

Apache configuration file

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

*# -----
Turn on Apache Server-side includes (SSI) for all html files
-----*

```
Options +IncludesNOEXEC
AddHandler server-parsed .html
AddType text/html .html
AddOutputFilter INCLUDES .html
```

*# -----
Better website experience for IE users
-----*

*# Force the latest IE version, in various cases when it may fall back to IE7 mode
github.com/rails/rails/commit/123eb25#commitcomment-118920
Use ChromeFrame if it's installed for a better experience for the poor IE folk*

```
<IfModule mod_headers.c>
  Header set X-UA-Compatible "IE=Edge"
  # mod_headers can't match by content-type, but we don't want to send this header on *every*
  <FilesMatch "\.(appcache|crx|css|eot|gif|html|ico|jpe?
gl|js|m4a|m4v|manifest|mp4|oex|ogal|oggl|ogv|otf|pdf|png|safariextz|svg|svgz|ttf|vcf|webapp|wet
  Header unset X-UA-Compatible
</FilesMatch>
</IfModule>
```

*# -----
Cross-domain AJAX requests
-----*

*# Serve cross-domain Ajax requests, disabled by default.
enable-cors.org
code.google.com/p/html5security/wiki/CrossOriginRequestSecurity*

</ServedBy mod_headers.c>

```

<IfModule mod_headers.c>
    Header set Access-Control-Allow-Origin "*"
</IfModule>

# -----
# CORS-enabled images (@crossorigin)
# -----

# Send CORS headers if browsers request them; enabled by default for images.
# developer.mozilla.org/en/CORS_Enabled_Image
# blog.chromium.org/2011/07/using-cross-domain-images-in-webgl-and.html
# hacks.mozilla.org/2011/11/using-cors-to-load-webgl-textures-from-cross-domain-images/
# wiki.mozilla.org/Security/Reviews/crossoriginAttribute

<IfModule mod_setenvif.c>
    <IfModule mod_headers.c>
        # mod_headers, y u no match by Content-Type?!
        <FilesMatch "\.(gif|ico|jpe?g|png|svg|svgz|webp)$">
            SetEnvIf Origin ":" IS_CORS
            Header set Access-Control-Allow-Origin "*" env=IS_CORS
        </FilesMatch>
    </IfModule>
</IfModule>

# -----
# Webfont access
# -----

# Allow access from all domains for webfonts.
# Alternatively you could only whitelist your
# subdomains like "subdomain.example.com".

<IfModule mod_headers.c>
    <FilesMatch "\.(eot|font.css|otf|ttf|woff)$">
        Header set Access-Control-Allow-Origin "*"
    </FilesMatch>
</IfModule>

# -----
# Proper MIME type for all files
# -----

```

```

# JavaScript
#   Normalize to standard type (it's sniffed in IE anyways)
#   tools.ietf.org/html/rfc4329#section-7.2
AddType application/javascript      js jsonp
AddType application/json            json

# Audio
AddType audio/mp4                   m4a f4a f4b
AddType audio/ogg                   oga ogg
AddType audio/mpeg                  mpga mp2 mp2a mp3 m2a m3a

# Video
AddType video/mp4                   mp4 m4v f4v f4p
AddType video/ogg                   ogv
AddType video/webm                  webm
AddType video/x-flv                 flv

# SVG
#   Required for svg webfonts on iPad
#   twitter.com/FontSquirrel/status/14855840545
AddType    image/svg+xml            svg svgz
AddEncoding gzip                    svgz

# Webfonts
AddType application/vnd.ms-fontobject eot
AddType application/x-font-ttf        ttf ttc
AddType application/x-font-woff       woff
AddType font/opentype                 otf

# Assorted types
AddType application/octet-stream      safariextz
AddType application/x-chrome-extension crx
AddType application/x-opera-extension oex
AddType application/x-shockwave-flash swf
AddType application/x-web-app-manifest+json webapp
AddType application/x-xpinstall        xpi
AddType application/xml                rss atom xml rdf
AddType image/webp                     webp
AddType image/x-icon                   ico
AddType text/cache-manifest            appcache manifest

```

```
AddType text/vtt vtt
AddType text/x-component htc
AddType text/x-vcard vcf
```

```
# -----
# Gzip compression
# -----
```

```
<IfModule mod_deflate.c>
```

```
    # Force deflate for mangled headers developer.yahoo.com/blogs/ym/post/2010/12/pushing-b
```

```
    <IfModule mod_setenvif.c>
```

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

```
            SetEnvIfNoCase ^(\Accept-Encoding|X-cept-Encoding|X(15)|^(15)|-(15))$ ^((gzip|deflate)\
```

```
HAVE_Accept-Encoding
```

```
            RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
```

```
        </IfModule>
```

```
    </IfModule>
```

```
    # Compress all output labeled with one of the following MIME-types
```

```
    # (for Apache versions below 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)
```

```
    <IfModule mod_filter.c>
```

```
        AddOutputFilterByType DEFLATE application/atom+xml \
            application/javascript \
            application/json \
            application/rss+xml \
            application/vnd.ms-fontobject \
            application/x-font-ttf \
            application/xhtml+xml \
            application/xml \
            font/opentype \
            image/svg+xml \
            image/x-icon \
            text/css \
            text/html \
            text/plain \
            text/x-component \
            text/xml
```

```
    </IfModule>
```

```
</IfModule>
```

```
# -----  
# Expires headers (for better cache control)  
# -----  
  
# These are pretty far-future expires headers.  
# They assume you control versioning with filename-based cache busting  
# Additionally, consider that outdated proxies may miscache  
# www.stevesouders.com/blog/2008/08/23/revving-filenames-dont-use-querystring/  
  
# If you don't use filenames to version, lower the CSS and JS to something like  
# "access plus 1 week".
```

```
<IfModule mod_expires.c>
```

```
ExpiresActive on
```

```
# Perhaps better to whitelist expires rules? Perhaps.
```

```
ExpiresDefault "access plus 1 month"
```

```
# cache, apcache needs re-requests in FF 3.6 (thanks Remy "Introducing HTML5")
```

```
ExpiresByType text/cache-manifest "access plus 0 seconds"
```

```
# Your document html
```

```
ExpiresByType text/html "access plus 30 seconds"
```

```
# Data
```

```
ExpiresByType application/json "access plus 0 seconds"
```

```
ExpiresByType application/xml "access plus 0 seconds"
```

```
ExpiresByType text/xml "access plus 0 seconds"
```

```
# Feed
```

```
ExpiresByType application/atom+xml "access plus 1 hour"
```

```
ExpiresByType application/rss+xml "access plus 1 hour"
```

```
# Favicon (cannot be renamed)
```

```
ExpiresByType image/x-icon "access plus 1 week"
```

```
# Media: images, video, audio
```

```
ExpiresByType audio/ogg "access plus 1 year"
```

```

ExpiresByType image/gif                "access plus 1 year"
ExpiresByType image/jpeg                "access plus 1 year"
ExpiresByType image/png                 "access plus 1 year"
ExpiresByType video/mp4                 "access plus 1 year"
ExpiresByType video/ogg                 "access plus 1 year"
ExpiresByType video/webm                "access plus 1 year"

# HTC files (css3pie)
ExpiresByType text/x-component          "access plus 1 month"

# Webfonts
ExpiresByType application/vnd.ms-fontobject "access plus 1 year"
ExpiresByType application/x-font-ttf        "access plus 1 year"
ExpiresByType application/x-font-woff       "access plus 1 year"
ExpiresByType font/opentype                "access plus 1 year"
ExpiresByType image/svg+xml               "access plus 1 year"

# CSS and JavaScript
ExpiresByType application/javascript       "access plus 1 year"
ExpiresByType text/css                     "access plus 1 year"

</IfModule>

# -----
# Cache-Control headers
# -----

# add public to all images

<IfModule mod_headers.c>
    <FilesMatch ".(ico|pdf|flv|jpg|jpeg|png|gif|js|css|swf)$">
        Header append Cache-Control "public"
    </FilesMatch>
</IfModule>

# add public to fonts
<IfModule mod_headers.c>
    <FilesMatch "\.(eot|font. css|otf|ttf|woff)$">
        Header append Cache-Control "public"
    </FilesMatch>
</IfModule>

```

```

# -----
# Prevent mobile network providers from modifying your site
# -----

# The following header prevents modification of your code over 3G on some
# European providers.
# This is the official 'bypass' suggested by O2 in the UK.

# <IfModule mod_headers.c>
# Header set Cache-Control "no-transform"
# </IfModule>

# -----
# ETag removal
# -----

# FileETag None is not enough for every server.
<IfModule mod_headers.c>
    Header unset ETag
</IfModule>

# Since we're sending far-future expires, we don't need ETags for
# static content.
# developer.yahoo.com/performance/rules.html#etags
FileETag None

# -----
# Stop screen flicker in IE on CSS rollovers
# -----

# The following directives stop screen flicker in IE on CSS rollovers - in
# combination with the "ExpiresByType" rules for images (see above).

BrowserMatch "MSIE" brokenvary=1
BrowserMatch "Mozilla/4.[0-9]{2}" brokenvary=1
BrowserMatch "Opera" !brokenvary
SetEnvIf brokenvary 1 force-no-vary

# -----
# Set Keep-Alive Header

```

```
# -----  
  
# Keep-Alive allows the server to send multiple requests through one  
# TCP-connection. Be aware of possible disadvantages of this setting. Turn on  
# if you serve a lot of static content.  
  
<IfModule mod_headers.c>  
    Header set Connection Keep-Alive  
</IfModule>  
  
# -----  
# Cookie setting from iframes  
# -----  
  
# Allow cookies to be set from iframes (for IE only)  
# If needed, specify a path or regex in the Location directive.  
  
<IfModule mod_headers.c>  
    Header set P3P "policyref=\"/w3c/p3p.xml\", CP=\"IDC DSP COR ADM DEVI TAIi PSA PSD IVAi I  
CNT\""  
</IfModule>  
  
# -----  
# Start rewrite engine  
# -----  
  
# Turning on the rewrite engine is necessary for the following rules and  
# features. FollowSymLinks must be enabled for this to work.  
  
# Some cloud hosting services require RewriteBase to be set: goo.gl/H0cPN  
# If using the h5bp in a subdirectory, use `RewriteBase /foo` instead where  
# 'foo' is your directory.  
  
# If your web host doesn't allow the FollowSymLinks option, you may need to  
# comment it out and use `Options +SymLinksIfOwnerMatch`, but be aware of the  
# performance impact: http://goo.gl/Mluzd  
  
<IfModule mod_rewrite.c>  
    Options +FollowSymLinks  
# Options +SymLinksIfOwnerMatch  
    RewriteEngine On
```

```

# RewriteBase /
</IfModule>

# -----
# Built-in filename-based cache busting
# -----

# If you're not using the build script to manage your filename version revving,
# you might want to consider enabling this, which will route requests for
# `/css/style.20110203.css` to `/css/style.css`.

# To understand why this is important and a better idea than all.css?v1231,
# please refer to the bundled documentation about `.htaccess`.

<IfModule mod_rewrite.c>
    RewriteCond %{REQUEST_FILENAME} !-f
    RewriteCond %{REQUEST_FILENAME} !-d
    RewriteRule ^(.+)\.(\d+)\. (js|css|png|jpg|gif)$ $1.$3 [L]
</IfModule>

# -----
# Prevent 404 errors for non-existing redirected folders
# -----

# without -MultiViews, Apache will give a 404 for a rewrite if a folder of the
# same name does not exist.
# webmasterworld.com/apache/3808792.htm

Options -MultiViews

# -----
# Custom 404 page
# -----

# You can add custom pages to handle 500 or 403 pretty easily, if you like.
# If you are hosting your site in subdirectory, adjust this accordingly
# e.g. ErrorDocument 404 /subdir/404.html
ErrorDocument 404 /404.html

# -----
# UTF-8 encoding

```

```

# On to encoding
# -----

# Use UTF-8 encoding for anything served text/plain or text/html
AddDefaultCharset utf-8

# Force UTF-8 for a number of file formats
AddCharset utf-8 .atom .css .js .json .rss .vtt .xml

# -----
# Stateful URLs
#
# https://gist.github.com/gustavobeavis/4962250
# http://www.josscrowcroft.com/2012/code/htaccess-for-html5-history-pushstate-url-routing/
# -----
<IfModule mod_rewrite.c>

    # Redirect all files and paths to index.html (general rule)
    RewriteCond %{REQUEST_FILENAME} !-f
    RewriteCond %{REQUEST_FILENAME} !-d
    RewriteCond %{REQUEST_URI} !index
    RewriteRule (.*) index.html [L]

    # Declare path and files where don't apply general rules
    # # scripts/./././.* - not apply general rule redirect of all folders and files to path "/"
    RewriteCond %{DOCUMENT_ROOT}%{REQUEST_FILENAME} !-d
    RewriteCond %{DOCUMENT_ROOT}%{REQUEST_FILENAME} !-f
    RewriteRule scripts/(.*)$ scripts/$1 [L,QSA]

    # # images/./././.* - not apply general rule redirect of all folders and files to path "/"
    RewriteCond %{DOCUMENT_ROOT}%{REQUEST_FILENAME} !-d
    RewriteCond %{DOCUMENT_ROOT}%{REQUEST_FILENAME} !-f
    RewriteRule images/(.*)$ images/$1 [L,QSA]

    # # styles/./././.* - not apply general rule redirect of all folders and files to path "/"
    RewriteCond %{DOCUMENT_ROOT}%{REQUEST_FILENAME} !-d
    RewriteCond %{DOCUMENT_ROOT}%{REQUEST_FILENAME} !-f
    RewriteRule styles/(.*)$ styles/$1 [L,QSA]

</IfModule>

#

```

```
# -----  
# A little more security  
# -----  
  
# To avoid displaying the exact version number of Apache being used, add the  
# following to httpd.conf (it will not work in .htaccess):  
# ServerTokens Prod  
  
# "-Indexes" will have Apache block users from browsing folders without a  
# default document. Usually you should leave this activated, because you  
# shouldn't allow everybody to surf through every folder on your server (which  
# includes rather private places like CMS system folders).  
<IfModule mod_autoindex.c>  
    Options -Indexes  
</IfModule>  
  
# Block access to "hidden" directories or files whose names begin with a  
# period. This includes directories used by version control systems such as  
# Subversion or Git.  
<IfModule mod_rewrite.c>  
    RewriteCond %{SCRIPT_FILENAME} -d [OR]  
    RewriteCond %{SCRIPT_FILENAME} -f  
    RewriteRule "(^|/)\." - [F]  
</IfModule>  
  
# Block access to backup and source files. These files may be left by some  
# text/html editors and pose a great security danger, when anyone can access  
# them.  
<FilesMatch "(\\. (bak|config|dist|fla|inc|ini|log|psd|sh|sql|swp)|\\. "$)">  
    Order allow,deny  
    Deny from all  
    Satisfy All  
</FilesMatch>
```