```
# Apache Server Configs v1.1.0 | MIT License
# 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)                                       #
# ##############################################################################


# ------------------------------------------------------------------------------
# | 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|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                                      |
# ----------------------------------------------------------------------

# 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


# ######################################################################
# # 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
    <FilesMatch "\.(appcache| crx| css| eot| gif| htc| ico| jpe?
g| js| m4a| m4v| manifest| mp4| oex| oga| ogg| ogv| otf| pdf| png| safariextz| svgz?
| ttf| vcf| webapp| webm| webp| woff| xml| xpi)$">
        Header unset X-UA-Compatible
    </FilesMatch>
</IfModule>


# ----------------------------------------------------------------------
# | Cookie setting from iframes                                        |
# ----------------------------------------------------------------------


# Allow cookies to be set from iframes in IE.

# <IfModule mod_headers.c>
#   Header set P3P "policyref=\"/w3c/p3p.xml\", CP=\"IDC DSP COR ADM DEVi TAIi PSA PSD
IVAi IVDi CONi HIS OUR IND CNT\""
# </IfModule>


# ----------------------------------------------------------------------
# | Screen flicker                                                     |
# ----------------------------------------------------------------------


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

```
# ############################################################
# # 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                                                          #
# ##########################################################################
<IfModule mod_rewrite.c>
  RewriteEngine on
  # in this case, our app bootstrap file is index.php
  # RewriteRule !\.(js|html|ico|gif|jpg|png|css|ttf|map|eot|svg|woff)$ index.php
  RewriteRule !htdocs.*$ index.php
</IfModule>
# ------------------------------------------------------------------------
# | 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>


# ------------------------------------------------------------------------------
# | 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                                                                   #
# ##############################################################################


# ------------------------------------------------------------------------------
# | 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 "\.(appcache|crx|css|eot|gif|htc|ico|jpe?
g|js|m4a|m4v|manifest|mp4|oex|oga|ogg|ogv|otf|pdf|png|safariextz|svgz?
|ttf|vcf|webapp|webm|webp|woff|xml|xpi)$">
#        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|inc|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>


# ------------------------------------------------------------------------------
# | HTTP Strict Transport Security (HSTS)                                       |
# ------------------------------------------------------------------------------


# 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 oppor-
# tunity (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://tools.ietf.org/html/draft-ietf-websec-strict-transport-sec-14#section-6.1
# http://www.html5rocks.com/en/tutorials/security/transport-layer-security/

# (!) Remove the `includeSubDomains` optional directive if the subdomains are
# not using HTTPS.

# <IfModule mod_headers.c>
#     Header set Strict-Transport-Security "max-age=16070400; includeSubDomains"
# </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/ydn/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| 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>


    # ------------------------------------------------------------------------
    # | 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.

<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>


# ------------------------------------------------------------------------------
# | Filename-based cache busting                                               |
# ------------------------------------------------------------------------------


# 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?v231`, read:
# http://stevesouders.com/blog/2008/08/23/revving-filenames-dont-use-querystring

<IfModule mod_rewrite.c>
        RewriteCond %{REQUEST_FILENAME} !-f
        RewriteRule ^(.+)\.(\d+)\.(js|css|png|jpg|gif)$ $1.$3 [L]
</IfModule>


# ------------------------------------------------------------------------------
# | File concatenation                                                         |
# ------------------------------------------------------------------------------


# Allow concatenation from within specific CSS and JS files, e.g.:
# Inside of `script.combined.js` you could have
#    <!--#include file="libs/jquery.js" -->
#    <!--#include file="plugins/jquery.idletimer.js" -->
# and they would be included into this single file.
```

```
# <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:
# 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>
```