

## # 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>.

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

# Send the CORS header for images when browsers request it.

# [https://developer.mozilla.org/en/CORS\\_Enabled\\_Image](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/2011/11/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|ttfl|woff)$">
```

```
    Header set Access-Control-Allow-Origin "*"
```

```
  </FilesMatch>
```

```
</IfModule>
```

```
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

# #####
# # 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 "\.(appache|crx|css|eot|gif|htc|ico|jpe?
gl|js| m4a| m4v| manifest| mp4| oex| ogal| ogg| ogv| otfl| 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>

```

```
# -----
# | 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/ymn/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 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"
```

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>