

1.Ya instalé apache

[illegible]

2. Vemos que se creo todo

```
root@osboxes:/home/osboxes# cat /etc/passwd |grep www-data
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
root@osboxes:/home/osboxes# cat /etc/group |grep www-data
www-data:x:33:
root@osboxes:/home/osboxes#

root@osboxes:/home/osboxes# cd /var/www/html/
root@osboxes:/var/www/html# ps -ef | grep apache2
root      18574      1  0 05:00 ?        00:00:00 /usr/sbin/apache2 -k start
www-data  18576    18574  0 05:00 ?        00:00:00 /usr/sbin/apache2 -k start
www-data  18577    18574  0 05:00 ?        00:00:00 /usr/sbin/apache2 -k start
www-data  18776      1  0 05:00 ?        00:00:00 /usr/bin/htcacheclean -d 120 -p /var/cache/apache2/mod_cache
    300M -n
root      19240    7423  0 05:03 pts/4    00:00:00 grep --color=auto apache2
root@osboxes:/var/www/html#
```

Se creó el directorio

```
root@osboxes:/var/www/html# cd ..
root@osboxes:/var/www# ls -l
total 4
drwxr-xr-x 2 root root 4096 Sep 25 05:00 html
root@osboxes:/var/www# cd html/
root@osboxes:/var/www/html# ls -l
total 12
-rw-r--r-- 1 root root 10671 Sep 25 05:00 index.html
root@osboxes:/var/www/html#
```

ServerRoot

```
#  
#ServerRoot "/etc/apache2"  
  
#  
# The accept serialization lock file MUST BE STORED ON A LOCAL DISK.  
#  
#Mutex file:${APACHE_LOCK_DIR} default
```

Timeout

```
# Timeout: The number of seconds before receives and sends time out.  
#  
Timeout 300
```

User and group

```
# These need to be set in /etc/apache2/envvars  
User ${APACHE_RUN_USER}  
Group ${APACHE_RUN_GROUP}
```

Ficheros de errores y accesos

```
root@osboxes:/# cat /var/log/apache2/error.log  
[Thu Sep 25 05:00:05.738260 2025] [mpm_event:notice] [pid 18574:tid 133578923812736] AH00489: Apache/2.4.58 (Ubuntu)  
figured -- resuming normal operations  
[Thu Sep 25 05:00:05.738319 2025] [core:notice] [pid 18574:tid 133578923812736] AH00094: Command line: '/usr/sbin/apachectl -k'  
root@osboxes:/# cat /var/log/apache2/access.log  
root@osboxes:/#
```

Módulos activos

```
root@osboxes:/# ls /etc/apache2/mods-enabled/  
access_compat.load  authn_file.load  autoindex.load  env.load  mpm_event.load  setenvif.conf  
alias.conf          authz_core.load  deflate.conf    filter.load  negotiation.conf setenvif.load  
alias.load          authz_host.load  deflate.load    mime.conf   negotiation.load status.conf  
auth_basic.load     authz_user.load  dir.conf       mime.load   reqtimeout.conf  status.load  
authn_core.load     autoindex.conf  dir.load       mpm_event.conf reqtimeout.load  
root@osboxes:/#
```

3. con nano /etc/hosts añadimos estos 2 para tener varios nombres asociados localmente

```
GNU nano 7.2 /etc/hosts *
127.0.0.1 localhost
127.0.1.1 osboxes kirito1 kirito2

# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters

[ Read 9 lines ]
```

Escucha puerto 8080

```
# The directory where shm and other runtime files will be stored.
#

DefaultRuntimeDir ${APACHE_RUN_DIR}
Listen 8080
#

# PidFile: The file in which the server should record its process
```

cambiamos

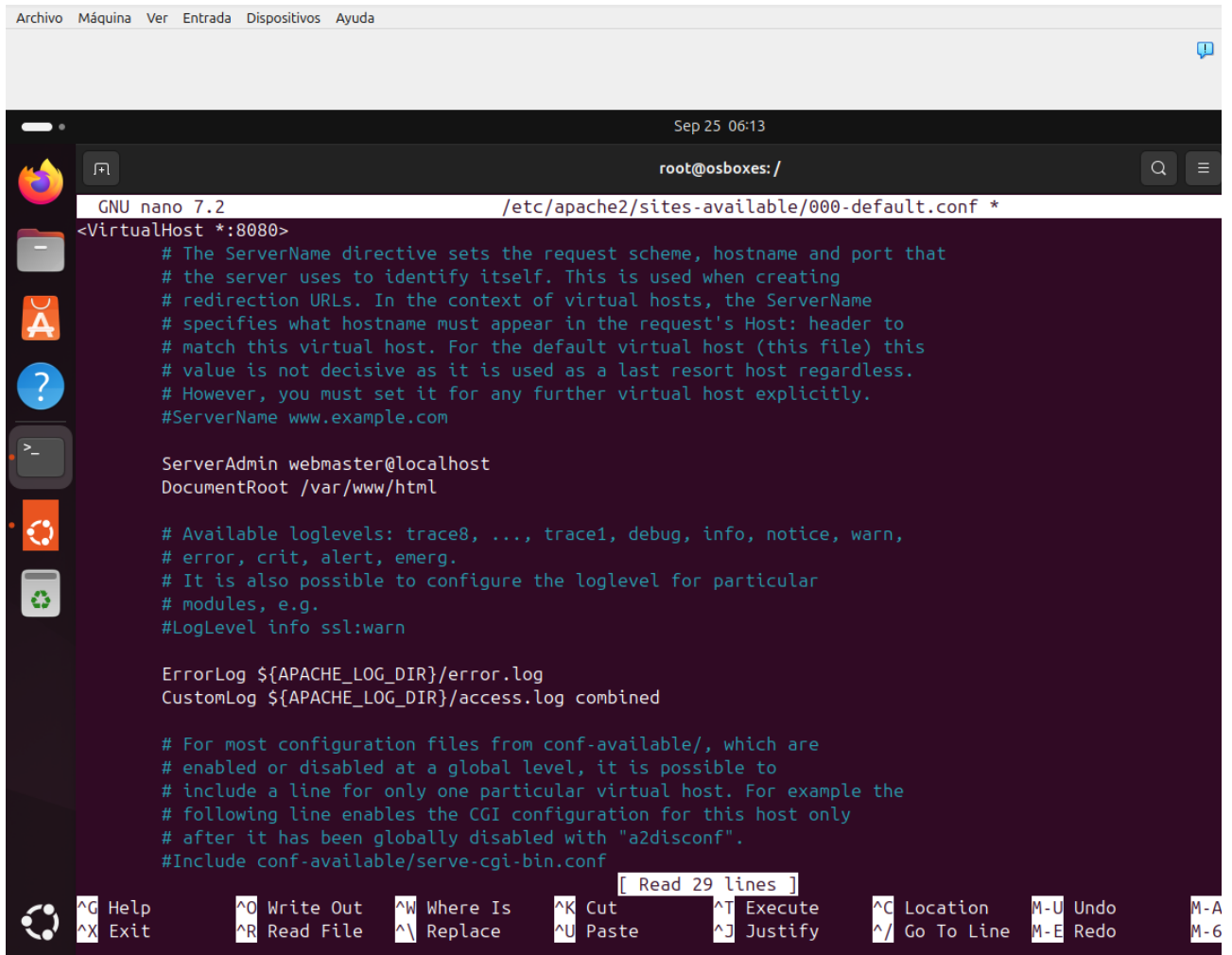
```
GNU nano 7.2 /etc/apache2/ports.conf
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf

Listen 8080

<IfModule ssl_module>
    Listen 443
</IfModule>

<IfModule mod_gnutls.c>
    Listen 443
</IfModule>
```

Lo cambiamos al puerto 8080



The screenshot shows a terminal window with a dark background. At the top, there's a menu bar with 'Archivo', 'Máquina', 'Ver', 'Entrada', 'Dispositivos', and 'Ayuda'. Below it, the terminal title bar shows 'Sep 25 06:13' and 'root@osboxes: /'. The main content is the nano 7.2 editor editing the file '/etc/apache2/sites-available/000-default.conf *'. The editor shows the configuration for a VirtualHost *:8080. The configuration includes comments about the ServerName directive, the ServerAdmin webmaster@localhost, the DocumentRoot /var/www/html, log levels (trace8 to emerg), and log files (error.log and access.log). It also includes a comment about the Include directive for conf-available/serve-cgi-bin.conf. At the bottom of the editor, there's a status bar with various keyboard shortcuts like ^G Help, ^O Write Out, ^W Where Is, ^K Cut, ^T Execute, ^C Location, M-U Undo, M-A Exit, ^R Read File, ^\ Replace, ^U Paste, ^J Justify, ^_ Go To Line, M-E Redo, and M-6.

```
GNU nano 7.2 /etc/apache2/sites-available/000-default.conf *
<VirtualHost *:8080>
    # 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

    # 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
[ Read 29 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location  M-U Undo     M-A
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line M-E Redo     M-6
```

Reiniciamos apache y comprobamos



The screenshot shows a terminal window with a dark background. The terminal shows the following commands and output:

```
root@osboxes:/# nano /etc/hosts
root@osboxes:/# nano /etc/apache2/apache2.conf
root@osboxes:/# nano /etc/apache2/sites-available/000-default.conf
root@osboxes:/# systemctl restart apache2
root@osboxes:/# ss -tlnp |grep 8080
LISTEN 0      511          *:8080      *:.*      users:(("apache2",pid=19728,fd=4),("apache2",pid=19725,fd=4))
root@osboxes:/#
```

Carpeta que está usando para servir páginas

```
Sep 25 06:17
root@osboxes: /
GNU nano 7.2 /var/www/html/index.html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-trans
<html xmlns="http://www.w3.org/1999/xhtml">
  <!--
    Modified from the Debian original for Ubuntu
    Last updated: 2022-03-22
    See: https://launchpad.net/bugs/1966004
  -->
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
    <title>Apache2 Ubuntu Default Page: It works</title>
    <style type="text/css" media="screen">
      * {
        margin: 0px 0px 0px 0px;
        padding: 0px 0px 0px 0px;
      }

      body, html {
        padding: 3px 3px 3px 3px;

        background-color: #D8DBE2;

        font-family: Ubuntu, Verdana, sans-serif;
        font-size: 11pt;
        text-align: center;
      }

      div.main_page {
        position: relative;
      }
    </style>
  </head>
  <body>
    <div class="main_page">
      <div class="server_version">
        Apache/2.4.18 Ubuntu
      </div>
      <div class="server_version">
        Ubuntu/22.04
      </div>
    </div>
  </body>
</html>
[ Read 363 lines ]
```

no me deja

