

```
#hide .git directory
```

```
RedirectMatch 404 /\.git
```

```
# 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 requests |
```

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

```
# Allow cross-origin requests.
```

```
#
```

```
# https://developer.mozilla.org/en-US/docs/Web/HTTP/Access\_control\_CORS
```

```
# http://enable-cors.org/
```

```
# http://www.w3.org/TR/cors/
```

```
# <IfModule mod_headers.c>
```

```
#   Header set Access-Control-Allow-Origin "*"
```

```
# </IfModule>
```

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

```
# | 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>
```

```

<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>

# -----
# | Cross-origin resource timing |
# -----

# Allow cross-origin access to the timing information for all resources.
#
# If a resource isn't served with a `Timing-Allow-Origin` header that
# would allow its timing information to be shared with the document,
# some of the attributes of the `PerformanceResourceTiming` object will
# be set to zero.
#
# http://www.w3.org/TR/resource-timing/
# http://www.stevesouders.com/blog/2014/08/21/resource-timing-practical-tips/

# <IfModule mod_headers.c>
#     Header set Timing-Allow-Origin: "*"
# </IfModule>

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

```

```
# -----  
# | Custom error messages/pages |  
# -----
```

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

```
ErrorDocument 404 /404.html
```

```
# -----  
# | 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|curl|eot|f4[abpv]|flv|geojson|gif|htc|ico|jpe?
```

```
g|j|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|xsl|xpi)$">
```

```
Header unset X-UA-Compatible
```

```
</FilesMatch>
```

```
</IfModule>
```

```
# -----
# | Iframes cookies |
# -----
```

```
# Allow cookies to be set from iframes in Internet Explorer.
```

```
#
```

```
# https://msdn.microsoft.com/en-us/library/ms537343.aspx
```

```
# http://www.w3.org/TR/2000/CR-P3P-20001215/
```

```
# <IfModule mod_headers.c>
```

```
# Header set P3P "policyref=\"/w3c/p3p.xml\", CP=\"IDC DSP COR ADM DEVI TAIi PSA PSD  
IVAI IVDi CONi HIS OUR IND CNT\""
```

```
# </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 |
# -----

# (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>

```
# -----
# | 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`.
#
# (!) NEVER USE BOTH RULES AT THE SAME TIME!

# -----

# Option 1: 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>

# -----

# -----
# | 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 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/cmsexploit/
#
# (!) 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>

# -----
# | 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
```

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

```
# -----
# | 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>

# BEGIN W3TC Browser Cache
<IfModule mod_deflate.c>
  <IfModule mod_headers.c>
    Header append Vary User-Agent env=!dont-vary
  </IfModule>
  AddOutputFilterByType DEFLATE text/css text/x-component application/x-javascript
application/javascript text/javascript text/x-js text/html text/richtext image/svg+xml
text/plain text/xsd text/xsl text/xml image/x-icon application/json
  <IfModule mod_mime.c>
    # DEFLATE by extension
    AddOutputFilter DEFLATE js css htm html xml
  </IfModule>
</IfModule>

# END W3TC Browser Cache
# BEGIN W3TC Page Cache core
<IfModule mod_rewrite.c>
  RewriteEngine On
  RewriteBase /
  RewriteCond %{HTTP:Accept-Encoding} gzip

```

```

RewriteRule .* - [E=W3TC_ENC:_gzip]
RewriteCond %{HTTP_COOKIE} w3tc_preview [NC]
RewriteRule .* - [E=W3TC_PREVIEW:_preview]
RewriteCond %{REQUEST_METHOD} !=POST
RewriteCond %{QUERY_STRING} =""
RewriteCond %{REQUEST_URI} \/$
RewriteCond %{HTTP_COOKIE} !(comment_author|wp\-
postpass|w3tc_logged_out|wordpress_logged_in|wptouch_switch_toggle) [NC]
RewriteCond "%{DOCUMENT_ROOT}/wp-content/cache/page_enhanced/%{HTTP_HOST}/%
{REQUEST_URI}/_index%{ENV: W3TC_PREVIEW}.html%{ENV: W3TC_ENC}" -f
RewriteRule .* "/wp-content/cache/page_enhanced/%{HTTP_HOST}/%{REQUEST_URI}/_index%
{ENV: W3TC_PREVIEW}.html%{ENV: W3TC_ENC}" [L]
</IfModule>
# END W3TC Page Cache core
# BEGIN WordPress
<IfModule mod_rewrite.c>
RewriteEngine On
RewriteBase /
RewriteRule ^index\.php$ - [L]
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule . /index.php [L]
</IfModule>

# END WordPress

```