```
DirectoryIndex index.html

# Apache Server Configs v2.14.0 | MIT License
# https://github.com/h5bp/server-configs-apache

# (!) Using `.htaccess` files slows down Apache, therefore, if you have
# access to the main server configuration file (which is usually called
# `httpd.conf`), you should add this logic there.
#
# https://httpd.apache.org/docs/current/howto/htaccess.html.


# ----------------------------------------------------------------------
# | Cross-origin images                                                 |
# ----------------------------------------------------------------------

# Send the CORS header for images when browsers request it.

<IfModule mod_setenvif.c>
    <IfModule mod_headers.c>
        <FilesMatch "\.(bmp|cur|gif|ico|jpe?g|png|svgz?|webp)$">
            SetEnvIf Origin ":" IS_CORS
            Header set Access-Control-Allow-Origin "*" env=IS_CORS
        </FilesMatch>
    </IfModule>
</IfModule>


# ----------------------------------------------------------------------
# | Cross-origin web fonts                                              |
# ----------------------------------------------------------------------

# Allow cross-origin access to web fonts.

<IfModule mod_headers.c>
    <FilesMatch "\.(eot|otf|tt[cf]|woff2?)$">
        Header set Access-Control-Allow-Origin "*"
    </FilesMatch>
</IfModule>


# ######################################################################
# # ERRORS                                                             #
# ######################################################################
```

```
# ##############################################################################

# Customize what Apache returns to the client in case of an error.
ErrorDocument 404 /404/


# Disable the pattern matching based on filenames.
Options -MultiViews


# ----------------------------------------------------------------------
# | Document modes                                                      |
# ----------------------------------------------------------------------


# Force Internet Explorer 8/9/10 to render pages in the highest mode
# available in the various cases when it may not.

<IfModule mod_headers.c>

    Header set X-UA-Compatible "IE=edge"

    # `mod_headers` cannot match based on the content-type, however,
    # the `X-UA-Compatible` response header should be send only for
    # HTML documents and not for the other resources.

    <FilesMatch "\.
(appcache| atom| bbaw| bmp| crx| css| cur| eot| f4[abpv]| flv| geojson| gif| htc| ico| jpe?
g| js| json(ld)?
| m4[av]| manifest| map| mp4| oex| og[agv]| opus| otf| pdf| png| rdf| rss| safariextz| svgz?
| swf| topojson| tt[cf]| txt| vcard| vcf| vtt| webapp| web[mp]| webmanifest| woff2?| xloc| xml| xpi)$">
        Header unset X-UA-Compatible
    </FilesMatch>

</IfModule>

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


# Serve resources with the proper media types (f.k.a. MIME types).
#
# https://www.iana.org/assignments/media-types/media-types.xhtml
# https://httpd.apache.org/docs/current/mod/mod_mime.html#addtype
```

```
<IfModule mod_mime.c>

  # Data interchange

    AddType application/atom+xml              atom
    AddType application/json                  json map topojson
    AddType application/ld+json               jsonld
    AddType application/rss+xml               rss
    AddType application/vnd.geo+json          geojson
    AddType application/xml                   rdf xml

  # JavaScript

    # Normalize to standard type.
    # https://tools.ietf.org/html/rfc4329#section-7.2

    AddType application/javascript            js

  # Manifest files

    AddType application/manifest+json         webmanifest
    AddType application/x-web-app-manifest+json  webapp
    AddType text/cache-manifest               appcache

  # Media files

    AddType audio/mp4                         f4a f4b m4a
    AddType audio/ogg                         oga ogg opus
    AddType image/bmp                         bmp
    AddType image/svg+xml                     svg svgz
    AddType image/webp                        webp
    AddType video/mp4                         f4v f4p m4v mp4
    AddType video/ogg                         ogv
    AddType video/webm                        webm
    AddType video/x-flv                       flv

    # Serving `.ico` image files with a different media type
    # prevents Internet Explorer from displaying then as images:
    # https://github.com/h5bp/html5-
boilerplate/commit/37b5fec090d00f38de64b591bcddcb205aadf8ee
```

```
    AddType image/x-icon                                    cur ico

  # 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.
    # https://mimesniff.spec.whatwg.org/#matching-a-font-type-pattern
    #
    # However, Blink and WebKit based browsers will show a warning
    # in the console if the following font types are served with any
    # other media types.

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

  # Other

    AddType application/octet-stream                        safariextz
    AddType application/x-bb-appworld                       bbaw
    AddType application/x-chrome-extension                  crx
    AddType application/x-opera-extension                   oex
    AddType application/x-xpinstall                         xpi
    AddType text/vcard                                      vcard vcf
    AddType text/vnd.rim.location.xloc                      xloc
    AddType text/vtt                                        vtt
    AddType text/x-component                                htc


</IfModule>


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


AddDefaultCharset utf-8


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

```apache
# Serve the following file types with the media type `charset`
# parameter set to `UTF-8`.
#
# https://httpd.apache.org/docs/current/mod/mod_mime.html#addcharset

<IfModule mod_mime.c>
    AddCharset utf-8 .atom \
                     .bbaw \
                     .css \
                     .geojson \
                     .js \
                     .json \
                     .jsonld \
                     .manifest \
                     .rdf \
                     .rss \
                     .topojson \
                     .vtt \
                     .webapp \
                     .webmanifest \
                     .xloc \
                     .xml
</IfModule>


# ######################################################################
# # REWRITES                                                           #
# ######################################################################


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

# (1) Turn on the rewrite engine (this is necessary in order for
#     the `RewriteRule` directives to work).
#
#     https://httpd.apache.org/docs/current/mod/mod_rewrite.html#RewriteEngine
#
# (2) Enable the `FollowSymLinks` option if it isn't already.
#
#     https://httpd.apache.org/docs/current/mod/core.html#options
```

```
#
# (3) If your web host doesn't allow the `FollowSymlinks` option,
#     you need to comment it out or remove it, and then uncomment
#     the `Options +SymLinksIfOwnerMatch` line (4), but be aware
#     of the performance impact.
#
#     https://httpd.apache.org/docs/current/misc/perf-tuning.html#symlinks
#
# (4) Some cloud hosting services will require you set `RewriteBase`.
#
#     https://www.rackspace.com/knowledge_center/frequently-asked-question/why-is-
modrewrite-not-working-on-my-site
#     https://httpd.apache.org/docs/current/mod/mod_rewrite.html#rewritebase
#
# (5) Depending on how your server is set up, you may also need to
#     use the `RewriteOptions` directive to enable some options for
#     the rewrite engine.
#
#     https://httpd.apache.org/docs/current/mod/mod_rewrite.html#rewriteoptions
#
# (6) Set %{ENV:PROTO} variable, to allow rewrites to redirect with the
#     appropriate schema automatically (http or https).

<IfModule mod_rewrite.c>

    # (1)
    RewriteEngine On

    # (2)
    # Options +FollowSymlinks

    # (3)
    # Options +SymLinksIfOwnerMatch

    # (4)
    # RewriteBase /

    # (5)
    # RewriteOptions <options>

    # (6)
```

```apache
    RewriteCond %{HTTPS} =on
    RewriteRule ^ - [env=proto:https]
    RewriteCond %{HTTPS} !=on
    RewriteRule ^ - [env=proto:http]

</IfModule>

# Rewrite www.example.com -> example.com

<IfModule mod_rewrite.c>
    RewriteEngine On
    RewriteCond %{HTTPS} !=on
    RewriteCond %{HTTP_HOST} ^www\.(.+)$ [NC]
    RewriteRule ^ %{ENV:PROTO}://%1%{REQUEST_URI} [R=301,L]
</IfModule>


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

# Block access to directories without a default document.

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

# Block access to files that can expose sensitive information.

<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>


# ------------------------------------------------------------------------
# | Reducing MIME type security risks                                    |
# ------------------------------------------------------------------------

<IfModule mod_headers.c>
    Header set X-Content-Type-Options "nosniff"
</IfModule>


# ------------------------------------------------------------------------
# | Server-side technology information                                   |
# ------------------------------------------------------------------------

<IfModule mod_headers.c>
    Header unset X-Powered-By
</IfModule>

ServerSignature Off


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

<IfModule mod_deflate.c>

    # Force compression for mangled `Accept-Encoding` request 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>


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

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

```apache
#
# (!) For Apache versions below version 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.
#
# https://httpd.apache.org/docs/current/mod/mod_filter.html#addoutputfilterbytype

<IfModule mod_filter.c>
    AddOutputFilterByType DEFLATE "application/atom+xml" \
                                  "application/javascript" \
                                  "application/json" \
                                  "application/ld+json" \
                                  "application/manifest+json" \
                                  "application/rdf+xml" \
                                  "application/rss+xml" \
                                  "application/schema+json" \
                                  "application/vnd.geo+json" \
                                  "application/vnd.ms-fontobject" \
                                  "application/x-font-ttf" \
                                  "application/x-javascript" \
                                  "application/x-web-app-manifest+json" \
                                  "application/xhtml+xml" \
                                  "application/xml" \
                                  "font/eot" \
                                  "font/opentype" \
                                  "image/bmp" \
                                  "image/svg+xml" \
                                  "image/vnd.microsoft.icon" \
                                  "image/x-icon" \
                                  "text/cache-manifest" \
                                  "text/css" \
                                  "text/html" \
                                  "text/javascript" \
                                  "text/plain" \
                                  "text/vcard" \
                                  "text/vnd.rim.location.xloc" \
                                  "text/vtt" \
                                  "text/x-component" \
                                  "text/x-cross-domain-policy" \
                                  "text/xml"
```

```
    </IfModule>


    # Map the following filename extensions to the specified
    # encoding type in order to make Apache serve the file types
    # with the appropriate `Content-Encoding` response header
    # (do note that this will NOT make Apache compress them!).
    #
    # If these files types would be served without an appropriate
    # `Content-Enable` response header, client applications (e.g.:
    # browsers) wouldn't know that they first need to uncompress
    # the response, and thus, wouldn't be able to understand the
    # content.
    #
    # https://httpd.apache.org/docs/current/mod/mod_mime.html#addencoding

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

</IfModule>


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

# Remove `ETags` as resources are sent with far-future expires headers.
<IfModule mod_headers.c>
    Header unset ETag
</IfModule>

FileETag None


# ------------------------------------------------------------------
# | Expires headers                                                |
# ------------------------------------------------------------------
<IfModule mod_expires.c>

    ExpiresActive on
    ExpiresDefault                              "access plus 1 month"
```

```
# CSS

    ExpiresByType text/css                            "access plus 1 year"

# Data interchange

    ExpiresByType application/atom+xml                "access plus 1 hour"
    ExpiresByType application/rdf+xml                 "access plus 1 hour"
    ExpiresByType application/rss+xml                 "access plus 1 hour"

    ExpiresByType application/json                    "access plus 0 seconds"
    ExpiresByType application/ld+json                 "access plus 0 seconds"
    ExpiresByType application/schema+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/vnd.microsoft.icon            "access plus 1 week"
    ExpiresByType image/x-icon                        "access plus 1 week"

# HTML

    ExpiresByType text/html                           "access plus 0 seconds"

# JavaScript

    ExpiresByType application/javascript              "access plus 1 year"
    ExpiresByType application/x-javascript            "access plus 1 year"
    ExpiresByType text/javascript                     "access plus 1 year"

# Manifest files

    ExpiresByType application/manifest+json           "access plus 1 week"
    ExpiresByType application/x-web-app-manifest+json "access plus 0 seconds"
    ExpiresByType text/cache-manifest                 "access plus 0 seconds"

# Media files
```

```
    ExpiresByType audio/ogg                          "access plus 1 month"
    ExpiresByType image/bmp                          "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 image/svg+xml                      "access plus 1 month"
    ExpiresByType image/webp                         "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 fonts

    # Embedded OpenType (EOT)
    ExpiresByType application/vnd.ms-fontobject      "access plus 1 month"
    ExpiresByType font/eot                           "access plus 1 month"


    # OpenType
    ExpiresByType font/opentype                      "access plus 1 month"


    # TrueType
    ExpiresByType application/x-font-ttf             "access plus 1 month"


    # Web Open Font Format (WOFF) 1.0
    ExpiresByType application/font-woff              "access plus 1 month"
    ExpiresByType application/x-font-woff            "access plus 1 month"
    ExpiresByType font/woff                          "access plus 1 month"


    # Web Open Font Format (WOFF) 2.0
    ExpiresByType application/font-woff2             "access plus 1 month"

  # Other

    ExpiresByType text/x-cross-domain-policy         "access plus 1 week"


</IfModule>
```