

## RewriteEngine On

```
# Some hosts may require you to use the `RewriteBase` directive.
# If you need to use the `RewriteBase` directive, it should be the
# absolute physical path to the directory that contains this htaccess file.
#
# RewriteBase /
```

```
RewriteCond %{REQUEST_FILENAME} !-f
```

```
RewriteRule ^ index.php [QSA,L]
```

## # Apache Configuration File

```
# (!) Using `.htaccess` files slows down Apache, therefore, if you have access
# to the main server config file (usually called `httpd.conf`), you should add
# this logic there: http://httpd.apache.org/docs/current/howto/htaccess.html.
```

```
# #####
# # CROSS-ORIGIN RESOURCE SHARING (CORS) #
# #####
```

```
# -----
# | Cross-domain AJAX requests |
# -----
```

```
# Enable cross-origin AJAX requests.
# http://code.google.com/p/html5security/wiki/CrossOriginRequestSecurity
# http://enable-cors.org/
```

```
# <IfModule mod_headers.c>
#   Header set Access-Control-Allow-Origin "*"
# </IfModule>
```

```
# -----
# | CORS-enabled images |
# -----
```

```
# Send the CORS header for images when browsers request it.
# https://developer.mozilla.org/en/CORS\_Enabled\_Image
# http://blog.chromium.org/2011/07/using-cross-domain-images-in-webgl-and.html
# http://hacks.mozilla.org/2011/04/using-cors-to-load-webgl-texture-from-cross-domain/
```

# <http://nacks.mozilla.org/2011/11/using-cors-to-load-webgl-textures-from-cross-domain-images/>

```
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    <FilesMatch "\.(gif|ico|jpe?g|png|svg|svgz|webp)$">
      SetEnvIf Origin ":" IS_CORS
      Header set Access-Control-Allow-Origin "*" env=IS_CORS
    </FilesMatch>
  </IfModule>
</IfModule>
```

```
# -----
# | Web fonts access |
# -----
```

# *Allow access from all domains for web fonts*

```
<IfModule mod_headers.c>
  <FilesMatch "\.(eot|font.css|otf|ttf|woff)$">
    Header set Access-Control-Allow-Origin "*"
  </FilesMatch>
</IfModule>
```

```
# #####
# # ERRORS #
# #####
```

```
# -----
# | 404 error prevention for non-existing redirected folders |
# -----
```

# *Prevent Apache from returning a 404 error for a rewrite if a directory with the same name does not exist.*  
# <http://httpd.apache.org/docs/current/content-negotiation.html#multiviews>  
# <http://www.webmasterworld.com/apache/3808792.htm>

## Options -MultiViews

```
# -----
# | Custom error messages / pages |
# -----
```

*# You can customize what Apache returns to the client in case of an error (see  
# <http://httpd.apache.org/docs/current/mod/core.html#errordocument>), e.g.:*

`ErrorDocument 404 /404.html`

```
# #####  
# # INTERNET EXPLORER #  
# #####
```

```
# -----  
# | Better website experience |  
# -----
```

*# Force IE to render pages in the highest available mode in the various  
# cases when it may not: <http://hsivonen.iki.fi/doctype/ie-mode.pdf>.  
# Use, if installed, Google Chrome Frame.*

```
<IfModule mod_headers.c>
```

```
Header set X-UA-Compatible "IE=edge,chrome=1"
```

*# `mod\_headers` can't match based on the content-type, however, we only  
# want to send this header for HTML pages and not for the other resources*

```
<FilesMatch "\.(appcache|crx|css|eot|gif|html|ico|jpe?
```

```
g|jst|m4a|m4v|manifest|mp4|oex|ogal|oggl|ogv|otf|pdf|png|safariextz|svg|svgz|tfl|vcf|webapp|wet
```

```
Header unset X-UA-Compatible
```

```
</FilesMatch>
```

```
</IfModule>
```

```
# -----  
# | Cookie setting from iframes |  
# -----
```

*# Allow cookies to be set from iframes in IE.*

```
# <IfModule mod_headers.c>
```

```
# Header set P3P "policyref=\"/w3c/p3p.xml\", CP=\"IDC DSP COR ADM DEVI TAIi PSA PSD IVAi  
CNTV\""
```

```
# </IfModule>
```

```
# -----  
# | Screen flicker |
```

```
# -----  
  
# Stop screen flicker in IE on CSS rollovers (this only works in  
# combination with the `ExpiresByType` directives for images from below).  
  
# BrowserMatch "MSIE" brokenvary=1  
# BrowserMatch "Mozilla/4.[0-9]{2}" brokenvary=1  
# BrowserMatch "Opera" !brokenvary  
# SetEnvIf brokenvary 1 force-no-vary  
  
# #####  
# # MIME TYPES AND ENCODING #  
# #####  
  
# -----  
# | Proper MIME types for all files |  
# -----  
  
<IfModule mod_mime.c>  
  
# Audio  
AddType audio/mp4 m4a f4a f4b  
AddType audio/ogg oga ogg  
  
# JavaScript  
# Normalize to standard type (it's sniffed in IE anyways):  
# http://tools.ietf.org/html/rfc4329#section-7.2  
AddType application/javascript js jsonp  
AddType application/json json  
  
# Video  
AddType video/mp4 mp4 m4v f4v f4p  
AddType video/ogg ogv  
AddType video/webm webm  
AddType video/x-flv flv  
  
# Web fonts  
AddType application/font-woff woff  
AddType application/vnd.ms-fontobject eot  
  
# Browsers usually ignore the font MIME types and sniff the content,
```

```
# however, Chrome shows a warning if other MIME types are used for the  
# following fonts.
```

```
AddType application/x-font-ttf          ttc ttf  
AddType font/opentype                   otf
```

```
# Make SVGZ fonts work on iPad:  
# https://twitter.com/FontSquirrel/status/14855840545
```

```
AddType    image/svg+xml                svg svgz  
AddEncoding gzip                         svgz
```

```
# Other
```

```
AddType application/octet-stream       safariextz  
AddType application/x-chrome-extension  crx  
AddType application/x-opera-extension   oex  
AddType application/x-shockwave-flash   swf  
AddType application/x-web-app-manifest+json webapp  
AddType application/x-xpinstall         xpi  
AddType application/xml                 atom rdf rss xml  
AddType image/webp                      webp  
AddType image/x-icon                     ico  
AddType text/cache-manifest              appcache manifest  
AddType text/vtt                         vtt  
AddType text/x-component                 htc  
AddType text/x-vcard                     vcf
```

```
</IfModule>
```

```
# -----  
# | UTF-8 encoding |  
# -----
```

```
# Use UTF-8 encoding for anything served as `text/html` or `text/plain`.
```

```
AddDefaultCharset utf-8
```

```
# Force UTF-8 for certain file formats.
```

```
<IfModule mod_mime.c>
```

```
    AddCharset utf-8 .atom .css .js .json .rss .vtt .webapp .xml
```

```
</IfModule>
```

```
# #####
```

```
# # URL REWRITES #
```

```
# #####
# -----
# | Rewrite engine |
# -----

# Turning on the rewrite engine and enabling the `FollowSymLinks` option is
# necessary for the following directives to work.

# If your web host doesn't allow the `FollowSymLinks` option, you may need to
# comment it out and use `Options +SymLinksIfOwnerMatch` but, be aware of the
# performance impact: http://httpd.apache.org/docs/current/misc/perf-tuning.html#symlinks

# Also, some cloud hosting services require `RewriteBase` to be set:
# http://www.rackspace.com/knowledge\_center/frequently-asked-question/why-is-mod-rewrite-not-working

<IfModule mod_rewrite.c>
    Options +FollowSymLinks
    # Options +SymLinksIfOwnerMatch
    RewriteEngine On
    # RewriteBase /
</IfModule>

# -----
# | Suppressing / Forcing the "www." at the beginning of URLs |
# -----

# The same content should never be available under two different URLs especially
# not with and without "www." at the beginning. This can cause SEO problems
# (duplicate content), therefore, you should choose one of the alternatives and
# redirect the other one.

# By default option 1 (no "www.") is activated:
# http://no-www.org/faq.php?q=class\_b

# If you'd prefer to use option 2, just comment out all the lines from option 1
# and uncomment the ones from option 2.

# IMPORTANT: NEVER USE BOTH RULES AT THE SAME TIME!

# -----
```

*# Option 1: rewrite www.example.com → example.com*

```
<IfModule mod_rewrite.c>
  RewriteCond %{HTTPS} !=on
  RewriteCond %{HTTP_HOST} ^www\.(.+\)$ [NC]
  RewriteRule ^ http://%1%{REQUEST_URI} [R=301,L]
</IfModule>
```

*# -----*

*# Option 2: rewrite example.com → www.example.com*

*# Be aware that the following might not be a good idea if you use "real"  
# subdomains for certain parts of your website.*

```
# <IfModule mod_rewrite.c>
#   RewriteCond %{HTTPS} !=on
#   RewriteCond %{HTTP_HOST} !^www\..+\$ [NC]
#   RewriteRule ^ http://www.%{HTTP_HOST}%{REQUEST_URI} [R=301,L]
# </IfModule>
```

```
# #####
# # SECURITY #
# #####
```

```
# -----
# | Content Security Policy (CSP) |
# -----
```

*# You can mitigate the risk of cross-site scripting and other content-injection  
# attacks by setting a Content Security Policy which whitelists trusted sources  
# of content for your site.*

*# The example header below allows ONLY scripts that are loaded from the current  
# site's origin (no inline scripts, no CDN, etc). This almost certainly won't  
# work as-is for your site!*

*# To get all the details you'll need to craft a reasonable policy for your site,  
# read: <http://html5rocks.com/en/tutorials/security/content-security-policy> (or  
# see the specification: <http://w3.org/TR/CSP>).*

```

# <IfModule mod_headers.c>
#   Header set Content-Security-Policy "script-src 'self'; object-src 'self'"
#   <FilesMatch "\.(appcache|crx|css|eot|gif|htc|ico|jpe?
gl|jst|m4a|m4v|manifest|mp4|oex|ogal|oggl|ogvl|otf|pdf|png|safariextz|svg|svgz|ttf|vcl|webapp|we
#       Header unset Content-Security-Policy
#   </FilesMatch>
# </IfModule>

# -----
# | File access |
# -----

# Block access to directories without a default document.
# Usually you should leave this uncommented because you shouldn't allow anyone
# to surf through every directory on your server (which may includes rather
# private places like the CMS's directories).

<IfModule mod_autoindex.c>
    Options -Indexes
</IfModule>

# -----

# Block access to hidden files and directories.
# This includes directories used by version control systems such as Git and SVN.

<IfModule mod_rewrite.c>
    RewriteCond %{SCRIPT_FILENAME} -d [OR]
    RewriteCond %{SCRIPT_FILENAME} -f
    RewriteRule "(^/)\." - [F]
</IfModule>

# -----

# Block access to backup and source files.
# These files may be left by some text editors and can pose a great security
# danger when anyone has access to them.

<FilesMatch "(^#.*#\.(bak|config|dist|fla|incl|ini|log|psd|shl|sql|sw[op])|(^)$">
    Order allow,deny

```

```
-----
Deny from all
Satisfy All
</FilesMatch>

# -----
# | Secure Sockets Layer (SSL) |
# -----

# Rewrite secure requests properly to prevent SSL certificate warnings, e.g.:
# prevent `https://www.example.com` when your certificate only allows
# `https://secure.example.com`.

# <IfModule mod_rewrite.c>
#   RewriteCond %{SERVER_PORT} !^443
#   RewriteRule ^ https://example-domain-please-change-me.com%{REQUEST_URI} [R=301,L]
# </IfModule>

# -----

# Force client-side SSL redirection.

# If a user types "example.com" in his browser, the above rule will redirect him
# to the secure version of the site. That still leaves a window of opportunity
# (the initial HTTP connection) for an attacker to downgrade or redirect the
# request. The following header ensures that browser will ONLY connect to your
# server via HTTPS, regardless of what the users type in the address bar.
# http://www.html5rocks.com/en/tutorials/security/transport-layer-security/

# <IfModule mod_headers.c>
#   Header set Strict-Transport-Security max-age=16070400;
# </IfModule>

# -----
# | Server software information |
# -----

# Avoid displaying the exact Apache version number, the description of the
# generic OS-type and the information about Apache's compiled-in modules.

# ADD THIS DIRECTIVE IN THE `httpd.conf` AS IT WILL NOT WORK IN THE `.htaccess`!
```

```
# ServerTokens Prod
```

```
# #####  
# # WEB PERFORMANCE #  
# #####
```

```
# -----  
# | Compression |  
# -----
```

```
<IfModule mod_deflate.c>
```

```
    # Force compression for mangled headers.
```

```
    # http://developer.yahoo.com/blogs/ydn/posts/2010/12/pushing-beyond-gzipping
```

```
    <IfModule mod_setenvif.c>
```

```
        <IfModule mod_headers.c>
```

```
            SetEnvIfNoCase ^(\Accept-Encoding|X-cept-Encoding|X(15)|^(15)|-(15))$ ^((gzip|deflate|4,13)$ HAVE_Accept-Encoding
```

```
                RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
```

```
        </IfModule>
```

```
    </IfModule>
```

```
    # Compress all output labeled with one of the following MIME-types
```

```
    # (for Apache versions below 2.3.7, you don't need to enable `mod_filter`
```

```
    # and can remove the `<IfModule mod_filter.c>` and `</IfModule>` lines
```

```
    # as `AddOutputFilterByType` is still in the core directives).
```

```
    <IfModule mod_filter.c>
```

```
        AddOutputFilterByType DEFLATE application/atom+xml \
```

```
        application/javascript \
```

```
        application/json \
```

```
        application/rss+xml \
```

```
        application/vnd.ms-fontobject \
```

```
        application/x-font-ttf \
```

```
        application/x-web-app-manifest+json \
```

```
        application/xhtml+xml \
```

```
        application/xml \
```

```
        font/opentype \
```

```
        image/svg+xml \
```

```
        image/x-icon \
```

```
        text/css \
```

```
        text/javascript \
```

```
text/html \
text/plain \
text/x-component \
text/xml
```

```
</IfModule>
```

```
</IfModule>
```

```
# -----
# | Content transformations |
# -----
```

```
# Prevent some of the mobile network providers from modifying the content of
# your site: http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.9.5.
```

```
# <IfModule mod_headers.c>
#   Header set Cache-Control "no-transform"
# </IfModule>
```

```
# -----
# | ETag removal |
# -----
```

```
# Since we're sending far-future expires headers (see below), ETags can
# be removed: http://developer.yahoo.com/performance/rules.html#etags.
```

```
# `FileETag None` is not enough for every server.
```

```
<IfModule mod_headers.c>
```

```
    Header unset ETag
```

```
</IfModule>
```

```
FileETag None
```

```
# -----
# | Expires headers (for better cache control) |
# -----
```

```
# The following expires headers are set pretty far in the future. If you don't
# control versioning with filename-based cache busting, consider lowering the
# cache time for resources like CSS and JS to something like 1 week.
```

```
<IfModule mod_expires.c>
```

```
ExpiresActive on  
ExpiresDefault "access plus 1 month"
```

```
# CSS
```

```
ExpiresByType text/css "access plus 1 year"
```

```
# Data interchange
```

```
ExpiresByType application/json "access plus 0 seconds"
```

```
ExpiresByType application/xml "access plus 0 seconds"
```

```
ExpiresByType text/xml "access plus 0 seconds"
```

```
# Favicon (cannot be renamed!)
```

```
ExpiresByType image/x-icon "access plus 1 week"
```

```
# HTML components (HTCs)
```

```
ExpiresByType text/x-component "access plus 1 month"
```

```
# HTML
```

```
ExpiresByType text/html "access plus 0 seconds"
```

```
# JavaScript
```

```
ExpiresByType application/javascript "access plus 1 year"
```

```
# Manifest files
```

```
ExpiresByType application/x-web-app-manifest+json "access plus 0 seconds"
```

```
ExpiresByType text/cache-manifest "access plus 0 seconds"
```

```
# Media
```

```
ExpiresByType audio/ogg "access plus 1 month"
```

```
ExpiresByType image/gif "access plus 1 month"
```

```
ExpiresByType image/jpeg "access plus 1 month"
```

```
ExpiresByType image/png "access plus 1 month"
```

```
ExpiresByType video/mp4 "access plus 1 month"
```

```
ExpiresByType video/ogg "access plus 1 month"
```

```
ExpiresByType video/webm "access plus 1 month"
```

```
# Web feeds
```

```
ExpiresByType application/atom+xml "access plus 1 hour"
```

```
ExpiresByType application/rss+xml "access plus 1 hour"
```

```

# Web fonts
ExpiresByType application/font-woff           "access plus 1 month"
ExpiresByType application/vnd.ms-fontobject  "access plus 1 month"
ExpiresByType application/x-font-ttf         "access plus 1 month"
ExpiresByType font/opentype                  "access plus 1 month"
ExpiresByType image/svg+xml                  "access plus 1 month"

</IfModule>

# -----
# | Filename-based cache busting |
# -----

# If you're not using a build process to manage your filename version revwing,
# you might want to consider enabling the following directives to route all
# requests such as "/css/style.12345.css" to "/css/style.css".

# To understand why this is important and a better idea than *.css?v231, read:
# http://stevesouders.com/blog/2008/08/23/revwing-filenames-dont-use-querystring

# <IfModule mod_rewrite.c>
#   RewriteCond %{REQUEST_FILENAME} !-f
#   RewriteCond %{REQUEST_FILENAME} !-d
#   RewriteRule ^(.+)?\.(?d+)\.(js|css|png|jpg|gif)$ $1.$3 [L]
# </IfModule>

# -----
# | File concatenation |
# -----

# Allow concatenation from within specific CSS and JS files, e.g.:
# Inside of script.combined.js you could have
# <!--#include file="libs/jquery.js" -->
# <!--#include file="plugins/jquery.idletimer.js" -->
# and they would be included into this single file.

# <IfModule mod_include.c>
#   <FilesMatch "\.combined\.js$">
#       Options +Includes
#       AddOutputFilterByType INCLUDES application/javascript application/json

```

```
#     SetOutputFilter INCLUDES
# </FilesMatch>
# <FilesMatch "\.combined\.css$">
#     Options +Includes
#     AddOutputFilterByType INCLUDES text/css
#     SetOutputFilter INCLUDES
# </FilesMatch>
# </IfModule>

# -----
# | Persistent connections |
# -----

# Allow multiple requests to be sent over the same TCP connection;
# http://httpd.apache.org/docs/current/en/mod/core.html#keepalive.

# Enable if you serve a lot of static content but, be aware of the
# possible disadvantages!

# <IfModule mod_headers.c>
#     Header set Connection Keep-Alive
# </IfModule>
```