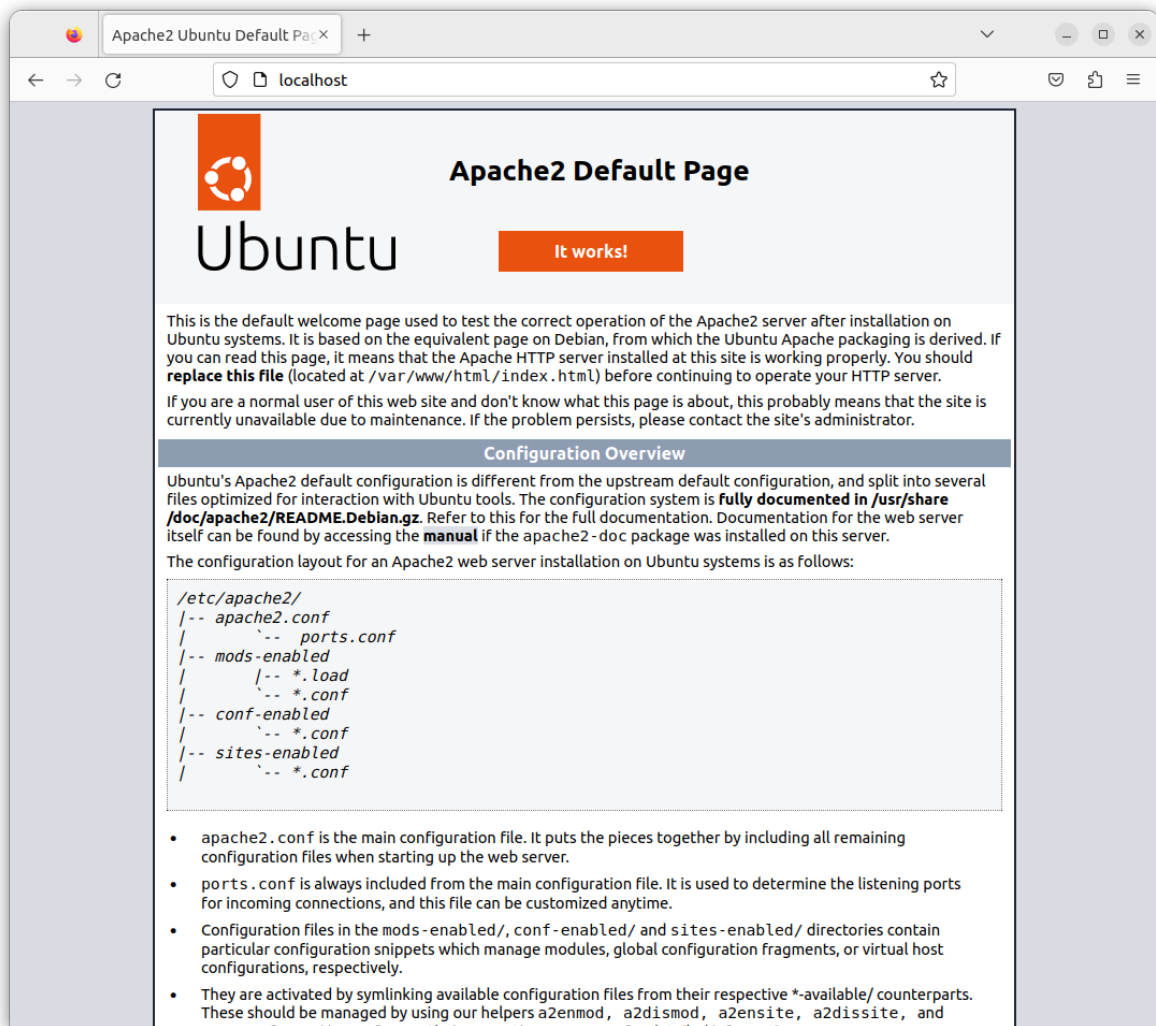


```
himanshu@himanshu-Inspiron-15-3511: ~  
To Action From  
-- -- --  
Apache ALLOW Anywhere  
Apache (v6) ALLOW Anywhere (v6)  
  
himanshu@himanshu-Inspiron-15-3511:~$ sudo systemctl status apache2  
● apache2.service - The Apache HTTP Server  
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor prese  
   Active: active (running) since Thu 2023-01-19 14:29:23 IST; 1h 0min ago  
     Docs: https://httpd.apache.org/docs/2.4/  
  Process: 660 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUC  
 Main PID: 709 (apache2)  
    Tasks: 55 (limit: 9150)  
   Memory: 8.3M  
      CPU: 180ms  
   CGroup: /system.slice/apache2.service  
           └─709 /usr/sbin/apache2 -k start  
             └─710 /usr/sbin/apache2 -k start  
               └─711 /usr/sbin/apache2 -k start  
  
Jan 19 14:29:23 himanshu-Inspiron-15-3511 systemd[1]: Starting The Apache HTTP >  
Jan 19 14:29:23 himanshu-Inspiron-15-3511 apachectl[688]: AH00558: apache2: Cou>  
Jan 19 14:29:23 himanshu-Inspiron-15-3511 systemd[1]: Started The Apache HTTP S>  
lines 1-17/17 (END)
```






```
himanshu@himanshu-Inspiron-15-3511: ~  
route RULE add route RULE  
route delete RULE|NUM delete route RULE  
route insert NUM RULE insert route RULE at NUM  
reload reload firewall  
reset reset firewall  
status show firewall status  
status numbered show firewall status as numbered list of RULES  
status verbose show verbose firewall status  
show ARG show firewall report  
version display version information  
  
Application profile commands:  
app list list application profiles  
app info PROFILE show information on PROFILE  
app update PROFILE update PROFILE  
app default ARG set default application policy  
  
himanshu@himanshu-Inspiron-15-3511:~$ sudo ufw app list  
Available applications:  
  Apache  
  Apache Full  
  Apache Secure  
  CUPS  
himanshu@himanshu-Inspiron-15-3511:~$
```

```
root@himanshu-Inspiron-15-3511: /home/himanshu
himanshu@himanshu-Inspiron-15-3511:~$ sudo -s
[sudo] password for himanshu:
root@himanshu-Inspiron-15-3511:/home/himanshu# apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.2).
The following packages were automatically installed and are no longer required:
  libflashrom1 libftdi1-2
Use 'apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.
root@himanshu-Inspiron-15-3511:/home/himanshu#
```

```
root@himanshu-Inspiron-15-3511: /home/himanshu
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-Subuntu4) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../3-libaprutil1-ldap_1.6.1-Subuntu4_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.1-Subuntu4) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../4-apache2-bin_2.4.52-1ubuntu4.2_amd64.deb ...
Unpacking apache2-bin (2.4.52-1ubuntu4.2) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../5-apache2-data_2.4.52-1ubuntu4.2_all.deb ...
Unpacking apache2-data (2.4.52-1ubuntu4.2) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../6-apache2-utils_2.4.52-1ubuntu4.2_amd64.deb ...
Unpacking apache2-utils (2.4.52-1ubuntu4.2) ...
Selecting previously unselected package apache2.
Preparing to unpack .../7-apache2_2.4.52-1ubuntu4.2_amd64.deb ...
Unpacking apache2 (2.4.52-1ubuntu4.2) ...
Setting up libapr:amd64 (1.7.0-8build1) ...
Setting up apache2-data (2.4.52-1ubuntu4.2) ...
Setting up libaprutil1:amd64 (1.6.1-Subuntu4) ...
Setting up libaprutil1-ldap:amd64 (1.6.1-Subuntu4) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-Subuntu4) ...
Setting up apache2-utils (2.4.52-1ubuntu4.2) ...
Setting up apache2-bin (2.4.52-1ubuntu4.2) ...
Setting up apache2 (2.4.52-1ubuntu4.2) ...
Enabling module mpm_event.
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module auth_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module ssl.
Enabling module http2.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36.1-4ubuntu1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
root@himanshu-Inspiron-15-3511:/home/himanshu#
```








```
1 # This is the main Apache server configuration file. It contains the
2 # configuration directives that give the server its instructions.
3 # See http://httpd.apache.org/docs/2.4/ for detailed information about
4 # the directives and /usr/share/doc/apache2/README.Debian about Debian specific
5 # hints.
6 #
7 #
8 # Summary of how the Apache 2 configuration works in Debian:
9 # The Apache 2 web server configuration in Debian is quite different to
10 # upstream's suggested way to configure the web server. This is because Debian's
11 # default Apache2 installation attempts to make adding and removing modules,
12 # virtual hosts, and extra configuration directives as flexible as possible, in
13 # order to make automating the changes and administering the server as easy as
14 # possible.
15 #
16 # It is split into several files forming the configuration hierarchy outlined
17 # below, all located in the /etc/apache2/ directory:
18 #
19 # /etc/apache2/
20 # |-- apache2.conf
21 # |   |-- ports.conf
22 # |-- mods-enabled
23 # |   |-- *.load
24 # |   |-- *.conf
25 # |-- conf-enabled
26 # |   |-- *.conf
27 # |-- sites-enabled
28 # |   |-- *.conf
29 #
30 #
31 # * apache2.conf is the main configuration file (this file). It puts the pieces
32 # together by including all remaining configuration files when starting up the
33 # web server.
34 #
35 # * ports.conf is always included from the main configuration file. It is
36 # supposed to determine listening ports for incoming connections which can be
37 # customized anytime.
38 #
39 # * Configuration files in the mods-enabled/, conf-enabled/ and sites-enabled/
40 # directories contain particular configuration snippets which manage modules,
41 # global configuration fragments, or virtual host configurations,
42 # respectively.
43 #
44 # They are activated by symlinking available configuration files from their
45 # respective *-available/ counterparts. These should be managed by using our
46 # helpers a2enmod, a2dismod, a2ensite/a2dissite and a2enconf/a2disconf. See
47 # their respective man pages for detailed information.
48 #
49 # * The binary is called apache2. Due to the use of environment variables, in
50 # the default configuration, apache2 needs to be started/stopped with
51 # /etc/init.d/apache2 or apache2ctl. Calling /usr/bin/apache2 directly will not
52 # work with the default configuration.
53
54
```

Open ▾  apache2.conf [Read-Only] Save    

```
108 # KeepAliveTimeout: Number of seconds to wait for the next request from the
109 # same client on the same connection.
110 #
111 KeepAliveTimeout 5
112
113
114 # These need to be set in /etc/apache2/envvars
115 User ${APACHE_RUN_USER}
116 Group ${APACHE_RUN_GROUP}
117
118 #
119 # HostnameLookups: Log the names of clients or just their IP addresses
120 # e.g., www.apache.org (on) or 204.62.129.132 (off).
121 # The default is off because it'd be overall better for the net if people
122 # had to knowingly turn this feature on, since enabling it means that
123 # each client request will result in AT LEAST one lookup request to the
124 # nameserver.
125 #
126 HostnameLookups Off
127
128 # ErrorLog: The location of the error log file.
129 # If you do not specify an ErrorLog directive within a <VirtualHost>
130 # container, error messages relating to that virtual host will be
131 # logged here. If you *do* define an error logfile for a <VirtualHost>
132 # container, that host's errors will be logged there and not here.
133 #
134 ErrorLog ${APACHE_LOG_DIR}/error.log
135
136 #
137 # LogLevel: Control the severity of messages logged to the error_log.
138 # Available values: trace8, ..., trace1, debug, info, notice, warn,
139 # error, crit, alert, emerg.
140 # It is also possible to configure the log level for particular modules, e.g.
141 # "LogLevel info ssl:warn"
142 #
143 LogLevel warn
144
145 # Include module configuration:
146 IncludeOptional mods-enabled/*.load
147 IncludeOptional mods-enabled/*.conf
148
149 # Include list of ports to listen on
150 Include ports.conf
151
152
153 # Sets the default security model of the Apache2 HTTPD server. It does
154 # not allow access to the root filesystem outside of /usr/share and /var/www.
155 # The former is used by web applications packaged in Debian,
156 # the latter may be used for local directories served by the web server. If
157 # your system is serving content from a sub-directory in /srv you must allow
158 # access here, or in any related virtual host.
159 <Directory />
160     Options FollowSymLinks
161     AllowOverride None
```

Plain Text ▾ Tab Width: 4 ▾ Ln 110, Col 2 ▾ INS

Open ▾  apache2.conf [Read-Only] Save    

```
174 </Directory>
175
176 <Directory /srv/>
177     Options Indexes FollowSymLinks
178     AllowOverride None
179     Require all granted
180 </Directory>
181
182
183
184
185 # AccessFileName: The name of the file to look for in each directory
186 # for additional configuration directives. See also the AllowOverride
187 # directive.
188 #
189 AccessFileName .htaccess
190
191 #
192 # The following lines prevent .htaccess and .htpasswd files from being
193 # viewed by Web clients.
194 #
195 <FilesMatch "\.ht">
196     Require all denied
197 </FilesMatch>
198
199
200 #
201 # The following directives define some format nicknames for use with
202 # a CustomLog directive.
203 #
204 # These deviate from the Common Log Format definitions in that they use %O
205 # (the actual bytes sent including headers) instead of %b (the size of the
206 # requested file), because the latter makes it impossible to detect partial
207 # requests.
208 #
209 # Note that the use of %[X-Forwarded-For] instead of %h is not recommended.
210 # Use mod_remoteip instead.
211 #
212 LogFormat "%v:%p %h %l %u %t \"%r\" %s %O \"%{Referer}l\" \"%{User-Agent}l\"" vhost_combined
213 LogFormat "%h %l %u %t \"%r\" %s %O \"%{Referer}l\" \"%{User-Agent}l\"" combined
214 LogFormat "%h %l %u %t \"%r\" %s %O" common
215 LogFormat "%{Referer}l -> %U" referer
216 LogFormat "%{User-agent}l" agent
217
218 # Include of directories ignores editors' and dpkg's backup files,
219 # see README.Debian for details.
220
221 # Include generic snippets of statements
222 IncludeOptional conf-enabled/*.conf
223
224 # Include the virtual host configurations:
225 IncludeOptional sites-enabled/*.conf
226
227 # vln: syntax=apache ts=4 sw=4 sts=4 sr noet
```

Plain Text ▾ Tab Width: 4 ▾ Ln 227, Col 45 ▾ INS

Open ▾

apache2.conf [Read-Only]
/etc/apache2

Save

≡

⌕

✕

```
1 # This is the main Apache server configuration file. It contains the
2 # configuration directives that give the server its instructions.
3 # See http://httpd.apache.org/docs/2.4/ for detailed information about
4 # the directives and /usr/share/doc/apache2/README.Debian about Debian specific
5 # hints.
6 #
7 #
8 # Summary of how the Apache 2 configuration works in Debian:
9 # The Apache 2 web server configuration in Debian is quite different to
10 # upstream's suggested way to configure the web server. This is because Debian's
11 # default Apache2 installation attempts to make adding and removing modules,
12 # virtual hosts, and extra configuration directives as flexible as possible, in
13 # order to make automating the changes and administering the server as easy as
14 # possible.
15 #
16 # It is split into several files forming the configuration hierarchy outlined
17 # below, all located in the /etc/apache2/ directory:
18 #
19 # /etc/apache2/
20 # |-- apache2.conf
21 # |   |-- ports.conf
22 # |-- mods-enabled
23 # |   |-- *.load
24 # |   |-- *.conf
25 # |-- conf-enabled
26 # |   |-- *.conf
27 # |-- sites-enabled
28 #     |-- *.conf
29 #
30 #
31 # * apache2.conf is the main configuration file (this file). It puts the pieces
32 # together by including all remaining configuration files when starting up the
33 # web server.
34 #
35 # * ports.conf is always included from the main configuration file. It is
36 # supposed to determine listening ports for incoming connections which can be
37 # customized anytime.
38 #
39 # * Configuration files in the mods-enabled/, conf-enabled/ and sites-enabled/
40 # directories contain particular configuration snippets which manage modules,
41 # global configuration fragments, or virtual host configurations,
42 # respectively.
43 #
44 # They are activated by symlinking available configuration files from their
45 # respective *.available/ counterparts. These should be managed by using our
46 # helpers a2enmod/a2dismod, a2ensite/a2dissite and a2enconf/a2disconf. See
47 # their respective man pages for detailed information.
48 #
49 # * The binary is called apache2. Due to the use of environment variables, in
50 # the default configuration, apache2 needs to be started/stopped with
51 # /etc/init.d/apache2 or apache2ctl. Calling /usr/bin/apache2 directly will not
52 # work with the default configuration.
53 #
54
```

Plain Text ▾ Tab Width: 4 ▾ Ln 4, Col 12 ▾ INS

Open ↕ apache2.conf [Read-Only] /etc/apache2 Save ≡ ⌵ ⌶ ⌷

```
108 # KeepAliveTimeout: Number of seconds to wait for the next request from the
109 # same client on the same connection.
110 #
111 KeepAliveTimeout 5
112
113
114 # These need to be set in /etc/apache2/envvars
115 User ${APACHE_RUN_USER}
116 Group ${APACHE_RUN_GROUP}
117
118 #
119 # HostnameLookups: Log the names of clients or just their IP addresses
120 # e.g., www.apache.org (on) or 204.62.129.132 (off).
121 # The default is off because it'd be overall better for the net if people
122 # had to knowingly turn this feature on, since enabling it means that
123 # each client request will result in AT LEAST one lookup request to the
124 # nameserver.
125 #
126 HostnameLookups Off
127
128 # ErrorLog: The location of the error log file.
129 # If you do not specify an ErrorLog directive within a <VirtualHost>
130 # container, error messages relating to that virtual host will be
131 # logged here. If you *do* define an error logfile for a <VirtualHost>
132 # container, that host's errors will be logged there and not here.
133 #
134 ErrorLog ${APACHE_LOG_DIR}/error.log
135
136 #
137 # LogLevel: Control the severity of messages logged to the error_log.
138 # Available values: trace8, ..., trace1, debug, info, notice, warn,
139 # error, crit, alert, emerg.
140 # It is also possible to configure the log level for particular modules, e.g.
141 # "LogLevel info ssl:warn"
142 #
143 LogLevel warn
144
145 # Include module configuration:
146 IncludeOptional mods-enabled/*.load
147 IncludeOptional mods-enabled/*.conf
148
149 # Include list of ports to listen on
150 Include ports.conf
151
152
153 # Sets the default security model of the Apache2 HTTPD server. It does
154 # not allow access to the root filesystem outside of /usr/share and /var/www.
155 # The former is used by web applications packaged in Debian,
156 # the latter may be used for local directories served by the web server. If
157 # your system is serving content from a sub-directory in /srv you must allow
158 # access here, or in any related virtual host.
159 <Directory />
160     Options FollowSymLinks
161     AllowOverride None
```

Plain Text ▾ Tab Width: 4 ▾ Ln 110, Col 2 ▾ INS

Open ↕ apache2.conf [Read-Only] /etc/apache2 Save ≡ ⌵ ⌶ ⌷

```
174 </Directory>
175
176 <Directory /srv/>
177     Options Indexes FollowSymLinks
178     AllowOverride None
179     Require all granted
180 </Directory>
181
182
183
184
185 # AccessFileName: The name of the file to look for in each directory
186 # for additional configuration directives. See also the AllowOverride
187 # directive.
188 #
189 AccessFileName .htaccess
190
191 #
192 # The following lines prevent .htaccess and .htpasswd files from being
193 # viewed by Web clients.
194 #
195 <FilesMatch "\.ht">
196     Require all denied
197 </FilesMatch>
198
199
200 #
201 # The following directives define some format nicknames for use with
202 # a CustomLog directive.
203 #
204 # These deviate from the Common Log Format definitions in that they use %O
205 # (the actual bytes sent including headers) instead of %b (the size of the
206 # requested file), because the latter makes it impossible to detect partial
207 # requests.
208 #
209 # Note that the use of %[X-Forwarded-For] instead of %h is not recommended.
210 # Use mod_remoteip instead.
211 #
212 LogFormat "%v:%p %h %l %u %t \"%r\" %> %O \"%{Referer}l\" \"%{User-Agent}l\"" vhost_combined
213 LogFormat "%h %l %u %t \"%r\" %> %O \"%{Referer}l\" \"%{User-Agent}l\"" combined
214 LogFormat "%h %l %u %t \"%r\" %> %O" common
215 LogFormat "%{Referer}l -> %U" referer
216 LogFormat "%{User-agent}l" agent
217
218 # Include of directories ignores editors' and dpkg's backup files,
219 # see README.Debian for details.
220
221 # Include generic snippets of statements
222 IncludeOptional conf-enabled/*.conf
223
224 # Include the virtual host configurations:
225 IncludeOptional sites-enabled/*.conf
226
227 # vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

Plain Text ▾ Tab Width: 4 ▾ Ln 227, Col 45 ▾ INS