

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/2011/11/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|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

Options -MultiViews

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

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

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?
gl|jst|m4a|m4v|manifest|mp4|oex|ogal|ogg|ogv|otf|pdf|png|safariextz|svg|svgz|tiff|vcl|webapp|wet
    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       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>

# 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!
```

```
# -----
```

```
# 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>
```

```
# -----
```

```
# | 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>

# -----

# -----
# | 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/ymd/posts/2010/12/pushing-beyond-gzipping
```

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

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

```
            SetEnvIfNoCase ^(\Accept-EncodXngl X-cept-Encodingl X(15)l ~(15)l -(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>
```

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

```
# CACHE TIME FOR EXPIRES LIKE WWW.DIG.COM IS TO EXPIRE WITHIN 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;
# 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>
```