



# Apache Quick Reference Card

Revision 1.6 for Apache version 1.3.6






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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 , while those that have changed are marked .

## 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 
-c directive process directive after reading config files 
-L list available configuration directives and exit 
-l list compiled-in modules and exit 
-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 
-X single-process 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 
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 
ServerPath pathname C v
ServerTokens {Min[imal]|OS|Full} (Full) C c 
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 
UseCanonicalName {On|Off} (On) C cvda 
CoreDumpDirectory directory (as ServerRoot) C c 
IdentityCheck {On|Off} (Off) C cvd
ClearModuleList C c
```

AddModule <i>module</i> ...	C c	
AddModuleInfo <i>module text</i>	E cv	
ExtendedStatus {On Off}	(Off) E c	



### Sectional directives

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


### Logging directives

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

*format-string* can contain literal text and format specifiers:

%a	Remote IP address	
%b	Number of bytes sent (excluding headers)	
%{ <i>var</i> }e	Environment variable value	
%f	Filename	
%h	Remote host	
%{ <i>hdr</i> }i	Incoming header value	
%l	Remote logname (from identd)	
%{ <i>label</i> }n	Labelled note from another module	
%{ <i>hdr</i> }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	
%{ <i>format</i> }t	Time ( <i>format</i> 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	

### Performance tuning directives

Timeout <i>secs</i>	(300) C c	
KeepAlive {On Off}	(On) C c	
KeepAliveTimeout <i>seconds</i>	(15) C c	
MaxKeepAliveRequests <i>number</i>	(100) C c	
MaxClients <i>number</i>	(256) C c	
MaxRequestsPerChild <i>number</i>	C c	
ExcessRequestsPerChild <i>number</i>	E c	
MaxSpareServers <i>number</i>	(10) C c	
MinSpareServers <i>number</i>	(5) C c	


StartServers <i>number</i>	(5) C c	
ListenBacklog <i>number</i>	(511) C c	
LimitRequestBody <i>nbytes</i>	C cvda	
LimitRequestFields <i>number</i>	(100) C c	
LimitRequestFieldSize <i>nbytes</i>	(8190) C c	
LimitRequestLine <i>nbytes</i>	(8190) C c	
SendBufferSize <i>bytes</i>	C c	
RLimitCPU {secs max} [{secs max}]	C cvda	
RLimitMEM {bytes max} [{bytes max}]	C cvda	
RLimitNPROC {nprocs max} [{nprocs max}]	C cvda	
ThreadsPerChild <i>number</i>	(50) C c	

### File typing directives



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

### Mapping directives



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

### 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 

AllowCONNECT <i>port</i> ...	(443 563)	E cv	Ⓝ
ProxyBlock { *  <i>host</i>   <i>domain</i> } ...		E cv	
ProxyDomain <i>domain-name</i>		E cv	Ⓝ
ProxyPass <i>path url</i>		E cv	
ProxyPassReverse <i>path url</i>		E cv	Ⓝ
ProxyReceiveBufferSize <i>number-bytes</i>		E cv	Ⓝ
ProxyRemote <i>match remote-server</i>		E cv	
ProxyRequests { On Off }	(Off)	E cv	
ProxyVia { On Off Full Block }	(Off)	E cv	Ⓝ
CacheDefaultExpire <i>hours</i>	(1)	E cv	
CacheDirLength <i>number</i>	(1)	E cv	
CacheDirLevels <i>number</i>	(3)	E cv	
CacheForceCompletion <i>percentage-complete</i>	(90)	E cv	Ⓝ
CacheGcInterval <i>hours</i>		E cv	
CacheLastModifiedFactor <i>factor</i>	(0.1)	E cv	
CacheMaxExpire <i>hours</i>	(24)	E cv	
CacheRoot <i>directory</i>		E cv	
CacheSize <i>kb</i>	(5)	E cv	
NoCache { *  <i>host</i>   <i>domain</i> } ...		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	404 Not found
101 Switching protocols	405 Method not allowed
200 OK	406 Not acceptable
201 Created	407 Proxy authentication required
202 Accepted	408 Request timeout
203 Non-authoritative information	409 Conflict
204 No content	410 Gone
205 Reset content	411 Length required
206 Partial content	412 Precondition failed
300 Multiple choices	413 Request entity too large
301 Moved permanently	414 Request-URI too long
302 Moved temporarily	415 Unsupported media type
303 See other	500 Internal server error
304 Not modified	501 Not implemented
305 Use proxy	502 Bad gateway
400 Bad request	503 Service unavailable
401 Unauthorized	504 Gateway timeout
402 Payment required	505 HTTP version not supported
403 Forbidden	

### Apache Web Resources

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

### Apache Quick Reference Card

A **refcards.com**<sup>TM</sup> quick reference card.

Revision 1.6 for Apache version 1.3.6 [May 1999]

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