# 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 *ever]*
  <FilesMatch "\.(appcache|crx|css|eot|gif|htc|ico|jpe?g|js|m4a|m4v|manifest|mp4|oxf|ogv|otf|pdf|png|safari|ttf|vcard|webapp|webp|woff|xml|xpi)"
    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
<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
# 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|ttc|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/ydn/posts/2010/12/pushing-bx
  <IfModule mod_setenvif.c>
    <IfModule mod_headers.c>
      SetEnvIfNoCase ^
        (Accept-Encoding|X-cept-Encoding|X(15)|"{15}l-{15})$ ^
      HAVE_Accept-Encoding
      RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
    </IfModule>
  </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>` lines as
# `AddOutputFilterByType` is still in the core directives)
<IfModule mod_filter.c>
  AddOutputFilterByType DEFLATE application/atom+xml \
    application/javascript \n    application/json \n    application/rss+xml \n    application/vnd.ms-fontobject \n    application/x-font-ttf \n    application/xhtml+xml \n    application/xml \n    font/opentype \n    image/svg+xml \n    image/x-icon \n    text/css \n    text/html \n    text/plain \n    text/x-component \n    text/xml
</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.steve.souders.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.appcache 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"
</IfModule>
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>
# 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.

```html
<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.

```html
<IfModule mod_headers.c>
    Header set P3P "policyref="/w3c/p3p.xml", CP="IDC DSP COR ADM DEV I TAIi PSA PSD IVAi I VN 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/H0cPM
# 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/M1uzd

```html
<IfModule mod_rewrite.c>
    Options +FollowSymLinks
    # Options +SymLinksIfOwnerMatch
    RewriteEngine On
</IfModule>
```
# 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\w]+)\.(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
UTF-8 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

Stateful URLs

<!-- 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 "/i:
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 "/s:
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>