```
# Apache Server Configs v2.7.1 | 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.

# ######################################################################
# # ERRORS                                                             #
# ######################################################################

# ----------------------------------------------------------------------
# | 404 error prevention                                               |
# ----------------------------------------------------------------------

# Disable the pattern matching based on filenames.

# This setting prevents Apache from returning a 404 error as the result
# of a rewrite when the 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                                      |
# ----------------------------------------------------------------------

# Customize what Apache returns to the client in case of an error.
# http://httpd.apache.org/docs/current/mod/core.html#errordocument

ErrorDocument 404 /404.html

# ######################################################################
# # MEDIA TYPES AND CHARACTER ENCODINGS                                #
# ######################################################################

# ----------------------------------------------------------------------
# | Media types                                                        |
# ----------
```

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

# Serve resources with the proper media types (formerly known as MIME types).
# http://www.iana.org/assignments/media-types/media-types.xhtml

<IfModule mod_mime.c>

  # Audio
    AddType audio/mp4                                   f4a f4b m4a
    AddType audio/ogg                                   oga ogg opus

  # Data interchange
    AddType application/json                            json map topojson
    AddType application/ld+json                         jsonld
    AddType application/vnd.geo+json                    geojson

  # JavaScript
    # Normalize to standard type.
    # http://tools.ietf.org/html/rfc4329#section-7.2
    AddType application/javascript                      js

  # Video
    AddType video/mp4                                   f4v f4p m4v mp4
    AddType video/ogg                                   ogv
    AddType video/webm                                  webm
    AddType video/x-flv                                 flv

  # Web fonts
    AddType application/font-woff                       woff
    AddType application/font-woff2                      woff2
    AddType application/vnd.ms-fontobject               eot

    # Browsers usually ignore the font media types and simply sniff
    # the bytes to figure out the font type.
    # http://mimesniff.spec.whatwg.org/#matching-a-font-type-pattern

    # Chrome however, shows a warning if any other media types are used
    # for the following two font types.

    AddType application/x-font-ttf                      ttc ttf
    AddType font/opentype                               otf
```

```
    AddType image/svg+xml                                svg svgz

  # Other
    AddType application/xml                              atom rdf rss xml
    AddType image/webp                                   webp
    AddType image/x-icon                                 cur ico

</IfModule>

# ----------------------------------------------------------------------
# | Character encodings                                                |
# ----------------------------------------------------------------------

# Set `UTF-8` as the character encoding for all resources served with
# the media type of `text/html` or `text/plain`.
AddDefaultCharset utf-8

# Set `UTF-8` as the character encoding for other certain resources.
<IfModule mod_mime.c>
  AddCharset utf-8 .atom .css .js .json .rss .xml
</IfModule>

# ######################################################################
# # URL REWRITES                                                       #
# ######################################################################

# ----------------------------------------------------------------------
# | Rewrite engine                                                     |
# ----------------------------------------------------------------------

# (1) Turn on the rewrite engine
#     (this is necessary in order for the `RewriteRule` directives to work).
#     http://httpd.apache.org/docs/current/mod/mod_rewrite.html#RewriteEngine
#
# (2) Some cloud hosting services will also require `RewriteBase` to be set.
#     http://www.rackspace.com/knowledge_center/frequently-asked-question/why-is-
modrewrite-not-working-on-my-site

<IfModule mod_rewrite.c>
  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), and 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 would 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>

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

# ----------------------------------------------------------------------
# | File access                                                        |
# ----------------------------------------------------------------------

# Block access to directories without a default document.

# You should leave the following uncommented, as you shouldn't allow anyone to
```

```
# surf through every directory on your server (which may includes rather private
# places such as the CMS's directories).

<IfModule mod_autoindex.c>
    Options -Indexes
</IfModule>

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

# Block access to all hidden files and directories with the exception of the
# visible content from within the `/.well-known/` hidden directory.

# These types of files usually contain user preferences or the preserved state
# of an utility, and can include rather private places like, for example, the
# `.git` or `.svn` directories.

# The `/.well-known/` directory represents the standard (RFC 5785) path prefix
# for "well-known locations" (e.g.: `/.well-known/manifest.json`,
# `/.well-known/keybase.txt`), and therefore, access to its visible content
# should not be blocked.

# https://www.mnot.net/blog/2010/04/07/well-known
# http://tools.ietf.org/html/rfc5785

<IfModule mod_rewrite.c>
    RewriteCond %{REQUEST_URI} "!(^|/)\.well-known/([^./]+./?)+$" [NC]
    RewriteCond %{SCRIPT_FILENAME} -d [OR]
    RewriteCond %{SCRIPT_FILENAME} -f
    RewriteRule "(^|/)\." - [F]
</IfModule>

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

# Block access to files that can expose sensitive information.

# By default, block access to backup and source files that may be left by some
# text editors and can pose a security risk when anyone has access to them.
# http://feross.org/cmsploit/

# IMPORTANT: Update the `<FilesMatch>` regular expression from below to include
# any files that might end up on your production server and can expose sensitive
```

```
# information about your website. These files may include: configuration files,
# files that contain metadata about the project (e.g.: project dependencies),
# build scripts, etc..

<FilesMatch "(^#.*#|\.(bak|conf|dist|fla|in[ci]|log|psd|sh|sql|sw[op])|~)$">

    # Apache < 2.3
    <IfModule !mod_authz_core.c>
        Order allow,deny
        Deny from all
        Satisfy All
    </IfModule>

    # Apache ≥ 2.3
    <IfModule mod_authz_core.c>
        Require all denied
    </IfModule>

</FilesMatch>

# ######################################################################
# # WEB PERFORMANCE                                                    #
# ######################################################################

# ----------------------------------------------------------------------
# | Compression                                                        |
# ----------------------------------------------------------------------

<IfModule mod_deflate.c>

    # Force compression for mangled headers.
    # https://developer.yahoo.com/blogs/ydn/pushing-beyond-gzipping-25601.html

    <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>
```

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

# Mark certain resources as been compressed in order to:
#
#  1) prevent Apache from recompressing them
#  2) ensure that they are served with the correct
#     `Content-Encoding` HTTP response header

<IfModule mod_mime.c>
    AddEncoding gzip              svgz
</IfModule>

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

# Compress all output labeled with one of the following media types.

# IMPORTANT: For Apache versions below 2.3.7 you don't need to enable
# `mod_filter` and can remove the `<IfModule mod_filter.c>` & `</IfModule>`
# lines as `AddOutputFilterByType` is still in the core directives.

<IfModule mod_filter.c>
    AddOutputFilterByType DEFLATE "application/atom+xml" \
                                  "application/javascript" \
                                  "application/json" \
                                  "application/ld+json" \
                                  "application/manifest+json" \
                                  "application/rss+xml" \
                                  "application/vnd.geo+json" \
                                  "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/cache-manifest" \
                                  "text/css" \
                                  "text/html" \
                                  "text/plain" \
                                  "text/vtt" \
```

```
                                        "text/x-component" \
                                        "text/xml"
    </IfModule>

</IfModule>

# ----------------------------------------------------------------------
# | Content transformation                                             |
# ----------------------------------------------------------------------

# Prevent mobile network providers from modifying the website's content.
# http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.9.5.

# <IfModule mod_headers.c>
#     Header merge Cache-Control "no-transform"
# </IfModule>

# ----------------------------------------------------------------------
# | ETags                                                              |
# ----------------------------------------------------------------------

# Remove `ETags` as resources are sent with far-future expires headers.
# https://developer.yahoo.com/performance/rules.html#etags

# `FileETag None` doesn't work in all cases.
<IfModule mod_headers.c>
    Header unset ETag
</IfModule>

FileETag None

# ----------------------------------------------------------------------
# | Expires headers                                                    |
# ----------------------------------------------------------------------

# Serve resources with far-future expires headers.

# IMPORTANT: If you don't control versioning with filename-based cache
# busting, consider lowering the cache times to something like one week.

<IfModule mod_expires.c>
```

```
<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/ld+json                   "access plus 0 seconds"
  #   ExpiresByType application/vnd.geo+json              "access plus 0 seconds"
  #   ExpiresByType application/xml                       "access plus 0 seconds"
  #   ExpiresByType text/xml                              "access plus 0 seconds"
  #
  # # Favicon (cannot be renamed!) and cursor images
  #   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/manifest+json             "access plus 1 year"
  #   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
```

```
  # # 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/font-woff2              "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>

<IfModule mod_headers.c>
    Header append Cache-Control "public"
</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://www.stevesouders.com/blog/2008/08/23/revving-filenames-dont-use-querystring/

# <IfModule mod_rewrite.c>
#     RewriteCond %{REQUEST_FILENAME} !-f
#     RewriteRule ^(.+)\.(\d+)\.(css|curl|gif|ico|jpe?g|js|png|svgz?|webp)$ $1.$3 [L]
# </IfModule>
```