

**NAME**

apache2 – Apache Hypertext Transfer Protocol Server

**SYNOPSIS**

```
apache2 [ -d serverroot ] [ -f config ] [ -C directive ] [ -c directive ] [ -D parameter ] [ -e level ] [ -E file ] [ -k start|restart|graceful|stop|graceful-stop ] [ -R directory ] [ -h ] [ -l ] [ -L ] [ -S ] [ -t ] [ -v ] [ -V ] [ -X ] [ -M ]
```

**SUMMARY**

apache2 is the Apache HyperText Transfer Protocol (HTTP) server program. It is designed to be run as a standalone daemon process. When used like this it will create a pool of child processes or threads to handle requests.

In general, apache2 should not be invoked directly, but rather should be invoked via /etc/init.d/apache2 or apache2ctl. The default Debian configuration requires environment variables that are defined in /etc/apache2/envvars and are not available if apache2 is started directly. However, apache2ctl can be used to pass arbitrary arguments to apache2.

**DOCUMENTATION**

The full documentation is available in the apache2-doc package or at <http://httpd.apache.org/docs/2.2/>. Information about Debian specific changes and configuration can be found in /usr/share/doc/apache2/README.Debian.gz.

**OPTIONS**

**-d** *serverroot*

Set the initial value for the ServerRoot directive to *serverroot*. This can be overridden by the ServerRoot directive in the configuration file.

**-f** *config*

Uses the directives in the file *config* on startup. If *config* does not begin with a /, then it is taken to be a path relative to the ServerRoot. The default is /etc/apache2/apache2.conf.

**-k** *start|restart|graceful|stop|graceful-stop*

Signals apache2 to start, restart, or stop. See Stopping Apache for more information.

**-C** *directive*

Process the configuration *directive* before reading config files.

**-c** *directive*

Process the configuration *directive* after reading config files.

**-D** *parameter*

Sets a configuration *parameter* which can be used with <IfDefine> sections in the configuration files to conditionally skip or process commands at server startup and restart.

**-e** *level* Sets the LogLevel to *level* during server startup. This is useful for temporarily increasing the verbosity of the error messages to find problems during startup.

**-E** *file* Send error messages during server startup to *file*.

**-R** *directory*

When the server is compiled using the SHARED\_CORE rule, this specifies the *directory* for the shared object files.

**-h** Output a short summary of available command line options.

**-l** Output a list of modules compiled into the server. This will **not** list dynamically loaded modules included using the LoadModule directive.

**-L** Output a list of directives together with expected arguments and places where the directive is valid.

**-M** Dump a list of loaded Static and Shared Modules.

**-S** Show the settings as parsed from the config file (currently only shows the virtualhost settings).

- t Run syntax tests for configuration files only. The program immediately exits after these syntax parsing tests with either a return code of 0 (Syntax OK) or return code not equal to 0 (Syntax Error). If `-D DUMP_VHOSTS` is also set, details of the virtual host configuration will be printed. If `-D DUMP_MODULES` is set, all loaded modules will be printed.
- v Print the version of apache2, and then exit.
- V Print the version and build parameters of apache2, and then exit.
- X Run apache2 in debug mode. Only one worker will be started and the server will not detach from the console.

**SEE ALSO**

**apache2ctl(8), /usr/share/doc/apache2/README.Debian.gz**