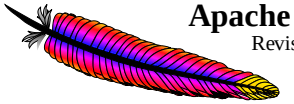

Apache Quick Reference Card

Revision 1.6 for Apache version 1.3.6

Andrew Ford **refcards.com**™

This card summarizes information in the Apache documentation, which can be found at `http://www.apache.org/docs/`.
Each directive is listed with its arguments. Defaults are given where appropriate in parentheses at the end of the line, followed by an indication of the status of the directive (C – core, B – base, E – extension) and the contexts in which the directive is valid (c – in a configuration file, v – within a virtual host section, d – within a directory section, a – in an access control file).
Options and directives that are new for Apache 1.3 are marked 1.3, while those that have changed are marked CHG.

Command line options

`httpd [-d directory] [-f file] [-C directive] [-c directive] [-L] [-l] [-S] [-v] [-V] [-X]`

`-d directory`	initial value for `ServerRoot`
`-D parameter`	define parameter for `<IfDefine>`
`-f file`	configuration file (`conf/httpd.conf`)
`-C directive`	process *directive* before reading config files 1.3
`-c directive`	process *directive* after reading config files 1.3
`-L`	list available configuration directives and exit CHG
`-l`	list compiled-in modules and exit CHG
`-S`	show *vhost* settings
`-t`	test syntax of configuration files and exit
`-v`	print version and build date, and exit
`-V`	show compilation settings and exit 1.3
`-X`	single-processs debug mode

General configuration directives

`DocumentRoot directory`	(/usr/local/apache/htdocs)	C	cv
`ServerRoot directory`	(/usr/local/apache)	C	c
`AccessConfig filename`	(conf/access.conf)	C	cv
`ResourceConfig filename`	(conf/srm.conf)	C	cv
`Include filename`		C	cvd 1.3
`TypesConfig filename`	(conf/mime.types)	B	c
`PidFile filename`	(logs/httpd.pid)	C	c
`LockFile filename`	(logs/accept.lock)	C	c
`ScoreBoardFile file`	(logs/apache_status)	C	c
`ServerAdmin email-addr`		C	cv
`ServerType {inetd|standalone}`	(standalone)	C	c
`ServerName name`	(*determined automatically*)	C	cv
`ServerAlias fqdn ...`		C	v
`ServerSignature {On|Off|Email}`	(Off)	C	cvda 1.3
`ServerPath pathname`		C	v
`ServerTokens {Min[imal]|OS|Full}`	(Full)	C	c 1.3
`BindAddress {*|IP-addr|fqdn}`	(*)	C	c
`Listen [IP-addr:]port-number`		C	c
`Port portno`	(80)	C	c
`User {username|#userid}`	(#-1)	C	cv
`Group {group-name|#group-id}`	(#-1)	C	cv
`NameVirtualHost addr[:port]`		C	c 1.3
`UseCanonicalName {On|Off}`	(On)	C	cvda 1.3
`CoreDumpDirectory directory`	(*as ServerRoot*)	C	c 1.3
`IdentityCheck {On|Off}`	(Off)	C	cvd

`ClearModuleList`		C	c
`AddModule module ...`		C	c
`AddModuleInfo module text`		E	cv 1.3
`ExtendedStatus {On|Off}`	(Off)	E	c 1.3

Sectional directives

`<Directory {pattern | ~ regex} > ... </Directory>`		C	cv CHG
`<DirectoryMatch regex> ... </DirectoryMatch>`		C	cv 1.3
`<Files {pattern|~ regex} > ... </Files>`		C	cvda CHG
`<FilesMatch regex> ... </FilesMatch>`		C	cvda 1.3
`<Location {pattern|~ regex} > ... </Location>`		C	cv CHG
`<LocationMatch regex> ... </LocationMatch>`		C	cv 1.3
`<VirtualHost pattern> ... </VirtualHost>`		C	c
`<IfDefine [!]parameter> ... </IfDefine>`		C	cvda 1.3
`<IfModule [!]module> ... </IfModule>`		C	cvda
`<Limit method> ... </Limit>`		C	cvda
`<LimitExcept method> ... </LimitExcept>`		C	cvda

Logging directives

`ErrorLog {file|syslog[:facility]}`	(logs/error_log)	C	cv CHG
`CustomLog file-or-pipe {format-string|format-name} [env=[!]var]`		B	cv CHG
`TransferLog file-or-pipe`	(logs/access_log)	B	cv
`HostnameLookups {On|Off|Double}`	(Off)	C	cvd CHG
`RefererIgnore hostname ...`		E	cv
`LogFormat format-string [format-name]`	("%h %l %u %t \"%r\" %s %b")	B	cv CHG
`LogLevel {emerg|alert|crit|error|warn|notice|info|debug}`	(error)	C	cv 1.3

format-string can contain literal text and format specifiers:

`%a`	Remote IP address
`%b`	Number of bytes sent (excluding headers)
`%{var}e`	Environment variable value
`%f`	Filename
`%h`	Remote host
`%{hdr}i`	Incoming header value
`%l`	Remote logname (from `identd`)
`%{label}n`	Labelled note from another module 1.3
`%{hdr}o`	Outgoing header value
`%p`	Canonical port number of server
`%P`	Process ID of child server process
`%r`	First line of request
`%s`	Status
`%t`	Time in Common Log Format (CLF) format
`%{format}t`	Time (*format* is `strftime` format)
`%T`	Time taken to serve the request (in seconds)
`%u`	Remote username
`%U`	URL requested
`%v`	Canonical `ServerName` of server
`%V`	Server name as per `UseCanonicalName` setting CHG

Performance tuning directives

`Timeout secs`	(300)	C	c
`KeepAlive {On|Off}`	(On)	C	c
`KeepAliveTimeout seconds`	(15)	C	c
`MaxKeepAliveRequests number`	(100)	C	c
`MaxClients number`	(256)	C	c
`MaxRequestsPerChild number`		C	c
`ExcessRequestsPerChild number`		E	c 1.3
`MaxSpareServers number`	(10)	C	c

`MinSpareServers number`	(5)	C	c
`StartServers number`	(5)	C	c
`ListenBacklog number`	(511)	C	c 1.3
`LimitRequestBody nbytes`		C	cvda 1.3
`LimitRequestFields number`	(100)	C	c 1.3
`LimitRequestFieldSize nbytes`	(8190)	C	c 1.3
`LimitRequestLine nbytes`	(8190)	C	c 1.3
`SendBufferSize bytes`		C	c
`RLimitCPU {secs|max} [{secs|max}]`		C	cvda
`RLimitMEM {bytes|max} [{bytes|max}]`		C	cvda
`RLimitNPROC {nprocs|max} [{nprocs|max}]`		C	cvda
`ThreadsPerChild number`	(50)	C	c 1.3

File typing directives

`DefaultType MIME-type`	(text/html)	C	cvda
`ForceType MIME-type`		B	da
`AddEncoding MIME-encoding extension ...`		B	cvda
`AddLanguage MIME-language extension ...`		B	cvda
`AddType MIME-type extension ...`		B	cvda
`DefaultLanguage MIME-language`	(no default language)	C	cvda 1.3
`LanguagePriority MIME-language ...`		B	cvda
`XBitHack {On|Off|Full}`	(Off)	B	cvda
`MetaFiles {On|Off}`	(Off)	E	cvda 1.3
`MetaDir dir-name`	(.web)	E	cvda CHG
`MetaSuffix suffix`	(.meta)	E	cvda CHG
`MimeMagicFile filename`		E	cv 1.3
`ContentDigest {On|Off}`	(Off)	C	cvda
`ExpiresActive {On|Off}`		E	cvda
`ExpiresBytype MIME-type expiry-code`		E	cvda
`ExpiresDefault expiry-code`		E	cvda
`Header {set|append|add|unset} header value`		E	cvda

Mapping directives

`Action {MIME-type|handler-name} script`		B	cvda
`Alias url-path real-path`		B	cv
`AliasMatch url-regex path-replacement`		B	cv 1.3
`ErrorDocument error-code {string|url}`		C	cvda
`UserDir {directory|DISABLED [user ...]|ENABLED user ...}`	(public_html)	B	cv CHG
`Redirect [status] url-path url`		B	cvda
`RedirectMatch [status] url-regex dest-url`		B	cv 1.3
`RedirectPermanent url-path url-dest`		B	cvda
`RedirectTemp url-path url-dest`		B	cvda
`Script method script`		B	cvd
`ScriptAlias url-path script-dir`		B	cv
`ScriptAliasMatch url-regex script-dir`		B	cv 1.3
`AddHandler handler-name extension ...`		B	cvda
`RemoveHandler extension ...`		B	da 1.3
`SetHandler handler-name`		B	da
`ImapBase {map|referer|url}`	(http://*server*)	B	cvda
`ImapDefault {error|nocontent|referer|menu|url}`	(nocontent)	B	cvda
`ImapMenu {none|formatted|semiformatted|unformatted}`		B	cvda
`RewriteBase url`		E	cvda
`RewriteCond test-string cond-pattern [flags]`		E	cvda
`RewriteEngine {On|Off}`	(Off)	E	cvda
`RewriteLock filename`		E	cv 1.3
`RewriteLog filename`		E	cv
`RewriteLogLevel digit`		E	cv

`RewriteMap` *map-name map-type*`:`*map-source* — E cv
`RewriteOptions` *option* — E cvda
`RewriteRule` *pattern substitution* [*flags*] — E cvda

Scripting directives

`BrowserMatch` *regexp var*[`=`*value*] `...` — B cv
`BrowserMatchNoCase` *regexp var*[`=`*value*] `...` — B cv
`PassEnv` *varname* `...` — B cv
`SetEnv` *varname value* — B cv
`SetEnvIf` *attribute regex var*[`=`*value*] `...` — B cv 1.3
`SetEnvIfNoCase` *attribute regex var*[`=`*value*] `...` — B cv 1.3
`UnsetEnv` *varname* `...` — B cv
`ScriptLog` *filename* — B c
`ScriptLogBuffer` *size-bytes* — (1024) B c
`ScriptLogLength` *length-bytes* — (10385760) B c

Directory indexing directives

`DirectoryIndex` *file* `...` — (index.html) B cvda
`ReadmeName` *filename* — B cvda
`HeaderName` *filename* — B cvda
`IndexIgnore` *pattern* `...` — B cvda
`IndexOrderDefault` {`Ascending`|`Descending`} {`Name`|`Date`|`Size`|`Description`} — B cvda 1.3
`DefaultIcon` *url* — B cvda
`AddAlt` *"string" file* `...` — B cvda
`AddAltByEncoding` *"string" MIME-encoding* `...` — B cvda
`AddAltByType` *"string" MIME-type* `...` — B cvda
`AddIcon` *icon file* `...` — B cvda
`AddIconByType` *icon MIME-type* `...` — B cvda
`AddIconByEncoding` *icon MIME-encoding* `...` — B cvda
`AddDescription` *"description" file-pattern* — B cvda
`IndexOptions` {*+option*|*-option*} `...` — (*no options*) B cvda

Valid index options are: `FancyIndexing`, `IconsHeight=`*pixels*, `IconsWidth=`*pixels*, `NameWidth=`*n*, `IconsAreLinks`, `ScanHTMLTitles`, `SupressColumnSorting`, `SupressDescription`, `SupressHTMLPreamble`, `SupressLastModified`, `SupressSize`

Access control directives

`AccessFileName` *filename* `...` — (`.htaccess`) C cv
`AllowOverride` *directive-group* `...` — (`All`) C d

Valid directive groups are: `None`, `All`, `AuthConfig`, `FileInfo`, `Indexes`, `Limit`, `Options`

`Options` {*+feature*|*-feature*} `...` — (`All`) C cvda

Valid options are: `None`, `All`, `ExecCGI`, `FollowSymLinks`, `Includes`, `IncludesNOEXEC`, `Indexes`, `MultiViews`, `SymLinksIfOwnerMatch`

`AuthName` *realm-name* — C da
`AuthType` *type* — C da
`AuthUserFile` *filename* — E da
`AuthGroupFile` *filename* — E da
`AuthAuthoritative` {`On`|`Off`} — (`On`) B da
`allow from` {`all`|*host* `...`|`env=`*var*} — B da
`deny from` {`all`|*host* `...`|`env=`*var*} — B da
`order` {`allow,deny`|`deny,allow`|`mutual-failure`} — (`deny,allow`) B da
`Require` {`user` *user* `...`|`group` *group* `...`|`valid-user`} — C da
`Satisfy` {`All`|`Any`} — (`All`) C da

Proxy/cache directives

`NoProxy` {*host*|*domain*|*ip-addr*|*subnet*} `...` — E cv 1.3
`AllowCONNECT` *port* `...` — (443 563) E cv 1.3
`ProxyBlock` {`*`|*host*|*domain*} `...` — E cv
`ProxyDomain` *domain-name* — E cv 1.3
`ProxyPass` *path url* — E cv
`ProxyPassReverse` *path url* — E cv 1.3
`ProxyReceiveBufferSize` *number-bytes* — E cv 1.3
`ProxyRemote` *match remote-server* — E cv
`ProxyRequests` {`On`|`Off`} — (`Off`) E cv
`ProxyVia` {`On`|`Off`|`Full`|`Block`} — (`Off`) E cv 1.3
`CacheDefaultExpire` *hours* — (1) E cv
`CacheDirLength` *number* — (1) E cv
`CacheDirLevels` *number* — (3) E cv
`CacheForceCompletion` *percentage-complete* — (90) E cv 1.3
`CacheGcInterval` *hours* — E cv
`CacheLastModifiedFactor` *factor* — (`0.1`) E cv
`CacheMaxExpire` *hours* — (24) E cv
`CacheRoot` *directory* — E cv
`CacheSize` *kb* — (5) E cv
`NoCache` {`*`|*host*|*domain*} `...` — E cv

Common Gateway Interface (CGI) variables

`AUTH_TYPE`	Authentication method used
`CONTENT_LENGTH`	Length of input stream data
`CONTENT_TYPE`	Internet media type of input stream
`GATEWAY_INTERFACE`	CGI version
`PATH_INFO`	URL part after script identifier
`PATH_TRANSLATED`	`PATH_INFO` translated into filesystem
`QUERY_STRING`	Query string from URL (if present)
`REMOTE_ADDR`	IP address of client
`REMOTE_HOST`	DNS name of client
`REMOTE_IDENT`	Remote user id (unreliable)
`REMOTE_USER`	Name of the authenticated user
`REQUEST_METHOD`	HTTP request method
`SCRIPT_NAME`	Virtual path of the script
`SERVER_NAME`	Host-name of the server
`SERVER_PORT`	Port number of server
`SERVER_PROTOCOL`	Name and version of the protocol
`SERVER_SOFTWARE`	Server software name and version
`HTTP_ACCEPT`	MIME types the browser will accept
`HTTP_REFERER`	URL of referring document
`HTTP_USER_AGENT`	Client software identification
`MOD_PERL`	Defined if running under `mod_perl`

Server Side Includes (SSI)

Format is: `<!--#`*element attr=value* `... -->`

Elements are:

`config`	controls parsing; attributes: `errmsg`, `sizefmt` (one of `bytes` or `abbrev`), `timefmt` (`strftime` format)
`echo`	print the value of a variable; attribute `var` (can be a CGI variable or one of: `DATE_GMT`, `DATE_LOCAL`, `DOCUMENT_NAME`, `DOCUMENT_URI` or `LAST_MODIFIED`)
`set`	set the value of a variable; attributes: `var`, `value`
`printenv`	print a list of all variables and their values
`exec`	execute a shell command or CGI script; attribute: `cmd` or `cgi` (`IncludesNOEXEC` option disables `exec`)
`fsize`	print size of file; attribute: `file` or `virtual`
`flastmod`	print file modification time; attribute `file` or `virtual`

`include`	include another document; attribute `file` or `virtual`
`if`	conditional; attribute: `expr`
`elif`	conditional; attribute: `expr`
`else`	conditional
`endif`	conditional

HTTP 1.1 status codes

100	Continue
101	Switching protocols
200	OK
201	Created
202	Accepted
203	Non-authoritative information
204	No content
205	Reset content
206	Partial content
300	Multiple choices
301	Moved permanently
302	Moved temporarily
303	See other
304	Not modified
305	Use proxy
400	Bad request
401	Unauthorized
402	Payment required
403	Forbidden
404	Not found
405	Method not allowed
406	Not acceptable
407	Proxy authentication required
408	Request timeout
409	Conflict
410	Gone
411	Length required
412	Precondition failed
413	Request entity too large
414	Request-URI too long
415	Unsupported media type
500	Internal server error
501	Not implemented
502	Bad gateway
503	Service unavailable
504	Gateway timeout
505	HTTP version not supported

Apache Web Resources

`http://www.apache.org`	Apache home page
`http://modules.apache.org`	Apache Module Registry
`http://www.apache-ssl.org`	Apache-SSL home page
`http://www.modssl.org`	mod_ssl home page
`http://java.apache.org`	The Java-Apache Project
`http://perl.apache.org`	The Apache/Perl Integration Project
`http://www.php.net`	PHP: Hypertext Processor
`http://www.apacheweek.com`	Apache Week
`http://www.netcraft.com/survey`	Netcraft Server Survey
`http://www.refcards.com`	Quick Reference Cards

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