

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) #  
# #####
```

```
# -----  
# | 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|htc|ico|jpe?"
```

```
gl|js|m4a|m4v|manifest|mp4|oex|ogal|ogg|ogv|otf|pdf|png|safariextz|svg|svgz|tfl|vcf|webapp|wet
```

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

```
</FilesMatch>
```

```
</IfModule>
```

```
# #####
# # MIME TYPES AND ENCODING #
# #####
```

```
# -----
# | Proper MIME types for all files |
# -----
```

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

```
# JavaScript
```

```
# Normalize to standard type (it's sniffed in IE anyways):
```

```
# http://tools.ietf.org/html/rfc4329#section-7.2
```

```
Header set Content-Type text/javascript
```

```

AddType application/javascript      js jsonp
AddType application/json            json

# 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/xml             atom rdf rss xml
AddType image/x-icon                ico
AddType text/cache-manifest         appcache manifest

</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

# 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>

```

```

# #####
# # 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|js|m4a|m4v|manifest|mp4|oex|ogal|oggl|ogv|otf|pdf|png|safariextz|svg|svgz|ttf|vcf|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| fl| incl| ini| log| psd| sh| sql| sw[op])| (^)$">
    Order allow,deny
    Deny from all
    Satisfy All
</FilesMatch>

# #####
# # 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-EncodXng| X-cept-Encoding| X(15)| ^(15)| -(15))$ ^((gzip| def
(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/html \  
        text/plain \  
        text/x-component \  
        text/xml
```

```
</IfModule>
```

```
</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 week"

    # CSS
    ExpiresByType text/css "access plus 1 week"

    # 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 week"

    # HTML
    ExpiresByType text/html "access plus 0 seconds"

    # JavaScript
    ExpiresByType application/javascript "access plus 1 week"

    # 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 week"
    ExpiresByType image/gif "access plus 1 week"

```



```
ExpiresByType image/jpeg "access plus 1 week"
ExpiresByType image/png "access plus 1 week"
ExpiresByType video/mp4 "access plus 1 week"
ExpiresByType video/ogg "access plus 1 week"
ExpiresByType video/webm "access plus 1 week"
```

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 week"
ExpiresByType application/vnd.ms-fontobject "access plus 1 week"
ExpiresByType application/x-font-ttf "access plus 1 week"
ExpiresByType font/opentype "access plus 1 week"
ExpiresByType image/svg+xml "access plus 1 week"
```

</IfModule>

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

*# If you're not using a build process to manage your filename version revving,
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://stevesouder.com/blog/2008/08/23/revving-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>
```