

rcp@ubuntu: ~

```
rcp@ubuntu:~$ sudo apt update
Hit:1 http://security.ubuntu.com/ubuntu xenial-security InRelease
Hit:2 http://us.archive.ubuntu.com/ubuntu xenial InRelease
Hit:3 http://us.archive.ubuntu.com/ubuntu xenial-updates InRelease
Hit:4 http://us.archive.ubuntu.com/ubuntu xenial-backports InRelease
```

```
rcp@ubuntu:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.1-0
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.1-0
0 upgraded, 9 newly installed, 0 to remove and 738 not upgraded.
Need to get 1,636 kB of archives.
After this operation, 6,287 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
```


```
rcp@ubuntu:~$ apache2 -version
Server version: Apache/2.4.18 (Ubuntu)
Server built: 2020-08-12T21:35:50
rcp@ubuntu:~$ sudo ufw app list
Available applications:
  Apache
  Apache Full
  Apache Secure
  CUPS
  Samba
rcp@ubuntu:~$ sudo ufw allow 'Apache'
Rules updated
Rules updated (v6)
rcp@ubuntu:~$ sudo ufw status
Status: inactive
rcp@ubuntu:~$ sudo systemctl status apache2
● apache2.service - LSB: Apache2 web server
   Loaded: loaded (/etc/init.d/apache2; bad; vendor preset: enabled)
   Drop-In: /lib/systemd/system/apache2.service.d
            └─apache2-systemd.conf
   Active: active (running) since Wed 2022-11-30 23:48:13 PST; 56s ago
     Docs: man:systemd-sysv-generator(8)
    CGroup: /system.slice/apache2.service
            └─3914 /usr/sbin/apache2 -k start
               3915 /usr/sbin/apache2 -k start
               3916 /usr/sbin/apache2 -k start

Nov 30 23:48:13 ubuntu systemd[1]: Starting LSB: Apache2 web server...
Nov 30 23:48:13 ubuntu apache2[3891]: * Starting Apache httpd web server apache2
Nov 30 23:48:13 ubuntu apache2[3891]: AH00558: apache2: Could not reliably determine the server's full
Nov 30 23:48:13 ubuntu apache2[3891]: *
Nov 30 23:48:13 ubuntu systemd[1]: Started LSB: Apache2 web server.
lines 1-16/16 (END)
```


```
rcp@ubuntu:~$ hostname -I
192.168.196.131
```

Apache2 Ubuntu Default Page

Not secure | 192.168.196.131



Apache2 Ubuntu Default Page



It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. 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


Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu 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 Ubuntu 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.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2dissite`, and `a2enconf`, `a2disconf`. See their respective man pages for detailed information.
- The binary is called `apache2`. Due to the use of environment variables, in the default configuration, `apache2` needs to be started/stopped with `/etc/init.d/apache2` or `apache2ctl`. **Calling `/usr/bin/apache2` directly will not work** with the default configuration.

23°C sunny



ENG IN 13:30 01-12-2022