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


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

# Send the CORS header for images when browsers request it.
#
# https://developer.mozilla.org/en-US/docs/Web/HTML/CORS_enabled_image
# https://blog.chromium.org/2011/07/using-cross-domain-images-in-webgl-and.html

<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>
```

```
    </FilesMatch>
</IfModule>


# ----------------------------------------------------------------------
# | 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.
#
# https://httpd.apache.org/docs/current/content-negotiation.html#multiviews

Options -MultiViews


# ######################################################################
# # INTERNET EXPLORER                                                  #
# ######################################################################


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

# Force Internet Explorer 8/9/10 to render pages in the highest mode
# available in the various cases when it may not.
#
# https://hsivonen.fi/doctype/#ie8
#
# (!) Starting with Internet Explorer 11, document modes are deprecated.
# If your business still relies on older web apps and services that were
# designed for older versions of Internet Explorer, you might want to
# consider enabling `Enterprise Mode` throughout your company.
#
# https://msdn.microsoft.com/en-us/library/ie/bg182625.aspx#docmode
# http://blogs.msdn.com/b/ie/archive/2014/04/02/stay-up-to-date-with-enterprise-mode-for-
# internet-explorer-11.aspx


<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 AND CHARACTER ENCODINGS                                        #
# ##############################################################################


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


# Serve all resources labeled as `text/html` or `text/plain`
# with the media type `charset` parameter set to `UTF-8`.
#
# https://httpd.apache.org/docs/current/mod/core.html#adddefaultcharset

AddDefaultCharset utf-8

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

# 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 \
```

```apache
                            .css \
                            .geojson \
                            .js \
                            .json \
                            .jsonld \
                            .manifest \
                            .rdf \
                            .rss \
                            .topojson \
                            .vtt \
                            .webapp \
                            .webmanifest \
                            .xloc \
                            .xml
</IfModule>


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


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

<IfModule mod_rewrite.c>
    Options +FollowSymlinks
    RewriteEngine On
</IfModule>

<IfModule mod_rewrite.c>
    RewriteCond %{REQUEST_URI} ^/(admin)
    RewriteRule ^admin/assets/(.*)$ backend/web/assets/$1 [L]
    RewriteRule ^admin/css/(.*)$ backend/web/css/$1 [L]

    RewriteCond %{REQUEST_URI} !^/backend/web/(assets|css)/
    RewriteCond %{REQUEST_URI} ^/(admin)
    RewriteRule ^.*$ backend/web/index.php [L]

    RewriteCond %{REQUEST_URI} ^/(assets|css|js|images)
    RewriteRule ^assets/(.*)$ frontend/web/assets/$1 [L]
    RewriteRule ^css/(.*)$ frontend/web/css/$1 [L]
```

```
    RewriteRule ^js/(.*)$ frontend/web/js/$1 [L]
    RewriteRule ^images/(.*)$ frontend/web/images/$1 [L]
    RewriteRule ^(.*)$ frontend/web/$1 [L]


    RewriteCond %{REQUEST_URI} !^/(frontend|backend)/web/(assets|css|js)/
    RewriteCond %{REQUEST_URI} !index.php
    RewriteCond %{REQUEST_FILENAME} !-f [OR]
    RewriteCond %{REQUEST_FILENAME} !-d
    RewriteRule ^.*$ frontend/web/index.php
</IfModule>


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


# Prevent some browsers from MIME-sniffing the response.
#
# This reduces exposure to drive-by download attacks and cross-origin
# data leaks, and should be left uncommented, especially if the server
# is serving user-uploaded content or content that could potentially be
# treated as executable by the browser.
#
# http://www.slideshare.net/hasegawayosuke/owasp-hasegawa
# http://blogs.msdn.com/b/ie/archive/2008/07/02/ie8-security-part-v-comprehensive-
protection.aspx
# https://msdn.microsoft.com/en-us/library/ie/gg622941.aspx
# https://mimesniff.spec.whatwg.org/

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


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


# Remove the `X-Powered-By` response header that:
#
#  * is set by some frameworks and server-side languages
#    (e.g.: ASP.NET, PHP), and its value contains information
#    about them (e.g.: their name, version number)
```

```
#
#  * doesn't provide any value as far as users are concern,
#    and in some cases, the information provided by it can
#    be used by attackers
#
# (!) If you can, you should disable the `X-Powered-By` header from the
# language / framework level (e.g.: for PHP, you can do that by setting
# `expose_php = off` in `php.ini`)
#
# https://php.net/manual/en/ini.core.php#ini.expose-php

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


# ----------------------------------------------------------------------
# | Server software information                                        |
# ----------------------------------------------------------------------


# Prevent Apache from adding a trailing footer line containing
# information about the server to the server-generated documents
# (e.g.: error messages, directory listings, etc.)
#
# https://httpd.apache.org/docs/current/mod/core.html#serversignature

ServerSignature Off


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


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


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


<IfModule mod_deflate.c>

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

```apache
# http://www.iscpmp.g/nicer.com/2.org/goin/packing-begins-gzipping-2007.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.
#
# (!) 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/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.
#
# https://developer.yahoo.com/performance/rules.html#etags
# https://tools.ietf.org/html/rfc7232#section-2.3

# `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.
#
# (!) If you don't control versioning with filename-based
# cache busting, you should consider lowering the cache times
# to something like one week.
#
# https://httpd.apache.org/docs/current/mod/mod_expires.html

<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>
```