

## 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|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>
</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|curl|eot|f4[abpv]|flv|geojson|gif|htcl|icol|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?|xlcl|xsl|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 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 |  
# -----
```

```
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 |
# -----

# (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)
```

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

<IfModule mod\_rewrite.c>

```
RewriteEngine On
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.*

```
<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/ymn/pushing-beyond-gzipping-25601.html
```



```

<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase ^(\Accept-Encoding|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" \

```

```
    <IfModule !mod_deflate.c>
        "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>
```

```
</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 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>`