

**NAME**

httpd - Apache Hypertext Transfer Protocol Server

**SYNOPSIS**

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

On Windows systems, the following additional arguments are available:

**httpd** [ **-k** *install|config|uninstall* ] [ **-n** *name* ] [ **-w** ]

**SUMMARY**

**httpd** 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, **httpd** should not be invoked directly, but rather should be invoked via `apachectl` on Unix-based systems or as a service on Windows NT, 2000 and XP and as a console application on Windows 9x and ME.

**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. The default is `/usr/local/apache2`.

**-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 `conf/httpd.conf`.

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

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

**-C directive**

Process the configuration *directive* before reading config files.

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**-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. Also can be used to set certain less-common startup parameters including **-DNO\_DETACH** (prevent the parent from forking) and **-DFOREGROUND** (prevent the parent from calling **setsid()** et al).

**-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*.

**-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 provided by static modules, together with expected arguments and places where the directive is valid. Directives provided by shared modules are not listed.**-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** (Available in 2.3.8 and later)

Skip document root check at startup/restart.

**-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 **httpd**, and then exit.

- V Print the version and build parameters of **httpd**, and then exit.
- X Run httpd in debug mode. Only one worker will be started and the server will not detach from the console.

The following arguments are available only on the Windows platform:

**-k install|config|uninstall**

Install Apache httpd as a Windows NT service; change startup options for the Apache httpd service; and uninstall the Apache httpd service.

**-n *name***

The *name* of the Apache httpd service to signal.

- w Keep the console window open on error so that the error message can be read.