



Serveur Web - Installation/Configuration Apache2 sous Debian 12

NAOUEAL

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1. Installation d'Apache2 :

Dans un premier temps, il est recommandé de **mettre à jour** le système :

```
apt update && apt upgrade -y
```

Ensuite, on installe **Apache2** :

```
apt install apache2
```

Et enfin on **Démarre** et on **Active** le service **Apache2**:

```
systemctl start apache2
```

```
systemctl enable apache2
```

On peut vérifier que le service est **actif** :

```
systemctl status apache2
```

Résultat :

```
root@Web1:~# systemctl status apache2
* apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Tue 2026-03-17 08:08:38 UTC; 2h 8min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 135 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
  Main PID: 252 (apache2)
    Tasks: 55 (limit: 618002)
   Memory: 9.2M
      CPU: 334ms
   CGroup: /system.slice/apache2.service
           |-252 /usr/sbin/apache2 -k start
           |-253 /usr/sbin/apache2 -k start
           `--254 /usr/sbin/apache2 -k start

Mar 17 08:08:32 Web1 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 17 08:08:38 Web1 systemd[1]: Started apache2.service - The Apache HTTP Server.
```

2. Configuration d'un site Web :

Chaque site web sur **Apache2** est configuré via un fichier **.conf** situé dans **/etc/apache2/sites-available/**, par exemple **serverweb.conf** :

```
<IfModule mod_ssl.c>
<VirtualHost *:443>
    ServerName serverweb.com
    ServerAlias www.serverweb.com
    DocumentRoot /var/www/serverweb

    <Directory /var/www/serverweb>
        AllowOverride All
    </Directory>

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

    # Certificats SSL (HTTPS)
    Include /etc/letsencrypt/options-ssl-apache.conf
    SSLCertificateFile /chemin/fullchain.pem
    SSLCertificateKeyFile /chemin/privkey.pem
</VirtualHost>
</IfModule>
```

Il faut maintenant **Activer le site** avec la commande suivante :

```
a2ensite serverweb
```

On redémarre **Apache** pour appliquer les changements :

```
systemctl restart apache2
```

3. Phase de TEST

Sur le port 80 :

Depuis le navigateur : <http://serverweb.com>

On devrait voir soit la **page Apache par défaut**, soit ton contenu si **DocumentRoot** contient des fichiers.



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.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.