

```

# 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|curl|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>

```

```
</filesnatch>
</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 "\.
(appache|atom|bbaw|bml|crl|css|curl|eot|f4[abpv]|flv|geojson|gif|htc|ico|jpe?
|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 them 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 \  
              .
```

```
.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/udn/push-na-beyond-azi-pai-na-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.
#
# (!) 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 `ETag` response header with the following code block
```

```
# 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/javascript "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>