httpd - Apache Hypertext Transfer Protocol Server

`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 [1] on Unix-based systems or as a service on Windows NT, 2000 and XP [2] and as a console application on Windows 9x and ME [3].

Topics

See also

- Starting Apache [4]
- Stopping Apache [5]
- Configuration Files [6]
- Platform-specific Documentation [7]
- apachectl [1]

Synopsis

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

On Windows systems [8], the following additional arguments are available:

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

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**
> Signals `httpd` to start, restart, or stop. See Stopping Apache [5] 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

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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.

-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 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.

-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[8]:

-k install|config|uninstall
Install Apache as a Windows NT service; change startup options for the Apache service; and uninstall the Apache service.

-n *name*
The *name* of the Apache service to signal.

-w

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

URI References

[1] http://httpd.apache.org/docs-2.1/programs/apachectl.html

[2] http://httpd.apache.org/docs-2.1/platform/windows.html#winsvc

[3] http://httpd.apache.org/docs-2.1/platform/windows.html#wincons

[4] http://httpd.apache.org/docs-2.1/invoking.html

[5] http://httpd.apache.org/docs-2.1/stopping.html

[6] http://httpd.apache.org/docs-2.1/configuring.html

[7] http://httpd.apache.org/docs-2.1/platform/

[8] http://httpd.apache.org/docs-2.1/platform/windows.html