# 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://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_Images

<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    <FilesMatch "\.(gif|ico|jpeg|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|ttc|woff)"/>
    Header set Access-Control-Allow-Origin "*"
  </FilesMatch>
</IfModule>

# 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#error_document), e.g.:

ErrorDocument 404 /404.html
# 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.

<IfModule mod_headers.c>
  Header set X-UA-Compatible "IE=edge"
  # `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|htm|ico|jpe?gl|js|manifest|mp4|ogg|ogx|otf|pdf|png|safari|svg|svgz|ttf|vml|webp|wml|wet|
  Header unset X-UA-Compatible
</FilesMatch>
</IfModule>

# Allow cookies to be set from iframes in IE.

# <IfModule mod_headers.c>
#   Header set P3P "policyref=\\/w3c/p3p.xmI", CP="IDC DSP COR ADM DEVi TAIi PSA PSD IVAi
#   CNIT\"
# </IfModule>

# 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 [0-9]{2}" brokenvary=1
# BrowserMatch "Opera" !brokenvary
# SetEnvIf brokenvary 1 force-no-vary

# # MIME TYPES AND ENCODING
#
<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 safarientz
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-no

```c
<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

```c
<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
#
# # SECURITY
#

# 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|csr|css|eot|gif|htc|ico|jpe?|gl|js|l|m4v|manifest|mp4|oex|x|og|ogl|ogv|otf|pdf|png|safariextz|svg|svgz|ttf|vcl|webapp|wex"
#     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|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.

# <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.

```xml
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase "^Accept-Encoding|X-accept-encoding|X{15}|"{15}|-{15}"$ "gzip deflate" 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).

```xml
<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>
```

```xml
</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

# `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"
</IfModule>
# 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>
# 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?v=231`, read: # http://stevesouders.com/blog/2008/08/23/revving-filenames-dont-use-queryString

```apache
<IfModule mod_rewrite.c>

RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule ^(.+)/(\d+)/(\jsl cssl pngl jpegl gifl)$ $1. $3 []

</IfModule>
```

# -----------------------------------------------

# ! File concatenation
# -----------------------------------------------

# Allow concatenation from within specific CSS and JS files, e.g.: # Inside of `./script.combined.js` you could have
```
<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:

# 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>

#----------------------------------------------------------------------
# / html5 pushstate (history) support
#----------------------------------------------------------------------

# Check if the requested filename is a static resource (image, stylesheet, etc),
# if not, check if the requested file is index.html,
# if not, then redirect to index.html

<IfModule mod_rewrite.c>

  RewriteEngine On
  RewriteCond %{REQUEST_FILENAME} !f
  RewriteCond %{REQUEST_FILENAME} !d
  RewriteCond %{REQUEST_URI} !index
  RewriteRule (.*) index.html [L]

</IfModule>