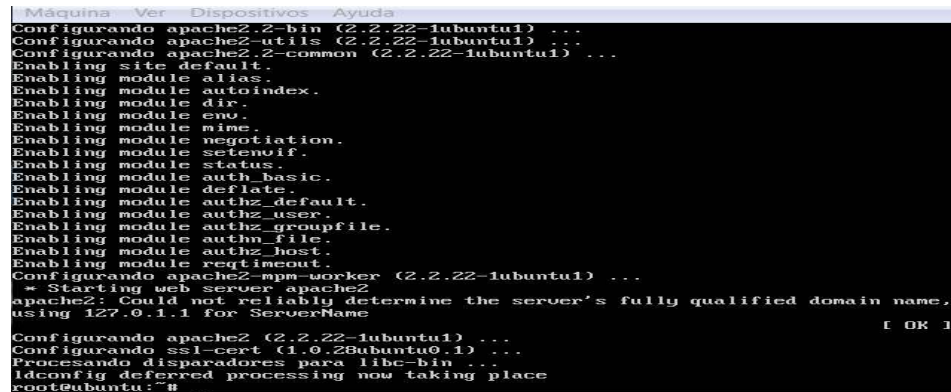


Instalación Apache en Linux



Instalación Apache, PHP, MySQL y LAMP en
Linux

Instalación Apache



```
Máquina Ver Dispositivos Ayuda
Configurando apache2-bin (2.2.22-1ubuntu1) ...
Configurando apache2-utils (2.2.22-1ubuntu1) ...
Configurando apache2.2-common (2.2.22-1ubuntu1) ...
Enabling site default.
Enabling module alias.
Enabling module autoindex.
Enabling module dir.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module status.
Enabling module auth_basic.
Enabling module deflate.
Enabling module authz_default.
Enabling module authz_user.
Enabling module authz_groupfile.
Enabling module authn_file.
Enabling module authz_host.
Enabling module reqtimeout.
Configurando apache2-mpm-worker (2.2.22-1ubuntu1) ...
* Starting web server apache2
apache2: Could not reliably determine the server's fully qualified domain name,
using 127.0.1.1 for ServerName
[ OK ]
Configurando apache2 (2.2.22-1ubuntu1) ...
Configurando ssl-cert (1.0.28ubuntu0.1) ...
Procesando disparadores para libc-bin ...
ldconfig deferred processing now taking place
root@ubuntu:~#
```

- Actualizar los paquetes de Apache:
apt-get update
- Instalar apache
apt-get install apache2
- Comprobad que está funcionando:
ps aux|grep apache2
netstat -nlt

Apache funcionando ...

```
usuario@ubuntuserver01:/etc/apache2$ ps aux|grep apache
root      3183  0.0  0.4 78192 5020 ?        Ss   nov26   0:00 /usr/sbin/apache2 -k start
www-data  3186  0.0  0.4 830488 4752 ?        S1   nov26   0:00 /usr/sbin/apache2 -k start
www-data  3187  0.0  0.5 830632 5452 ?        S1   nov26   0:00 /usr/sbin/apache2 -k start
usuario   3490  0.0  0.0 13136 1004 tty1    S+   00:01   0:00 grep --color=auto apache
usuario@ubuntuserver01:/etc/apache2$ _
```

```
usuario@ubuntuserver01:/etc/apache2$ netstat -nlt
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp      0      0 192.168.1.60:53         0.0.0.0:*               LISTEN
tcp      0      0 192.168.1.17:53         0.0.0.0:*               LISTEN
tcp      0      0 127.0.0.1:53            0.0.0.0:*               LISTEN
tcp      0      0 127.0.0.53:53           0.0.0.0:*               LISTEN
tcp      0      0 0.0.0.0:22              0.0.0.0:*               LISTEN
tcp      0      0 127.0.0.1:953           0.0.0.0:*               LISTEN
tcp6     0      0 :::21                   :::*                    LISTEN
tcp6     0      0 :::22                   :::*                    LISTEN
tcp6     0      0 :::80                   :::*                    LISTEN
usuario@ubuntuserver01:/etc/apache2$ _
```

Apache funcionando ...



The image shows a web browser window with the title "Apache2 Ubuntu Default Page". The address bar shows the URL "192.168.1.17". The page content includes the Ubuntu logo, the text "Apache2 Ubuntu Default Page", and a red banner that says "It works!". Below this, there is a paragraph of text explaining that this is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems.

Below the browser window, there is a file directory listing for the "Index of /" directory. The listing shows three files: "configuracionApache/", "daw.html.BAK", and "index.html".

Name	Last modified	Size	Description
configuracionApache/	2018-12-09 13:21	-	
daw.html.BAK	2018-12-09 20:07	22	
index.html	2018-11-26 23:35	11K	

Apache/2.4.29 (Ubuntu) Server at 192.168.1.17 Port 80

Prueba desde el propio sistema

```
usuario@ubuntuserver01:/etc/apache2$ systemctl status apache2
• apache2.service - The Apache HTTP Server
  Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
  Drop-In: /lib/systemd/system/apache2.service.d
           └─apache2-systemd.conf
  Active: active (running) since Mon 2018-11-26 23:35:59 UTC; 25min ago
  Main PID: 3183 (apache2)
  Tasks: 55 (limit: 1110)
  CGroup: /system.slice/apache2.service
          └─3183 /usr/sbin/apache2 -k start
             3186 /usr/sbin/apache2 -k start
             3187 /usr/sbin/apache2 -k start

nov 26 23:35:59 ubuntuserver01 systemd[1]: Starting The Apache HTTP Server...
nov 26 23:35:59 ubuntuserver01 systemd[1]: Started The Apache HTTP Server.
```

Directorios de Apache

DocumentRoot

```
usuario@ubuntu01:/etc/apache2$ ls -la /var/www/html/  
total 20  
drwxr-xr-x 2 root root 4096 nov 26 23:35 .  
drwxr-xr-x 3 root root 4096 nov 26 23:35 ..  
-rw-r--r-- 1 root root 10918 nov 26 23:35 index.html  
usuario@ubuntu01:/etc/apache2$ _
```

Directorios de Apache ServerRoot

```
usuario@ubuntuserver01:/etc/apache2$ ls -la
total 88
drwxr-xr-x  8 root root  4096 nov 26 23:56 .
drwxr-xr-x 94 root root  4096 nov 26 23:36 ..
-rw-r--r--  1 root root  7224 oct 10 18:59 apache2.conf
drwxr-xr-x  2 root root  4096 nov 26 23:35 conf-available
drwxr-xr-x  2 root root  4096 nov 26 23:35 conf-enabled
-rw-r--r--  1 root root  1782 oct 10 18:59 envvars
-rw-r--r--  1 root root 31063 oct 10 18:59 magic
drwxr-xr-x  2 root root 12288 nov 26 23:35 mods-available
drwxr-xr-x  2 root root  4096 nov 26 23:35 mods-enabled
-rw-r--r--  1 root root   320 oct 10 18:59 ports.conf
drwxr-xr-x  2 root root  4096 nov 26 23:35 sites-available
drwxr-xr-x  2 root root  4096 nov 26 23:56 sites-enabled
usuario@ubuntuserver01:/etc/apache2$ _
```

Fichero de configuración /etc/apache2/apache.conf

```
GNU nano 2.9.3 /etc/apache2/apache2.conf

# This is the main Apache server configuration file.  It contains the
# configuration directives that give the server its instructions.
# See http://httpd.apache.org/docs/2.4/ for detailed information about
# the directives and /usr/share/doc/apache2/README.Debian about Debian specific
# hints.
#
#
# Summary of how the Apache 2 configuration works in Debian:
# The Apache 2 web server configuration in Debian is quite different to
# upstream's suggested way to configure the web server. This is because Debian's
# default Apache2 installation attempts to make adding and removing modules,
# virtual hosts, and extra configuration directives as flexible as possible, in
# order to make automating the changes and administering the server as easy as
# possible.
#
# It is split into several files forming the configuration hierarchy outlined
# below, all located in the /etc/apache2/ directory:
#
#      /etc/apache2/
#      |-- apache2.conf
#      |   |-- ports.conf
#      |-- mods-enabled
#      |   |-- *.load
#      |   |-- *.conf
#      |-- conf-enabled
#      |   |-- *.conf
#      |-- sites-enabled
#      |   |-- *.conf
#
#
# * apache2.conf is the main configuration file (this file). It puts the pieces
# together by including all remaining configuration files when starting up the
# [ Read 227 lines ]
```


/etc/apache2/apache2.conf

```
GNU nano 2.9.3 /etc/apache2/apache2.conf

# Include module configuration:
IncludeOptional mods-enabled/*.load
IncludeOptional mods-enabled/*.conf

# Include list of ports to listen on
Include ports.conf

# Sets the default security model of the Apache2 HTTPD server. It does
# not allow access to the root filesystem outside of /usr/share and /var/www.
# The former is used by web applications packaged in Debian,
# the latter may be used for local directories served by the web server. If
# your system is serving content from a sub-directory in /srv you must allow
# access here, or in any related virtual host.
<Directory />
    Options FollowSymLinks
    AllowOverride None
    Require all denied
</Directory>

<Directory /usr/share>
    AllowOverride None
    Require all granted
</Directory>

<Directory /var/www/>
    Options Indexes FollowSymLinks
    AllowOverride None
    Require all granted
</Directory>

# Include generic snippets of statements
IncludeOptional conf-enabled/*.conf

# Include the virtual host configurations:
IncludeOptional sites-enabled/*.conf

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

Fichero de configuración /etc/apache2/apache2.conf

```
GNU nano 2.9.3 /etc/apache2/sites-enabled/000-default.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
    <Directory /var/www/html>
        Options -Indexes
        DirectoryIndex daw.html
    </Directory>

    # 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.
    # following line enables the CGI configuration for this host
    # after it has been globally disabled with "a2disconf".
    #Include conf-available/serve-cgi-bin.conf
# vim: syntax=apache ts=4 sw=4 sts=4 sr noet

[ Read 35 lines ]
```

Personalizar la página de inicio

- vi /var/www/html/index.html
- Crear un directorio llamado ejemplo y mover el fichero index.html a ese directorio
- ¿Qué ocurre, al volver a lanzar la petición <http://10.12.1.xx> desde un navegador?



Reiniciar apache

- `/etc/init.d/apache2 restart/start/stop/status`
- Ver versión: `apache2 -v`
- Ver módulos instalados:
- `ls -la /etc/apache2/mods-enabled`
- Ver módulos disponibles:
- `ls -la /etc/apache2/mods-available`

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