All in CHEATSHEET [.htaccess]

```
To protect your privacy remote resources have been blocked.
Example .htaccess Code Snippets
Here are some specific examples taken from the Htaccess Guide.
Redirect Everyone Except IP address to alternate page
ErrorD ocument 403http:/ /ww w.y aho o.com/
Order deny,allow
Deny from all
Allow from 208.11 3.1 34.190
When developing sites
This lets google crawl the page, lets me access without a password, and lets my client access the page
WITH a password. It also allows for XHTML and CSS valida tion! (w3.org)
AuthName " Under Develo pme nt"
AuthUs erFile /home/ sit ena me.c om /.h tpasswd
AuthType basic
Require valid-user
Order deny,allow
Deny from all
Allow from 208.11 3.1 34.190 w3.org htmlhe lp.com google bot.com
Satisfy Any
Fix double -login prompt
Redirect non-https requests to https server and ensure that .htpasswd author ization can only be entered
across HTTPS
SSLOptions +Stric tRe quire
SSLReq uireSSL
SSLRequire %{HTTP _HOST} eq " ask apa che.co m"
ErrorD ocument 403https: //a ska pac he.com
Set Timezone of the Server (GMT)
SetEnv TZ Americ a/I ndi ana polis
Admini strator Email for ErrorD ocument
SetEnv SERVER _ADMIN webmas ter @go ogl e.com
Server Sig nature for ErrorD ocument
Server Sig nature off | on | email
Charset and Language headers
Article: Setting Charset in htaccess, and article by Richard Ishida
AddDef aul tCh arset UTF-8
Defaul tLa nguage en-US
Disallow Script Execution
Options -ExecCGI
AddHandler cgi-script .php .pl .py .jsp .asp .htm .shtml .sh .cgi
Deny Request Methods
Rewrit eCond %{REQU EST _ME THOD} !^(GET |HE AD| OPT ION S|P OST |PUT)
Rewrit eRule .* - [F]
```


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All in CHEATSHEET [.htaccess] (cont)

> Force "File Save As" Prompt
AddType application/octet-stream .avi .mpg .mov .pdf .xls .mp4
Show CGI Source Code
RemoveHandler cgi-script .pl .py .cgi
AddType text/plain .pl .py .cgi
Serve all .pdf files on your site using .htaccess and mod_rewrite with the php script.
RewriteEngine On
RewriteBase /
RewriteCond %{REQUEST_FILENAME} -f
RewriteRule ^(.+)\.pdf$ /cgi-bin/pdf.php?file=$1 [L,NC,QSA]
Rewrite to www
RewriteCond %{REQUEST_URI} !^/(robots\.txt|favicon\.ico|sitemap\.xml)$
RewriteCond %{HTTP_HOST} !^www\.askapache\.com$ [NC]
RewriteRule ^(.*)$ https://www.askapache.com/$1 [R=301,L]
Rewrite to www dynamically
RewriteCond %{REQUEST_URI} !^/robots\.txt$ [NC]
RewriteCond %{HTTP_HOST} !^www\.[a-z-]+\.[a-z]{2,6} [NC]
RewriteCond %{HTTP_HOST} ([a-z-]+\.[a-z]{2,6})$ [NC]
RewriteRule ^/(.*)$ http://%1/$1 [R=301,L]
301 Redirect Old File
Redirect 301 /old/file.html https://www.askapache.com/new/file/
301 Redirect Entire Directory
RedirectMatch 301 /blog(.*) https://www.askapache.com/$1
Protecting your php.cgi
<FilesMatch "^php5?\.(ini|cgi)$">
Order Deny,Allow
Deny from All
Allow from env=REDIRECT_STATUS
</FilesMatch>
Set Cookie based on Request
This code sends the Set-Cookie header to create a cookie on the client with the value of a matching item in 2nd parantheses.
RewriteEngine On
RewriteBase /
RewriteRule ^(.*)(de|es|fr|it|ja|ru|en)/$ - [co=lang:$2:.askapache.com:7200:/]
Set Cookie with env variable
Header set Set-Cookie "language=%{lang}e; path=/;" env=lang
Custom ErrorDocuments
ErrorDocument 100 /100_CONTINUE
ErrorDocument 101 /101_SWITCHING_PROTOCOLS
ErrorDocument 102 /102_PROCESSING

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All in CHEATSHEET [.htaccess] (cont)

> ErrorDocument 200 /200_OK
ErrorDocument 201 /201_CREATED
ErrorDocument 202 /202_ACCEPTED
ErrorDocument 203 /203_NON_AUTHORITATIVE
ErrorDocument 204 /204_NO_CONTENT
ErrorDocument 205 /205_RESET_CONTENT
ErrorDocument 206 /206_PARTIAL_CONTENT
ErrorDocument 207 /207_MULTI_STATUS
ErrorDocument 300 /300_MULTIPLE_CHOICES
ErrorDocument 301 /301_MOVED_PERMANENTLY
ErrorDocument 302 /302_MOVED_TEMPORARILY
ErrorDocument 303 /303_SEE_OTHER
ErrorDocument 304 /304_NOT_MODIFIED
ErrorDocument 305 /305_USE_PROXY
ErrorDocument 307 /307_TEMPORARY_REDIRECT
ErrorDocument 400 /400_BAD_REQUEST
ErrorDocument 401 /401_UNAUTHORIZED
ErrorDocument 402 /402_PAYMENT_REQUIRED
ErrorDocument 403 /403_FORBIDDEN
ErrorDocument 404 /404_NOT_FOUND
ErrorDocument 405 /405_METHOD_NOT_ALLOWED
ErrorDocument 406 /406_NOT_ACCEPTABLE
ErrorDocument 407 /407_PROXY_AUTHENTICATION_REQUIRED
ErrorDocument 408 /408_REQUEST_TIME_OUT
ErrorDocument 409 /409_CONFLICT
ErrorDocument 410 /410_GONE
ErrorDocument 411 /411_LENGTH_REQUIRED
ErrorDocument 412 /412_PRECONDITION_FAILED
ErrorDocument 413 /413_REQUEST_ENTITY_TOO_LARGE
ErrorDocument 414 /414_REQUEST_URI_TOO_LARGE
ErrorDocument 415 /415_UNSUPPORTED_MEDIA_TYPE
ErrorDocument 416 /416_RANGE_NOT_SATISFIABLE
ErrorDocument 417 /417_EXPECTATION_FAILED
ErrorDocument 422 /422_UNPROCESSABLE_ENTITY
ErrorDocument 423 /423_LOCKED
ErrorDocument 424 /424_FAILED_DEPENDENCY
ErrorDocument 426 /426_UPGRADE_REQUIRED
ErrorDocument 500 /500_INTERNAL_SERVER_ERROR
ErrorDocument 501 /501_NOT_IMPLEMENTED
ErrorDocument 502 /502_BAD_GATEWAY

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All in CHEATSHEET [.htaccess] (cont)

> ErrorDocument 503 /503_SERVICE_UNAVAILABLE
ErrorDocument 504 /504_GATEWAY_TIME_OUT
ErrorDocument 505 /505_VERSION_NOT_SUPPORTED
ErrorDocument 506 /506_VARIANT_ALSO_VARIES
ErrorDocument 507 /507_INSUFFICIENT_STORAGE
ErrorDocument 510 /510_NOT_EXTENDED
Implementing a Caching Scheme with .htaccess
year
<FilesMatch "\.(ico|pdf|flv|jpg|jpeg|png|gif|swf|mp3|mp4)$">
Header set Cache-Control "public"
Header set Expires "Thu, 15 Apr 2010 20:00:00 GMT"
Header unset Last-Modified
</FilesMatch>
#2 hours
<FilesMatch "\.(html|htm|xml|txt|xsl)$">
Header set Cache-Control "max-age=7200, must-revalidate"
</FilesMatch>
<FilesMatch "\.(js|css)$">
SetOutputFilter DEFLATE
Header set Expires "Thu, 15 Apr 2010 20:00:00 GMT"
</FilesMatch>
Password Protect single file
<Files login.php>
AuthName "Prompt"
AuthType Basic
AuthUserFile /home/askapache.com/.htpasswd
Require valid-user
</Files>
Password Protect multiple files
<FilesMatch "^(private|phpinfo).*$">
AuthName "Development"
AuthUserFile /.htpasswd
AuthType basic
Require valid-user
</FilesMatch>
Send Custom Headers
Header set P3P "policyref="https://www.askapache.com/w3c/p3p.xml""
Header set X-Pingback "https://www.askapache.com/xmlrpc.php"
Header set Content-Language "en-US"
Header set Vary "Accept-Encoding"

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All in CHEATSHEET [.htaccess] (cont)

> Blocking based on User-Agent Header
SetEnvIfNoCase ^User-Agent$.*(craftbot|download|extract|stripper|sucker|ninja|clshttp|webspider|leacher|collector|grabber|webpictures) HTTP_SAFE_BADBOT
SetEnvIfNoCase ^User-Agent$.*(libwww-perl|aesop_com_spiderman) HTTP_SAFE_BADBOT
Deny from env=HTTP_SAFE_BADBOT
Blocking with RewriteCond
RewriteCond %{HTTP_USER_AGENT} ^.*(craftbot|download|extract|stripper|sucker|ninja|clshttp|webspider|leacher|collector|grabber|webpictures).*$ [NC]
RewriteRule . - [F,L]
.htaccess for mod_php
SetEnv PHPRC /location/todir/containing/phpinifile
.htaccess for php as cgi
AddHandler php-cgi .php .htm
Action php-cgi /cgi-bin/php5.cgi
Shell wrapper for custom php.ini
#!/bin/sh
export PHP_FCGI_CHILDREN=3
exec php5.cgi -c /abs/php5/php.ini
Add values from HTTP Headers
SetEnvIfNoCase ^If-Modified-Since$ "(.+)" HTTP_IF_MODIFIED_SINCE=$1
SetEnvIfNoCase ^If-None-Match$ "(.+)" HTTP_IF_NONE_MATCH=$1
SetEnvIfNoCase ^Cache-Control$ "(.+)" HTTP_CACHE_CONTROL=$1
SetEnvIfNoCase ^Connection$ "(.+)" HTTP_CONNECTION=$1
SetEnvIfNoCase ^Keep-Alive$ "(.+)" HTTP_KEEP_ALIVE=$1
SetEnvIfNoCase ^Authorization$ "(.+)" HTTP_AUTHORIZATION=$1
SetEnvIfNoCase ^Cookie$ "(.+)" HTTP_MY_COOKIE=$1
Stop hotlinking
RewriteCond %{HTTP_REFERER} !^$
RewriteCond %{HTTP_REFERER} !^http://(www\.)?askapache\.com/.*$ [NC]
RewriteRule \.(gif|jpg|swf|flv|png)$ https://www.askapache.com/feed.gif [R=302,L]
Turn logging off for IP
SecFilterSelective REMOTE_ADDR "208\.113\.183\.103" "nolog,noauditlog,pass"
Turn logging on for IP
SecFilterSelective REMOTE_ADDR "!^208\.113\.183\.103" "nolog,noauditlog,pass"
SecFilterSelective REMOTE_ADDR "208\.113\.183\.103" "log,auditlog,pass"
Example .htaccess Files
Here are some samples and examples taken from different .htaccess files I've used over the years. Specific solutions are farther down on this page and throughout the site.
Set the Time Zone of your Server
SetEnv TZ America/Indianapolis
ServerAdmin: This address appears on some server-generated pages, such as error documents.
SetEnv SERVER_ADMIN webmaster@askapache.com
Possible values for the Options directive are "None", "All", or any combination of:

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All in CHEATSHEET [.htaccess] (cont)

```
> # Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews
Options -ExecCGI -MultiViews -Includes -Indexes FollowSymLinks
# DirectoryIndex: sets the file that Apache will serve if a directory is requested.
DirectoryIndex index.html index.php /index.php
# Action lets you define media types that will execute a script whenever
# a matching file is called. This eliminates the need for repeated URL
# pathnames for oft-used CGI file processors.
# Format: Action media/type /cgi-script/location
# Format: Action handler-name /cgi-script/location
#
Action php5-cgi /bin/php.cgi
# AddHandler allows you to map certain file extensions to "handlers":
# actions unrelated to filetype. These can be either built into the server
# or added with the Action directive (see below)
#
# To use CGI scripts outside of ScriptAliased directories:
# (You will also need to add "ExecCGI" to the "Options" directive.)
#
AddHandler php-cgi .php .inc
# Commonly used filename extensions to character sets.
AddDefaultCharset UTF-8
# AddType allows you to add to or override the MIME configuration
AddType 'application/rdf+xml; charset=UTF-8' .rdf
AddType 'application/xhtml+xml; charset=UTF-8' .xhtml
AddType 'application/xhtml+xml; charset=UTF-8' .xhtml.gz
AddType 'text/html; charset=UTF-8' .html
AddType 'text/html; charset=UTF-8' .html.gz
AddType application/octet-stream .rar .chm .bz2 .tgz .msi .pdf .exe
AddType application/vnd.ms-excel .csv
AddType application/x-httpd-php-source .phps
AddType application/x-pilot .prc .pdb
AddType application/x-shockwave-flash .swf
AddType application/xrds+xml .xrdf
AddType text/plain .ini .sh .bsh .bash .awk .nawk .gawk .csh .var .c .in .h .asc .md5 .sha .sha1
AddType video/x-flv .flv
# AddEncoding allows you to have certain browsers uncompress information on the fly. Note: Not all browsers support this.
AddEncoding x-compress .Z
AddEncoding x-gzip .gz .tgz
# DefaultType: the default MIME type the server will use for a document.
DefaultType text/html
```


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All in CHEATSHEET [.htaccess] (cont)

```
> # Optionally add a line containing the server version and virtual host
# name to server-generated pages (internal error documents, FTP directory
# listings, mod_status and mod_info output etc., but not CGI generated
# documents or custom error documents).
# Set to "EMail" to also include a mailto: link to the ServerAdmin.
# Set to one of: On | Off | EMail
ServerSignature Off
## MAIN DEFAULTS
Options +ExecCGI -Indexes
DirectoryIndex index.html index.htm index.php
DefaultLanguage en-US
AddDefaultCharset UTF-8
ServerSignature Off
## ENVIRONMENT VARIABLES
SetEnv PHPRC /webroot/includes
SetEnv TZ America/Indianapolis
SetEnv SERVER_ADMIN webmaster@askapache.com
## MIME TYPES
AddType video/x-flv .flv
AddType application/x-shockwave-flash .swf
AddType image/x-icon .ico
## FORCE FILE TO DOWNLOAD INSTEAD OF APPEAR IN BROWSER
# http://www.htaccesselite.com/addtype-addhandler-action-vf6.html
AddType application/octet-stream .mov .mp3 .zip
## ERRORDOCUMENTS
# http://askapache.com/htaccess/apache-status-code-headers-errordocument/
ErrorDocument 400 /e400/
ErrorDocument 401 /e401/
ErrorDocument 402 /e402/
ErrorDocument 403 /e403/
ErrorDocument 404 /e404/
# Handlers be builtin, included in a module, or added with Action directive
# default-handler: default, handles static content (core)
# send-as-is: Send file with HTTP headers (mod_asis)
# cgi-script: treat file as CGI script (mod_cgi)
# imap-file: Parse as an imagemap rule file (mod_imap)
# server-info: Get server config info (mod_info)
# server-status: Get server status report (mod_status)
# type-map: type map file for content negotiation (mod_negotiation)
# fastcgi-script: treat file as fastcgi script (mod_fastcgi)
```


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All in CHEATSHEET [.htaccess] (cont)

```
> #
# https://www.askapache.com/php/custom-phpini-tips-and-tricks/
## PARSE AS CGI
AddHandler cgi-script .cgi .pl .spl
## RUN PHP AS APACHE MODULE
AddHandler application/x-httpd-php .php .htm
## RUN PHP AS CGI
AddHandler php-cgi .php .htm
## CGI PHP WRAPPER FOR CUSTOM PHP.INI
AddHandler phpini-cgi .php .htm
Action phpini-cgi /cgi-bin/php5-custom-ini.cgi
## FAST-CGI SETUP WITH PHP-CGI WRAPPER FOR CUSTOM PHP.INI
AddHandler fastcgi-script .fcgi
AddHandler php-cgi .php .htm
Action php-cgi /cgi-bin/php5-wrapper.fcgi
## CUSTOM PHP CGI BINARY SETUP
AddHandler php-cgi .php .htm
Action php-cgi /cgi-bin/php.cgi
## PROCESS SPECIFIC FILETYPES WITH CGI-SCRIPT
Action image/gif /cgi-bin/img-create.cgi
## CREATE CUSTOM HANDLER FOR SPECIFIC FILE EXTENSIONS
AddHandler custom-processor .ssp
Action custom-processor /cgi-bin/myprocessor.cgi
### HEADER CACHING
# https://www.askapache.com/htaccess/speed-up-sites-with-htaccess-caching/
<FilesMatch "\.(flv|gif|jpg|jpeg|png|ico)$">
Header set Cache-Control "max-age=2592000"
</FilesMatch>
<FilesMatch "\.(js|css|pdf|swf)$">
Header set Cache-Control "max-age=604800"
</FilesMatch>
<FilesMatch "\.(html|htm|txt)$">
Header set Cache-Control "max-age=600"
</FilesMatch>
<FilesMatch "\.(pl|php|cgi|spl|scgi|fcgi)$">
Header unset Cache-Control
</FilesMatch>
## ALTERNATE EXPIRES CACHING
# htaccesselite.com/d/use-htaccess-to-speed-up-your-site-discussion-vt67.html
ExpiresActive On
```


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All in CHEATSHEET [.htaccess] (cont)

```
> ExpiresDefault A604800
ExpiresByType image/x-icon A2592000
ExpiresByType application/x-javascript A2592000
ExpiresByType text/css A2592000
ExpiresByType text/html A300
<FilesMatch "\.(pl|php|cgi|spl|scgi|fcgi)$">
ExpiresActive Off
</FilesMatch>
## META HTTP-EQUIV REPLACEMENTS
<FilesMatch "\.(html|htm|php)$">
Header set imagetoolbar "no"
</FilesMatch>
Here are some default MOD_REWRITE code examples.
## REWRITE DEFAULTS
RewriteEngine On
RewriteBase /
## REQUIRE SUBDOMAIN
RewriteCond %{HTTP_HOST} !^$
RewriteCond %{HTTP_HOST} !^subdomain\.askapache\.com$ [NC]
RewriteRule ^/(.*)$ http://subdomain.askapache.com/$1 [L,R=301]
## SEO REWRITES
RewriteRule ^(.)/ve/(.)$ $1/voluntary-employee/$2 [L,R=301]
RewriteRule ^(.)/hsa/(.)$ $1/health-saving-account/$2 [L,R=301]
## WORDPRESS
RewriteCond %{REQUEST_FILENAME} !-f # Existing File
RewriteCond %{REQUEST_FILENAME} !-d # Existing Directory
RewriteRule . /index.php [L]
## ALTERNATIVE ANTI-HOTLINKING
RewriteCond %{HTTP_REFERER} !^$
RewriteCond %{HTTP_REFERER} !^http://(subdomain\.)?askapache\.com/.*$ [NC]
RewriteRule ^.*\.(bmp|tif|gif|jpg|jpeg|jpe|png)$ - [F]
## REDIRECT HOTLINKERS
RewriteCond %{HTTP_REFERER} !^$
RewriteCond %{HTTP_REFERER} !^http://(subdomain\.)?askapache\.com/.*$ [NC]
RewriteRule ^.*\.(bmp|tif|gif|jpg|jpeg|jpe|png)$ http://google.com [R]
## DENY REQUEST BASED ON REQUEST METHOD
RewriteCond %{REQUEST_METHOD} ^(TRACE|TRACK|OPTIONS|HEAD)$ [NC]
RewriteRule ^.*$ - [F]
## REDIRECT UPLOADS
RewriteCond %{REQUEST_METHOD} ^(PUT|POST)$ [NC]
```


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All in CHEATSHEET [.htaccess] (cont)

```
> RewriteRule ^(.*)$ /cgi-bin/form-upload-processor.cgi?p=$1 [L,QSA]
## REQUIRE SSL EVEN WHEN MOD_SSL IS NOT LOADED
RewriteCond %{HTTPS} !=on [NC]
RewriteRule ^.*$ https://%{SERVER_NAME}%{REQUEST_URI} [R,L]
### ALTERNATATIVE TO USING ERRORDOCUMENT
# http://www.htaccesselite.com/d/htaccess-errordocument-examples-vt11.html
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule ^.*$ /error.php [L]
## SEO REDIRECTS
Redirect 301 /2006/oldfile.html http://subdomain.askapache.com/newfile/
RedirectMatch 301 /o/(.*)$ http://subdomain.askapache.com/s/dl/$1
Examples of protecting your files and securing with password protection.
#
# Require (user|group|valid-user) (username|groupname)
#
## BASIC PASSWORD PROTECTION
AuthType basic
AuthName "prompt"
AuthUserFile /.htpasswd
AuthGroupFile /dev/null
Require valid-user
## ALLOW FROM IP OR VALID PASSWORD
Require valid-user
Allow from 192.168.1.23
Satisfy Any
## PROTECT FILES
<FilesMatch "\.(htaccess|htpasswd|ini|phps|fla|psd|log|sh)$">
Order Allow,Deny
Deny from all
</FilesMatch>
## PREVENT HOTLINKING
SetEnvIfNoCase Referer "^http://subdomain.askapache.com/" good
SetEnvIfNoCase Referer "^$" good
<FilesMatch "\.(png|jpg|jpeg|gif|bmp|swf|flv)$">
Order Deny,Allow
Deny from all
Allow from env=good
ErrorDocument 403 http://www.google.com/intl/en_ALL/images/logo.gif
ErrorDocument 403 /images/you_bad_hotlinker.gif
```


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All in CHEATSHEET [.htaccess] (cont)

```
> </FilesMatch>
## LIMIT UPLOAD FILE SIZE TO PROTECT AGAINST DOS ATTACK
#bytes, 0-2147483647(2GB)
LimitRequestBody 10240000
## MOST SECURE WAY TO REQUIRE SSL
# https://www.askapache.com/htaccess/apache-ssl-in-htaccess-examples/
SSLOptions +StrictRequire
SSLRequireSSL
SSLRequire %{HTTP_HOST} eq "askapache.com"
ErrorDocument 403 https://askapache.com
## COMBINED DEVELOPER HTACCESS CODE-USE THIS
<FilesMatch "\.(flv|gif|jpg|jpeg|png|ico|js|css|pdf|swf|html|htm|txt)$">
Header set Cache-Control "max-age=5"
</FilesMatch>
AuthType basic
AuthName "Ooops! Temporarily Under Construction..."
AuthUserFile /.htpasswd
AuthGroupFile /dev/null
Require valid-user # password prompt for everyone else
Order Deny,Allow
Deny from all
Allow from 192.168.64.5 # Your, the developers IP address
Allow from w3.org # css/xhtml check jigsaw.w3.org/css-validator/
Allow from googlebot.com # Allows google to crawl your pages
Satisfy Any # no password required if host/ip is Allowed
## DONT HAVE TO EMPTY CACHE OR RELOAD TO SEE CHANGES
ExpiresDefault A5 #If using mod_expires
<FilesMatch "\.(flv|gif|jpg|jpeg|png|ico|js|css|pdf|swf|html|htm|txt)$">
Header set Cache-Control "max-age=5"
</FilesMatch>
## ALLOW ACCESS WITH PASSWORD OR NO PASSWORD FOR SPECIFIC IP/HOSTS
AuthType basic
AuthName "Ooops! Temporarily Under Construction..."
AuthUserFile /.htpasswd
AuthGroupFile /dev/null
Require valid-user # password prompt for everyone else
Order Deny,Allow
Deny from all
Allow from 192.168.64.5 # Your, the developers IP address
Allow from w3.org # css/xhtml check jigsaw.w3.org/css-validator/
```


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All in CHEATSHEET [.htaccess] (cont)

> Allow from googlebot.com # Allows google to crawl your pages
Satisfy Any # no password required if host/ip is Allowed
Advanced Mod_Rewrites
Here are some specific htaccess examples taken mostly from my WordPress Password Protection plugin, which does alot more than password protection as you will see from the following mod_rewrite examples. These are a few of the mod_rewrite uses that BlogSecurity declared pushed the boundaries of Mod_Rewrite! Some of these snippets are quite exotic and unlike anything you may have seen before, also only for those who understand them as they can kill a website pretty quick.
Directory Protection
Enable the DirectoryIndex Protection, preventing directory index listings and defaulting. [Disable]
Options -Indexes
DirectoryIndex index.html index.php /index.php
Password Protect wp-login.php
Requires a valid user/pass to access the login page[401]
<Files wp-login.php>
Order Deny,Allow
Deny from All
Satisfy Any
AuthName "Protected By AskApache"
AuthUserFile /home/askapache.com/.htpasswda1
AuthType Basic
Require valid-user
</Files>
Password Protect wp-admin
Requires a valid user/pass to access any non-static (css, js, images) file in this directory.[401]
Options -ExecCGI -Indexes +FollowSymLinks -Includes
DirectoryIndex index.php /index.php
Order Deny,Allow
Deny from All
Satisfy Any
AuthName "Protected By AskApache"
AuthUserFile /home/askapache.com/.htpasswda1
AuthType Basic
Require valid-user
<FilesMatch "\.(ico|pdf|flv|jpg|jpeg|mp3|mpg|mp4|mov|wav|wmv|png|gif|swf|css|js)$">
Allow from All
</FilesMatch>
<FilesMatch "(async-upload)\.php$">
<IfModule mod_security.c>
SecFilterEngine Off
</IfModule>
Allow from All
</FilesMatch>

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All in CHEATSHEET [.htaccess] (cont)

> Protect wp-content
Denies any Direct request for files ending in .php with a 403 Forbidden.. May break plugins/themes [401]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /wp-content/.*$ [NC]
RewriteCond %{REQUEST_FILENAME} !^.+flexible-upload-wp25js.php$
RewriteCond %{REQUEST_FILENAME} ^.+\.(php|html|htm|txt)$
RewriteRule .* - [F,NS,L]
Protect wp-includes
Denies any Direct request for files ending in .php with a 403 Forbidden.. May break plugins/themes [403]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /wp-includes/.*$ [NC]
RewriteCond %{THE_REQUEST} !^[A-Z]{3,9}\ /wp-includes/js/.+/.+\ HTTP/ [NC]
RewriteCond %{REQUEST_FILENAME} ^.+\.php$
RewriteRule .* - [F,NS,L]
Common Exploits
Block common exploit requests with 403 Forbidden. These can help alot, may break some plugins. [403]
RewriteCond %{REQUEST_URI} !^/(wp-login.php|wp-admin/|wp-content/plugins/|wp-includes/).* [NC]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ ///.*\ HTTP/ [NC,OR]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /.|?|=?(http|ftp|ssl|https):/.\ HTTP/ [NC,OR]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /.|?|?.\ HTTP/ [NC,OR]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /.|.(asp|ini|dll).\ HTTP/ [NC,OR]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /.|.(htpasswd|htaccess|aahtpasswd).\ HTTP/ [NC]
RewriteRule .* - [F,NS,L]
Stop Hotlinking
Denies any request for static files (images, css, etc) if referrer is not local site or empty. [403]
RewriteCond %{HTTP_REFERER} !^$
RewriteCond %{REQUEST_URI} !^/(wp-login.php|wp-admin/|wp-content/plugins/|wp-includes/).* [NC]
RewriteCond %{HTTP_REFERER} !^https://www.askapache.com.*$ [NC]
RewriteRule \.(ico|pdf|flv|jpg|jpeg|mp3|mpg|mp4|mov|wav|wmv|png|gif|swf|css|js)$ - [F,NS,L]
Safe Request Methods
Denies any request not using GET,PROPFIND,POST,OPTIONS,PUT,HEAD[403]
RewriteCond %{REQUEST_METHOD} !^(GET|HEAD|POST|PROPFIND|OPTIONS|PUT)$ [NC]
RewriteRule .* - [F,NS,L]
Forbid Proxies
Denies any POST Request using a Proxy Server. Can still access site, but not comment. See Perishable Press [403]
RewriteCond %{REQUEST_METHOD} =POST
RewriteCond %{HTTP:VIA}%{HTTP:FORWARDED}%{HTTP:USERAGENT_VIA}%{HTTP:X_FORWARDED_FOR}%{HTTP:PROXY_CONNE-CTION} !^$ [OR]
RewriteCond %{HTTP:XPROXY_CONNECTION}%{HTTP:HTTP_PC_REMOTE_ADDR}%{HTTP:HTTP_CLIENT_IP} !^$
RewriteCond %{REQUEST_URI} !^/(wp-login.php|wp-admin/|wp-content/plugins/|wp-includes/).* [NC]
RewriteRule .* - [F,NS,L]
Real wp-comments-post.php
Denies any POST attempt made to a non-existing wp-comments-post.php[403]

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All in CHEATSHEET [.htaccess] (cont)

> RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /*./wp-comments-post*\.*php.*\ HTTP/ [NC]
RewriteRule .* - [F,NS,L]
HTTP PROTOCOL
Denies any badly formed HTTP PROTOCOL in the request, 0.9, 1.0, and 1.1 only[403]
RewriteCond %{THE_REQUEST} !^[A-Z]{3,9}\ .+\ HTTP/(0\.9|1\.0|1\.1) [NC]
RewriteRule .* - [F,NS,L]
SPECIFY CHARACTERS
Denies any request for a url containing characters other than "a-zA-Z0-9.+/-?=&" - REALLY helps but may break your site depending on your links. [403]
RewriteCond %{REQUEST_URI} !^/(wp-login.php|wp-admin/|wp-content/plugins/|wp-includes/).* [NC]
RewriteCond %{THE_REQUEST} !^[A-Z]{3,9}\ [a-zA-Z0-9\.\+_/\-\?\=\&]+\ HTTP/ [NC]
RewriteRule .* - [F,NS,L]
BAD Content Length
Denies any POST request that doesnt have a Content-Length Header[403]
RewriteCond %{REQUEST_METHOD} =POST
RewriteCond %{HTTP:Content-Length} ^$
RewriteCond %{REQUEST_URI} !^/(wp-admin/|wp-content/plugins/|wp-includes/).* [NC]
RewriteRule .* - [F,NS,L]
BAD Content Type
Denies any POST request with a content type other than application/x-www-form-urlencoded|multipart/form-data[403]
RewriteCond %{REQUEST_METHOD} =POST
RewriteCond %{HTTP:Content-Type} !^(application/x-www-form-urlencoded|multipart/form-data.*(boundary.*)?)$ [NC]
RewriteCond %{REQUEST_URI} !^/(wp-login.php|wp-admin/|wp-content/plugins/|wp-includes/).* [NC]
RewriteRule .* - [F,NS,L]
Missing HTTP_HOST
Denies requests that dont contain a HTTP HOST Header.[403]
RewriteCond %{REQUEST_URI} !^/(wp-login.php|wp-admin/|wp-content/plugins/|wp-includes/).* [NC]
RewriteCond %{HTTP_HOST} ^$
RewriteRule .* - [F,NS,L]
Bogus Graphics Exploit
Denies obvious exploit using bogus graphics[403]
RewriteCond %{HTTP:Content-Disposition} \.php [NC]
RewriteCond %{HTTP:Content-Type} image/.+ [NC]
RewriteRule .* - [F,NS,L]
No UserAgent, Not POST
Denies POST requests by blank user-agents. May prevent a small number of visitors from POSTING. [403]
RewriteCond %{REQUEST_METHOD} =POST
RewriteCond %{HTTP_USER_AGENT} ^-?$
RewriteCond %{REQUEST_URI} !^/(wp-login.php|wp-admin/|wp-content/plugins/|wp-includes/).* [NC]
RewriteRule .* - [F,NS,L]
No Referer, No Comment

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All in CHEATSHEET [.htaccess] (cont)

> Denies any comment attempt with a blank HTTP_REFERER field, highly indicative of spam. May prevent some visitors from POSTING. [403]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /*./wp-comments-post\.php.*\ HTTP/ [NC]
RewriteCond %{HTTP_REFERER} ^-?$
RewriteRule .* - [F,NS,L]
Trackback Spam
Denies obvious trackback spam. See Holy Shmoly! [403]
RewriteCond %{REQUEST_METHOD} =POST
RewriteCond %{HTTP_USER_AGENT} ^.*(opera|mozilla|firefox|msie|safari).*$ [NC]
RewriteCond %{THE_REQUEST} ^[A-Z]{3,9}\ /.+/trackback/?\ HTTP/ [NC]
RewriteRule .* - [F,NS,L]
Map all URIs except those corresponding to existing files to a handler
RewriteEngine On
RewriteCond %{DOCUMENT_ROOT}%{REQUEST_URI} !-d
RewriteCond %{DOCUMENT_ROOT}%{REQUEST_URI} !-f
RewriteRule . /script.php
Map any request to a handler
In the case where all URIs should be sent to the same place (including potentially requests for static content) the method to use depends on the type of the handler. For php scripts, use: For other handlers such as php scripts, use:
RewriteEngine On
RewriteCond %{REQUEST_URI} !=/script.php
RewriteRule .* /script.php
And for CGI scripts:
ScriptAliasMatch .* /var/www/script.cgi
Map URIs corresponding to existing files to a handler instead
RewriteEngine On
RewriteCond %{DOCUMENT_ROOT}%{REQUEST_URI} -d [OR]
RewriteCond %{DOCUMENT_ROOT}%{REQUEST_URI} -f
RewriteCond %{REQUEST_URI} !=/script.php
RewriteRule .* /script.php
If the existing files you wish to have handled by your script have a common set of file extensions distinct from that of the hander, you can bypass mod_rewrite and use instead mod_actions. Let's say you want all .html and .tpl files to be dealt with by your script:
Action foo-action /script.php
AddHandler foo-action html tpl
Deny access if var=val contains the string foo.
RewriteCond %{QUERY_STRING} foo
RewriteRule ^/url - [F]
Removing the Query String
RewriteRule ^/url /url?
Adding to the Query String
Keep the existing query string using the Query String Append flag, but add var=val to the end.
RewriteRule ^/url /url?var=val [QSA]
Rewriting For Certain Query Strings

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All in CHEATSHEET [.htaccess] (cont)

> Rewrite URLs like http://askapache.com/url1?var=val to http://askapache.com/url2?var=val but don't rewrite if val isn't present.
RewriteCond %{QUERY_STRING} val
RewriteRule ^/url1 /url2
Modifying the Query String
Change any single instance of val in the query string to other_val when accessing /path. Note that %1 and %2 are back-references to the matched part of the regular expression in the previous RewriteCond.
RewriteCond %{QUERY_STRING} ^(.*)val(.*)$
RewriteRule /path /path?%1other_val%2

By **1080000000kmph**
(1080000000kmph)

cheatography.com/1080000000kmph/
www.seo-experts-score.nl

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