# 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_Image

<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

```xml
<IfModule mod_headers.c>
  <FilesMatch "\.\.(eot|font\.css|otf|ttc|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

```xml
Options -MultiViews
```

# Custom error messages / pages

# http://httpd.apache.org/docs/current/mod/core.html#errordocument)

```xml
ErrorDocument 404 /404.html
```

# 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?g|js|m4a|m4v|manifest|mp4|oex|oga|ogg|ogv|otf|pdf|png|safariextz|svg|svgz|ttf|vcf|webapp|webm|webp|woff|xml|xpi)$">
        Header unset X-UA-Compatible
    </FilesMatch>
</IfModule>

# ##############################################################################
# # 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 safarextz
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-on-my-site

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

# Remove .php extension from url
RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} .php -f
RewriteRule ^(.*)$ $1.php

# Redirect if user requests .php file
RewriteCond %{THE_REQUEST} 
/([^/]+)\.php(\?|$)
RewriteRule ^ /%1 [L,R=301]

# 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!

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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>

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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. %{REQUEST_URI} [R=301,L]
</IfModule>

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# 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 "(^#.*#|\.\(bak|config|dist|fla|incl|init|log|psd|sql|sw[op]\)\|\")">  
   Order allow,deny  
   Deny from all  
   Satisfy All
</FilesMatch>

# 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

<IfModule mod_deflate.c>

# Force compression for mangled headers.
<IfModule mod_setenvif.c>
    <IfModule mod_headers.c>
        SetEnvIfNoCase ^((Accept-Encoding|X-cept-Encoding|X\{15\}|"{15}\|-{15}))$ 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
    
</IfModule>
# 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>

# 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

# 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/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>

# 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>