

Julien Cambot

Installation Apache2 et configuration https

Mise a jour du systeme


```
5 apt update
```

```
6 apt upgrade
```

installation apache2

```
7 hostnamectl set-hostname apache2
```

```
8 apt install apache -y
```



Apache2 Debian Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Debian systems. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Debian's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Debian tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Debian systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.

ou trouver les fichier apache2 et ou sont les fichiers de configuration

```
root@apache2:/usr/sbin# whereis apache2
apache2: /usr/sbin/apache2 /usr/lib/apache2 /etc/apache2 /usr/share/apache2 /usr/share/man/man8/ap
ache2.8.gz
root@apache2:/usr/sbin# cd /usr/sbin/
root@apache2:/usr/sbin# ls a2* *apache*
a2disconf  a2dissite  a2enmod    a2query    apache2ctl
a2dismod   a2enconf   a2ensite   apache2     apachectl
```

```

root@apache2:/usr/sbin# cd /etc/apache2/
root@apache2:/etc/apache2# cat 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.
..
root@apache2:/etc/apache2# ls -al
total 96
drwxr-xr-x  8 root root  4096 18 nov.  14:48 .
drwxr-xr-x 121 root root 12288 18 nov.  14:47 ..
-rw-r--r--  1 root root  7178  4 oct.  17:21 apache2.conf
drwxr-xr-x  2 root root  4096 18 nov.  14:48 conf-available
drwxr-xr-x  2 root root  4096 18 nov.  14:48 conf-enabled
-rw-r--r--  1 root root  1782 28 sept. 10:35 envvars
-rw-r--r--  1 root root 31063 23 juil.  2022 magic
drwxr-xr-x  2 root root 12288 18 nov.  14:48 mods-available
drwxr-xr-x  2 root root  4096 18 nov.  14:48 mods-enabled
-rw-r--r--  1 root root   274 29 sept. 20:51 ports.conf
drwxr-xr-x  2 root root  4096 18 nov.  14:48 sites-available
drwxr-xr-x  2 root root  4096 18 nov.  14:48 sites-enabled

root@apache2:/etc/apache2# ps aux | grep apach
root          33711  0.0  0.1  6708 4804 ?        Ss   14:48   0:00 /usr/sbin/apache2 -k start
www-data     33712  0.0  0.3 1999280 14188 ?        Sl   14:48   0:00 /usr/sbin/apache2 -k start
www-data     33714  0.0  0.3 1999280 14184 ?        Sl   14:48   0:00 /usr/sbin/apache2 -k start
www-data     33793  0.0  0.0   3408   168 ?        Ss   14:48   0:00 /usr/bin/htcacheclean -d 120 -p
/var/cache/apache2/mod_cache_disk -l 300M -n
root          34166 33.3  0.0   6352 2328 pts/0    S+   15:50   0:00 grep apach

root@apache2:/etc/apache2# ps aux --forest| grep apach
root          34169  0.0  0.0   6352 2244 pts/0    S+   15:52   0:00 |                                     \_ grep apach
root          33711  0.0  0.1   6708 4804 ?        Ss   14:48   0:00 /usr/sbin/apache2 -k start
www-data     33712  0.0  0.3 1999280 14188 ?        Sl   14:48   0:00 \_ /usr/sbin/apache2 -k start
www-data     33714  0.0  0.3 1999280 14184 ?        Sl   14:48   0:00 \_ /usr/sbin/apache2 -k start
www-data     33793  0.0  0.0   3408   168 ?        Ss   14:48   0:00 /usr/bin/htcacheclean -d 120 -p
/var/cache/apache2/mod_cache_disk -l 300M -n
root@apache2:/etc/apache2# ls mods-enabled/
access_compat.load  authz_core.load  deflate.load  mime.load  reqtimeout.load
alias.conf          authz_host.load  dir.conf     mpm_event.conf  setenvif.conf
alias.load          authz_user.load  dir.load     mpm_event.load  setenvif.load
auth_basic.load     autoindex.conf  env.load     negotiation.conf  status.conf
authn_core.load     autoindex.load  filter.load  negotiation.load  status.load
authn_file.load     deflate.conf     mime.conf    reqtimeout.conf

root@apache2:~# sudo a2query -M
event
root@apache2:~#

```

installation de LAMP (Linux apache2 mysql php)

```
root@debian:/home/user1# apt install apache2 mariadb-server php -y
Lecture des listes de paquets... Fait
Construction de l'arbre des dépendances... Fait
Lecture des informations d'état... Fait
Les paquets supplémentaires suivants seront installés :
  apache2-data apache2-utils galera-4 gawk libapache2-mod-php8.2
  libcgi-fast-perl libcgi-pm-perl libconfig-inifiles-perl libdaxctl1
4 apt install -y libapache2-mod-perl2
5 apt install -y libxml-simple-perl
6 apt install -y libnet-ip-perl
7 apt install -y libsoap-lite-perl
8 apt install -y libapache2-mod-perl2-dev
9 apt install -y libapache2-mod-perl2-dev
10 apt install -y make
11 apt install -y php-mysql
12 apt install -y php-gd
13 apt install -y php-mbstring
14 apt install -y php-soap
15 apt install -y php-xml
16 apt install -y php-curl

root@debian:/home/user1# perl -MCPAN -e "install XML::Entities"

CPAN.pm requires configuration, but most of it can be done automatically.
If you answer 'no' below, you will enter an interactive dialog for each
configuration option instead.

Would you like to configure as much as possible automatically? [yes] yes

We initialized your 'urllist' to https://cpan.org/. Type 'o conf init urllist' t
o change it.

Autoconfiguration complete.

root@debian:/home/user1# cpan Apache2::SOAP
Loading internal logger. Log::Log4perl recommended for better logging
Reading '/root/.cpan/Metadata'
  Database was generated on Mon, 25 Nov 2024 15:17:01 GMT
Running install for module 'Apache2::SOAP'
root@debian:/home/user1# cpan SOAP::Lite
Loading internal logger. Log::Log4perl recommended for better logging
Reading '/root/.cpan/Metadata'
  Database was generated on Mon, 25 Nov 2024 15:17:01 GMT
root@debian:/home/user1# cpan Mojolicious::Lite
Loading internal logger. Log::Log4perl recommended for better logging
Reading '/root/.cpan/Metadata'
  Database was generated on Mon, 25 Nov 2024 15:17:01 GMT
```

```
root@debian:/home/user1# cpan Switch
Loading internal logger. Log::Log4perl recommended for better logging
Reading '/root/.cpan/Metadata'
Database was generated on Mon, 25 Nov 2024 15:17:01 GMT
root@debian:/home/user1# apt install wget
Lecture des listes de paquets... Fait
Construction de l'arbre des dépendances... Fait
Lecture des informations d'état... Fait
```

```
root@debian:/var/www/html# ls -l
total 57724
drwxr-xr-x 22 www-data www-data      4096 14 sept.  2022 glpi
-rw-r--r--  1 root      root        59087820 25 nov.  17:53 glpi-10.0.3.tgz
-rw-r--r--  1 root      root         10701 25 nov.  16:08 index.html
```

installer ssl

```
124 apt install curl
125 exit
126 apt install openssl
127 systemctl status openssl
128 systemctl status ssl
129 sudo a2enmod ssl
130 systemctl status ssl
131 systemctl restart apache2
132 history
```

assigner le bon site pour passer en https

```
cd sites-enabled/
ls
sudo a2ensite default-ssl.conf
```

