a través de la url <https://www.soporte.local> (puerto 443)
- Verifica desde consola que el servicio web está ejecutándose correctamente.
- Comprobar que todas las webs son accesibles desde un sistema cliente empleando cualquier navegador web.



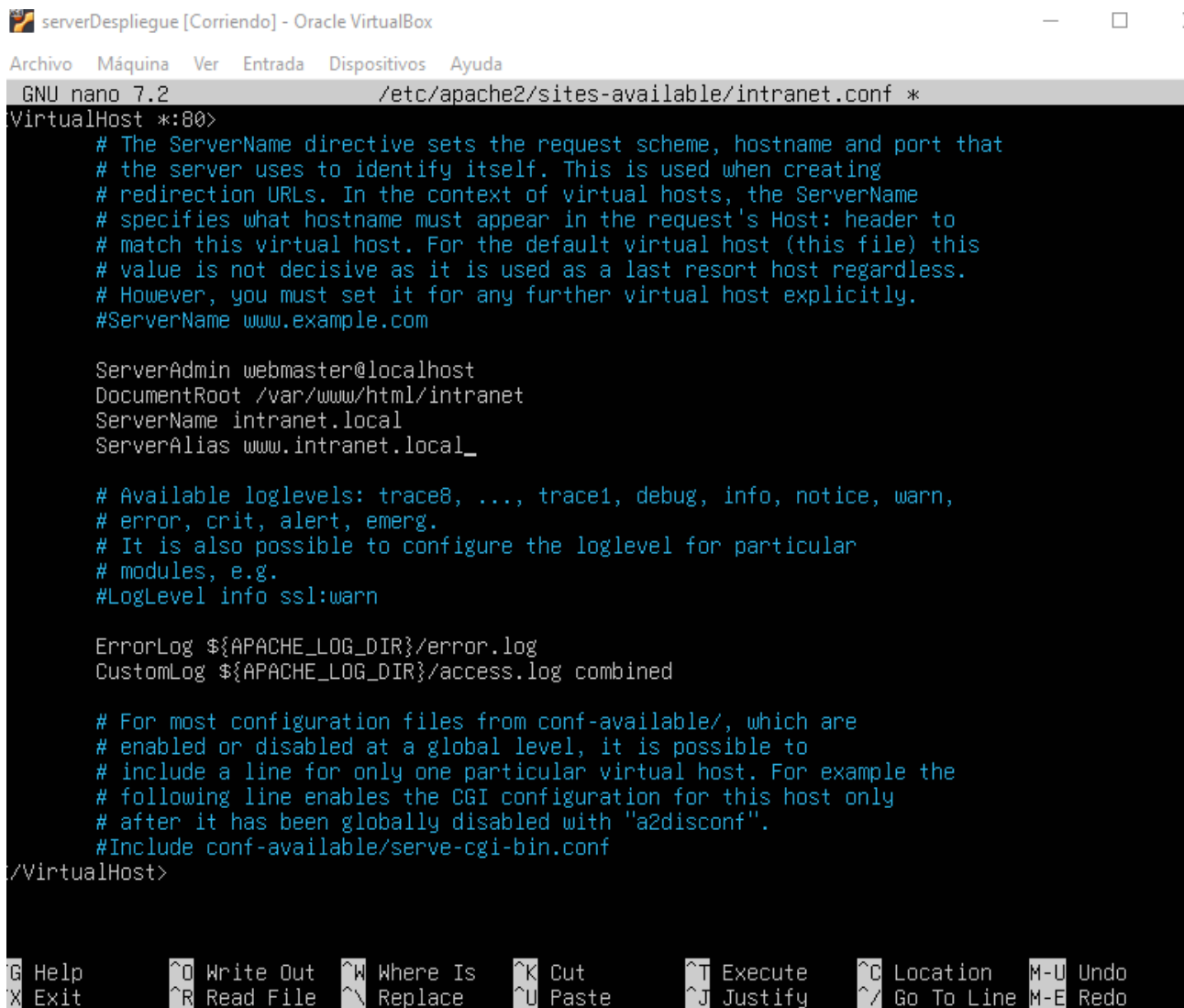
```
serverDespliegue [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
penni@penniserver:~$ sudo mkdir /var/www/html/intranet
penni@penniserver:~$ sudo nano /var/www/html/intranet/index.html
```

Primero creamos el directorio donde estara el archivo index y creamos la estructura de la pagina



```
serverDespliegue [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
penni@penniserver:~$ sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/intranet.conf_
```

copiamos la estructura del 000-default.conf para crear el virtual host de intranet



```
serverDespliegue [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2 /etc/apache2/sites-available/intranet.conf *
VirtualHost *:80>
# 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

ServerAdmin webmaster@localhost
DocumentRoot /var/www/html/intranet
ServerName intranet.local
ServerAlias www.intranet.local_

# Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
# error, crit, alert, emerg.
# It is also possible to configure the loglevel for particular
# modules, e.g.
#LogLevel info ssl:warn

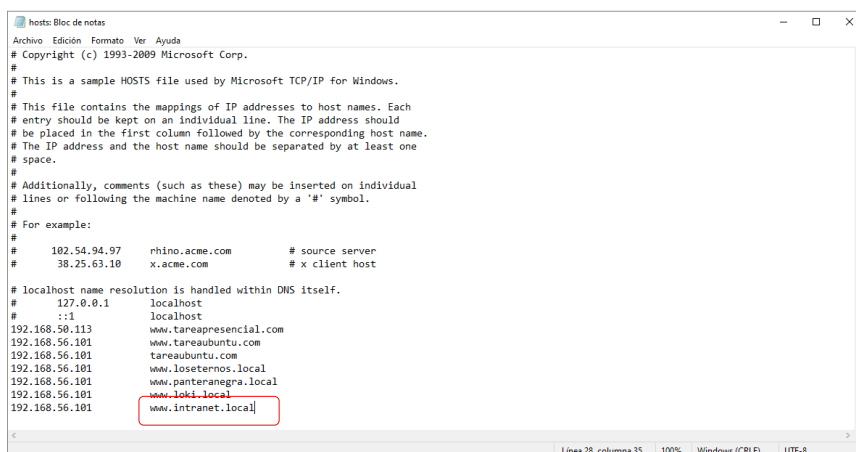
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

# For most configuration files from conf-available/, which are
# enabled or disabled at a global level, it is possible to
# include a line for only one particular virtual host. For example 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
/VirtualHost>
G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location  M-U Undo
X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_ Go To Line M-E Redo
```

Con el comando nano modificamos el archivo intranet.conf para poder acceder a la pagina desde la direccion www.intranet.local

```
benni@penniserver:~$ sudo a2ensite intranet.conf
Enabling site intranet.
To activate the new configuration, you need to run:
  systemctl reload apache2
benni@penniserver:~$ sudo systemctl reload apache2
benni@penniserver:~$ _
```

Con todo listo habilitamos el virtual host y recargamos el servidor



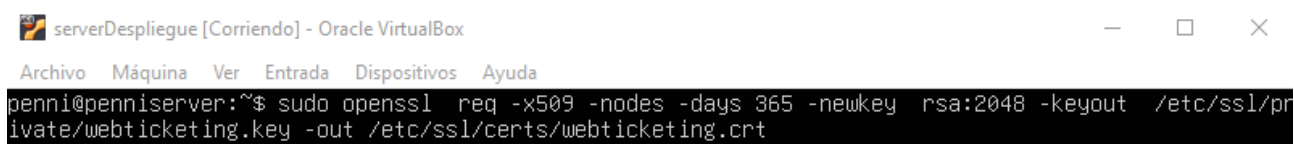
```
penni@penniserver:~$ sudo a2ensite intranet.conf
Enabling site intranet.
To activate the new configuration, you need to run:
  systemctl reload apache2
penni@penniserver:~$ sudo systemctl reload apache2
penni@penniserver:~$ sudo systemctl status apache2
apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Thu 2024-10-17 08:18:09 UTC; 30min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 1029 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Process: 1614 ExecReload=/usr/sbin/apachectl graceful (code=exited, status=0/SUCCESS)
  Main PID: 1057 (apache2)
    Tasks: 55 (limit: 5889)
   Memory: 10.1M (peak: 15.7M)
      CPU: 276ms
   CGroup: /system.slice/apache2.service
           └─1057 /usr/sbin/apache2 -k start
             └─1618 /usr/sbin/apache2 -k start
               └─1619 /usr/sbin/apache2 -k start

oct 17 08:18:09 penniserver systemd[1]: Starting apache2.service - The Apache HTTP Server
oct 17 08:18:09 penniserver apachectl[1048]: AH00558: apache2: Could not reliably determine
oct 17 08:18:09 penniserver systemd[1]: Started apache2.service - The Apache HTTP Server
oct 17 08:23:03 penniserver systemd[1]: Reloading apache2.service - The Apache HTTP Server
oct 17 08:23:03 penniserver apachectl[1384]: AH00558: apache2: Could not reliably determine
oct 17 08:23:03 penniserver systemd[1]: Reloaded apache2.service - The Apache HTTP Server
oct 17 08:45:51 penniserver systemd[1]: Reloading apache2.service - The Apache HTTP Server
oct 17 08:45:51 penniserver apachectl[1617]: AH00558: apache2: Could not reliably determine
oct 17 08:45:51 penniserver systemd[1]: Reloaded apache2.service - The Apache HTTP Server
lines 1-24/24 (END)
```

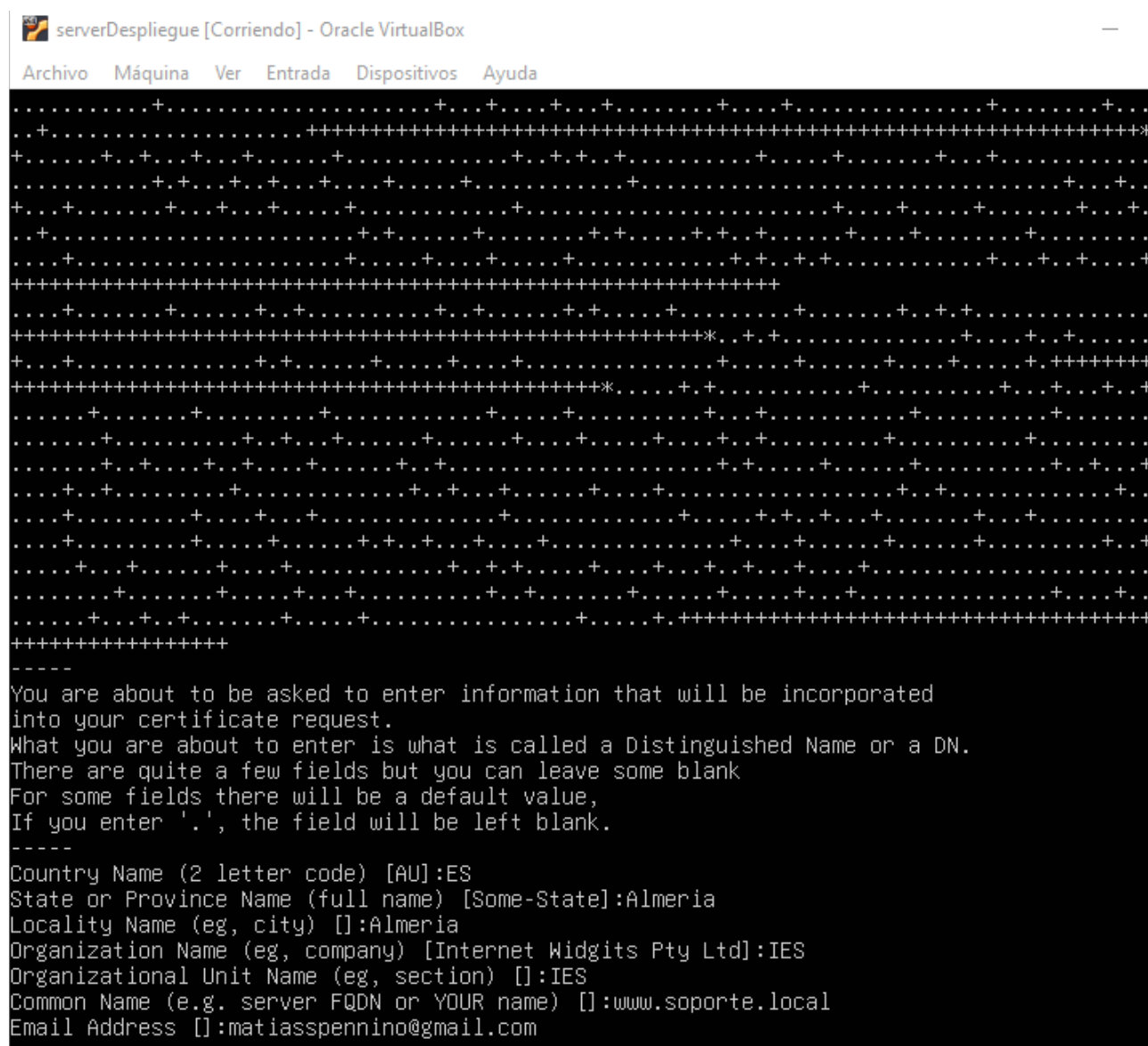
Todo funciona correctamente

```
penni@penniserver:~$ sudo mkdir /var/www/html/webticketing
penni@penniserver:~$ sudo nano /var/www/html/webticketing/index.html
```

Para la segunda pagina repetimos el proceso de crear el index.html



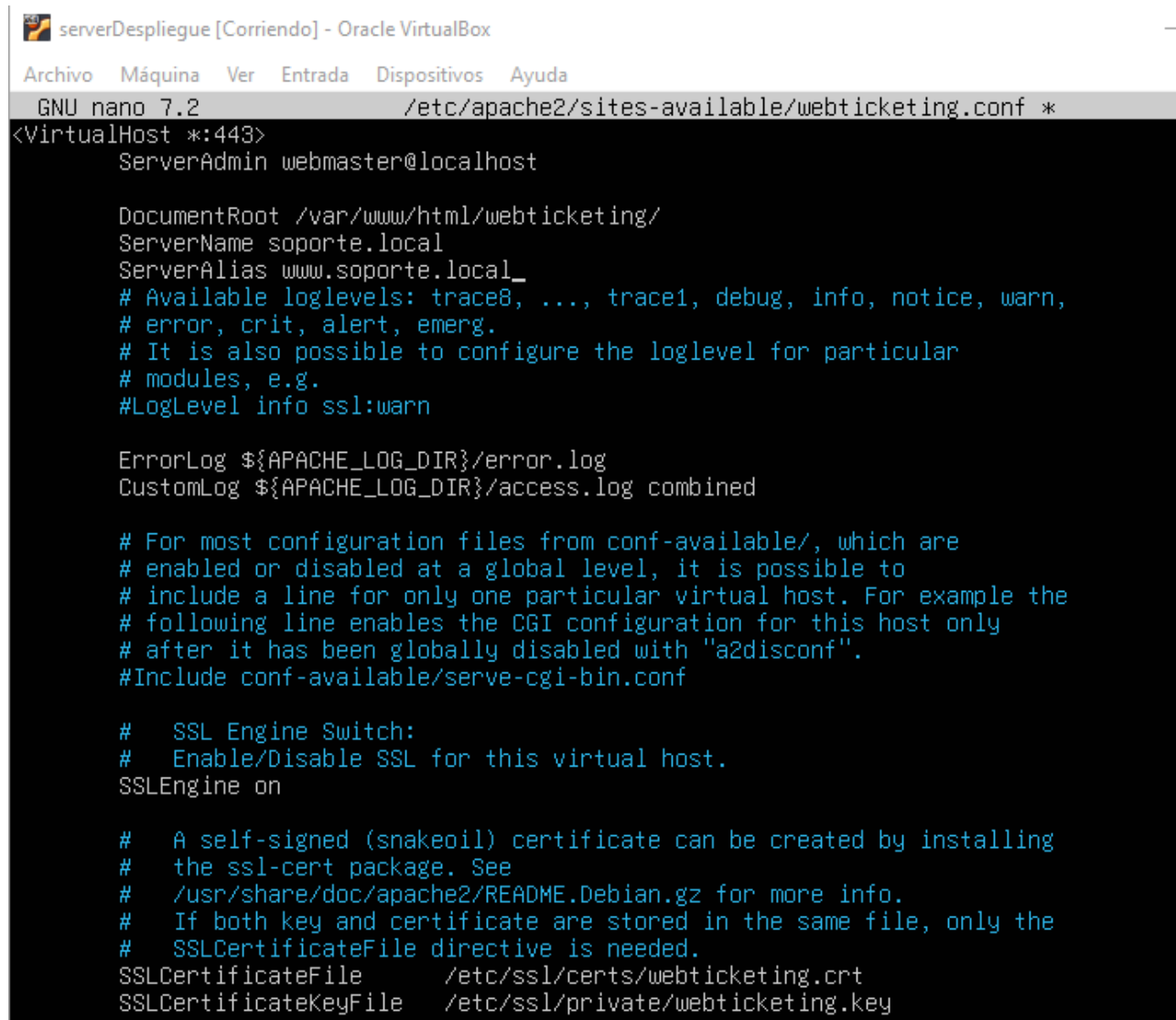
Con este comando crearemos el certificado para la pagina



Asi quedaria el certificado completado



Copiamos el default-ssl.conf para nuestro virtual host



```
serverDespliegue [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2 /etc/apache2/sites-available/webticketing.conf *
<VirtualHost *:443>
    ServerAdmin webmaster@localhost

    DocumentRoot /var/www/html/webticketing/
    ServerName soporte.local
    ServerAlias www.soporte.local_
    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
    # error, crit, alert, emerg.
    # It is also possible to configure the loglevel for particular
    # modules, e.g.
    #LogLevel info ssl:warn

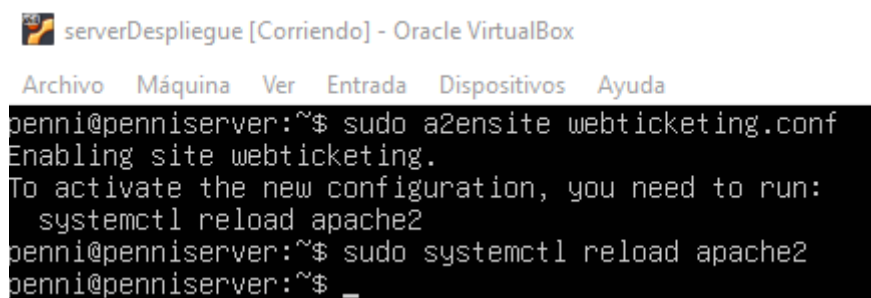
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined

    # For most configuration files from conf-available/, which are
    # enabled or disabled at a global level, it is possible to
    # include a line for only one particular virtual host. For example 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 directive is needed.
    SSLCertificateFile /etc/ssl/certs/webticketing.crt
    SSLCertificateKeyFile /etc/ssl/private/webticketing.key
```

Configuramos el archivo .conf para que quede asi



```
serverDespliegue [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
penni@penniserver:~$ sudo a2ensite webticketing.conf
Enabling site webticketing.
To activate the new configuration, you need to run:
    systemctl reload apache2
penni@penniserver:~$ sudo systemctl reload apache2
penni@penniserver:~$ _
```


Habilitamos el virtual host y corroboramos que todo funcione bien

despliegueWinServ [Corriendo] - Oracle VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

soporte.local x +

No seguro | <https://www.soporte.local>

Pagina de webticketing

hosts: Bloc de notas

Archivo Edición Formato Ver Ayuda

```
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#       102.54.94.97       rhino.acme.com          # source server
#       38.25.63.10       x.acme.com              # x client host

# localhost name resolution is handled within DNS itself.
#
#       127.0.0.1         localhost
#       ::1               localhost
192.168.50.113            www.tareapresencial.com
192.168.56.101            www.tareaubuntu.com
192.168.56.101            tareaubuntu.com
192.168.56.101            www.loseternos.local
192.168.56.101            www.panteranegra.local
192.168.56.101            www.loki.local
192.168.56.101            www.intranet.local
192.168.56.101            www.soporte.local
```

```
serverDespliegue [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
penni@penniserver:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Thu 2024-10-17 08:18:09 UTC; 54min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 1029 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Process: 1915 ExecReload=/usr/sbin/apachectl graceful (code=exited, status=0/SUCCESS)
 Main PID: 1057 (apache2)
    Tasks: 55 (limit: 5889)
   Memory: 11.2M (peak: 15.7M)
      CPU: 386ms
   CGroup: /system.slice/apache2.service
           └─1057 /usr/sbin/apache2 -k start
             └─1919 /usr/sbin/apache2 -k start
               └─1920 /usr/sbin/apache2 -k start

oct 17 08:18:09 penniserver systemd[1]: Started apache2.service - The Apache HTTP Server.
oct 17 08:23:03 penniserver systemd[1]: Reloading apache2.service - The Apache HTTP Server...
oct 17 08:23:03 penniserver apachectl[1384]: AH00558: apache2: Could not reliably determine the se
oct 17 08:23:03 penniserver systemd[1]: Reloaded apache2.service - The Apache HTTP Server.
oct 17 08:45:51 penniserver systemd[1]: Reloading apache2.service - The Apache HTTP Server...
oct 17 08:45:51 penniserver apachectl[1617]: AH00558: apache2: Could not reliably determine the se
oct 17 08:45:51 penniserver systemd[1]: Reloaded apache2.service - The Apache HTTP Server.
oct 17 09:10:04 penniserver systemd[1]: Reloading apache2.service - The Apache HTTP Server...
oct 17 09:10:04 penniserver apachectl[1918]: AH00558: apache2: Could not reliably determine the se
oct 17 09:10:04 penniserver systemd[1]: Reloaded apache2.service - The Apache HTTP Server.
lines 1-25/25 (END)
```

Todo funciona correctamente