

Apache Configuration File

<https://github.com/h5bp/server-configs-apache>

*# (!) 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) #
#####*

*# -----
| 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|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>

```
</itmodule>
```

```
# #####
# # 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/

```
# #####
# # 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.
```

```
<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
```

```
Header unset X-UA-Compatible "text/css" "text/javascript"
```

```

    <FilesMatch "\.(appcache|crx|css|eot|gif|htc|ico|jpe?
gl|js|m4a|m4v|manifest|mp4|oex|ogal|oggl|ogv|otf|pdf|png|safariextz|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
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 #
# #####

# -----

```

```
# I 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>

# -----

# I 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]
#     RewriteCond %{HTTP_HOST} !=localhost [NC]
#     RewriteCond %{HTTP_HOST} !=127.0.0.1
#     RewriteRule ^ http://www.%{HTTP_HOST}%{REQUEST_URI} [R=301,L]
# </IfModule>

# #####
# # SECURITY #
# #####

# -----
# | 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|inc|ini|log|psd|sh|sql|sw[op])|(^)$">
    Order allow,deny
    Deny from all
    Satisfy All
</FilesMatch>

# -----

# Block access from libwww-perl bots

<IfModule mod_rewrite.c>
    RewriteCond %{HTTP_USER_AGENT} libwww-perl.*
    RewriteRule .* - [F,L]
</IfModule>

# #####
# # 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-Encoding|X-cept-Encoding|X(15)|^(15)|-(15))$
^((gzip|deflate)\s*,?\s*)+([X"]-){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"
```

```
# 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>

#####

REDIRECTS

#####

Remove index.html

If it's a request to index(.html)

RewriteCond %{THE_REQUEST} \ /(.+)?index(\.html)?(\?.*)?\ [NC]

Remove it.

RewriteRule ^(.+)?index(\.html)?\$ /%1 [R=301,L]

Remove .html extension

```

# Remove .html extensions
# -----

# If it's a request from a browser, not an internal request by Apache/mod_rewrite.
RewriteCond %{ENV:REDIRECT_STATUS} ^$
# And the request has a HTML extension. Redirect to remove it.
RewriteRule ^(\.+)\.html$ /$1 [R=301,L]

# If the request exists with a .html extension.
RewriteCond %{SCRIPT_FILENAME}.html -f
# And there is no trailing slash, rewrite to add the .html extension.
RewriteRule [^/]$ %{REQUEST_URI}.html [QSA,L]

# -----
# Feed redirects
# -----

redirect 301 /atom/ http://feeds.feedburner.com/MadeMi stakes
redirect 301 /rss/ http://feeds.feedburner.com/MadeMi stakes
redirect 301 /test/atom.xml http://feeds.feedburner.com/MadeMi stakes
redirect 301 /feed.xml http://feeds.feedburner.com/MadeMi stakes

# -----
# Sitemap redirects
# -----

redirect 301 /sitemap.xml.gz http://mademistakes.com/sitemap.xml
redirect 301 /post-sitemap.xml http://mademistakes.com/sitemap.xml
redirect 301 /category-sitemap.xml http://mademistakes.com/sitemap.xml

# -----
# Page redirects
# -----

RedirectMatch permanent /lifestream http://mademistakes.com/articles/
redirect 301 /about-made-mistakes/ http://mademistakes.com/about/
redirect 301 /articles/face http://mademistakes.com/articles/paperfaces-ipad-portrait-
project/
redirect 301 /articles/faces-made-with-paper-ipad
http://mademistakes.com/articles/paperfaces-ipad-portrait-project/
redirect 301 /articles/paperfaces-portrait-gallery http://mademistakes.com/paperfaces/

```

redirect 301 /paperfaces/slave-leia-jabba-the-hutt
http://mademistakes.com/paperfaces/slave-leia-jabba-the-hutt-portrait/
redirect 301 /tags.html http://mademistakes.com/tag/
redirect 301 /tag/baby/ http://mademistakes.com/tag/twins/
redirect 301 /articles/mastering-paper-53-guide http://mademistakes.com/mastering-paper/
redirect 301 /works http://mademistakes.com/work
redirect 301 /minimal-mistakes http://mademistakes.com/articles/minimal-mistakes-jekyll-theme
redirect 301 /so-simple http://mademistakes.com/articles/so-simple-jekyll-theme
redirect 301 /hpstr http://mademistakes.com/articles/hpstr-jekyll-theme
redirect 301 /articles/paper-53-introduction http://mademistakes.com/mastering-paper/introduction-tool-guide
redirect 301 /articles/paper-53-drawing-trees http://mademistakes.com/mastering-paper/drawing-trees
redirect 301 /articles/paper-53-drawing-sky-clouds http://mademistakes.com/mastering-paper/drawing-clouds
redirect 301 /articles/paper-53-drawing-water-waves http://mademistakes.com/mastering-paper/drawing-water
redirect 301 /articles/paper-53-book-review http://mademistakes.com/mastering-paper/moleskine-book
redirect 301 /articles/paper-53-drawing-textures http://mademistakes.com/mastering-paper/drawing-textures
redirect 301 /articles/paper-53-basics http://mademistakes.com/mastering-paper/basics
redirect 301 /articles/madewithpaper-drawing-guide http://mademistakes.com/mastering-paper/short-guide
redirect 301 /articles/how-to-draw-hair-paper-53 http://mademistakes.com/mastering-paper/drawing-hair
redirect 301 /articles/drawing-faces-paper-53 http://mademistakes.com/mastering-paper/drawing-blank-faces
redirect 301 /articles/blend-first-look http://mademistakes.com/mastering-paper/pencil-first-look
redirect 301 /articles/contour-drawing http://mademistakes.com/mastering-paper/contour-drawing
redirect 301 /articles/remix-me http://mademistakes.com/mastering-paper/mix
redirect 301 /articles/pencil-53-review http://mademistakes.com/mastering-paper/pencil-53-review
redirect 301 /drawing-textures http://mademistakes.com/mastering-paper/drawing-textures
redirect 301 /blog/those-city-folk-in-animal-crossing-still-love-the-gossip
http://mademistakes.com/articles/animal-crossing-city-folk-impressions
redirect 301 /code-highlighting-post/ http://mademistakes.com/work/jekyll-themes