# Apache configuration file
# httpd.apache.org/docs/2.2/mod/quickreference.html

# Note .htaccess files are an overhead, this logic should be in your Apache config if possible
# httpd.apache.org/docs/2.2/howto/htaccess.html

# Techniques in here adapted from all over, including:
# Kroc Camen: camendesign.com/.htaccess
# perishablepress.com/press/2006/01/10/stupid-htaccess-tricks/
# Sample .htaccess file of CMS MODx: modxcms.com

###
### If you run a webserver other than apache, consider:
### github.com/paulIrish/html5-boilerplate-server-configs
###

# 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

```xml
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    BrowserMatch MSIE ie
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<IfModule mod_headers.c>
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```
# cross-domain AJAX requests
# 
# Serve cross-domain AJAX requests, disabled.
# enable-cors.org
# code.google.com/p/html5security/wiki/CrossOriginRequestSecurity

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

# Webfont access
# 
# allow access from all domains for webfonts
# alternatively you could only whitelist
# your subdomains like "sub.domain.com"

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

# Proper MIME type for all files
# 

# audio
AddType audio/ogg oga ogg

# video
AddType video/ogg ogv
AddType video/mp4 mp4
AddType video/webm webm

# Proper svg serving. Required for svg webfonts on iPad
# twitter.com/FontSquirrel/status/14855848545
AddType image/svg+xml svg svgz
AddEncoding gzip svgz
# webfonts
AddType application/vnd.ms-fontobject eot
AddType font/truetype ttf
AddType font/opentype otf
AddType application/x-font-woff woff

# assorted types
AddType image/x-icon ico
AddType image/webp webp
AddType text/cache-manifest appcache manifest
AddType text/x-component htc
AddType application/x-chrome-extension crx
AddType application/x-xpinstall xpi
AddType application/octet-stream safarientz

# Allow concatenation from within specific js and css files
# ---------------------------------------------------------------
# e.g. Inside of script.combined.js you could have
#  <!--#include file="libs/jquery-1.5.0.min.js" -->
#  <!--#include file="plugins/jquery.idletimer.js" -->
# and they would be included into this single file

# this is not in use in the boilerplate as it stands. you may
# choose to name your files in this way for this advantage
# or concatenate and minify them manually.
# Disabled by default.

# <FilesMatch "\.combined\.(js|css)">
#     Options +Includes
#     SetOutputFilter INCLUDES
# </FilesMatch>

# gzip compression
# --------------------------------------------------------------------------------------------------

<IfModule mod_deflate.c>
### # force deflate for mangled headers developer.yahoo.com/blogs/ydn/posts/2010/12/pushing-beyond-gzipping/

```c
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase ^\(Accept-Encoding \| X-\name-\encoding \| \(gzip \\| deflate\)\) \((4,13) \| {4,13} \| \{4,13\}\)$ HAVE_Accept-Encoding
    RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
  </IfModule>
</IfModule>

# html, txt, css, js, json, xml, htc:
<IfModule filter_module>
  FilterDeclare COMPRESS
  FilterProvider COMPRESS DEFLATE resp=Content-Type
  /text\(<html|\css|\javascript|\plain|\xml|\text\-component>|/
  FilterProvider COMPRESS DEFLATE resp=Content-Type /application\(<html|\javascript|\json|\xml|\text\-component>|/
  FilterChain COMPRESS
  FilterProtocol COMPRESS change=yes;byteranges=no
</IfModule>

<IfModule !mod_filter.c>
  # Legacy versions of Apache
  AddOutputFilterByType DEFLATE text/html text/plain text/css application/json
  AddOutputFilterByType DEFLATE javascript application/javascript application/x-javascript
  AddOutputFilterByType DEFLATE text/xml application/xml text/x-component
</IfModule>

# webfonts and svg:
<FilesMatch "\.(ttf|otf|eot|svg)" >
  SetOutputFilter DEFLATE
</FilesMatch>
</IfModule>

# ----------------------------------------
# Expires headers (for better cache control)
# ----------------------------------------

# these are pretty far-future expires headers
# they assume you control versioning with cachebusting query params like
# <script src="application.js?20100608">

```
# 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" or so

<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 (thx Remy "Introducing HTML5")
  ExpiresByType text/cache-manifest "access plus 0 seconds"

# your document html
  ExpiresByType text/html "access plus 0 seconds"

# data
  ExpiresByType text/xml "access plus 0 seconds"
  ExpiresByType application/xml "access plus 0 seconds"
  ExpiresByType application/json "access plus 0 seconds"

# rss feed
  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 image/gif "access plus 1 month"
  ExpiresByType image/png "access plus 1 month"
  ExpiresByType image/jpg "access plus 1 month"
  ExpiresByType image/jpeg "access plus 1 month"
  ExpiresByType video/ogg "access plus 1 month"
  ExpiresByType audio/ogg "access plus 1 month"
  ExpiresByType video/mp4 "access plus 1 month"
  ExpiresByType video/webm "access plus 1 month"

# htc files (css3pie)
  ExpiresByType text/x-component "access plus 1 month"
# webfonts
ExpiresByType font/truetype    "access plus 1 month"
ExpiresByType font/opentype    "access plus 1 month"
ExpiresByType application/x-font-woff "access plus 1 month"
ExpiresByType image/svg+xml    "access plus 1 month"
ExpiresByType application/vnd.ms-fontobject "access plus 1 month"

# css and javascript
ExpiresByType text/css         "access plus 2 months"
ExpiresByType application/javascript   "access plus 2 months"
ExpiresByType text/javascript    "access plus 2 months"

<IfModule mod_headers.c>
  Header append Cache-Control "public"
</IfModule>

</IfModule>

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

# Since we're sending far-future expires, we don't need ETags for
# static content.
# developer.yahoo.com/performance/rules.html#tags
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). If
# needed, un-comment the following rules.

# BrowserMatch "MSIE" brokenvary=1
# BrowserMatch "Mozilla/4.0-9|2" brokenvary=1
# BrowserMatch "Opera" !brokenvary
# SetEnvIf brokenvary 1 force-no-vary
# Cookie setting from iframes
# ---------------------------------------------------------------
#
# Allow cookies to be set from iframes (for IE only)
# If needed, uncomment and specify a path or regex in the Location directive

#ifModule mod_headers.c

    <Location />
    Header set P3P "policyref="/w3c/p3p.xml", CP="IDC DSP COR ADM DEV TAIi PSA PSD IVAi IVDi CONi HIS OUR IND CHT\\"
    </Location>
#endif

# Start rewrite engine
# ---------------------------------------------------------------

# Turning on the rewrite engine is necessary for the following rules and features.

<IfModule mod_rewrite.c>
   RewriteEngine On
</IfModule>

# Suppress or force 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, since this can cause SEO problems (duplicate content).
# That's why you should choose one of the alternatives and redirect the other one.

# By default option 1 (no "www.") is activated. Remember: Shorter URLs are sexier.
# no-www.org/faq.php?q=class_b

# If you rather want to use option 2, just comment out all option 1 lines
# and uncomment option 2.
# IMPORTANT: NEVER USE BOTH RULES AT THE SAME TIME!

# ---------------------------------------------------------------
# Option 1:
# Rewrite "www.\domain.com -> domain.com"

<IfModule mod_rewrite.c>
  RewriteCond %{HTTPS} !=on
  RewriteCond %{HTTP_HOST} ^www\.(.+)$ [NC]
  RewriteRule ^(.*)$ http://%1/%1 [R=301,L]
</IfModule>

# Option 2:
# To rewrite "domain.com -> www.\domain.com" uncomment the following lines.
# Be aware that the following rule might not be a good idea if you
# use "real" subdomains for certain parts of your website.

# <IfModule mod_rewrite.c>
#  RewriteCond %{HTTPS} !=on
#  RewriteCond %{HTTP_HOST} !^www\.(.+)$ [NC]
#  RewriteCond %{HTTP_HOST} (.+)$ [NC]
#  RewriteRule ^(.*)$ http://www.\%1/$1 [R=301,L]
# </IfModule>

# Add/remove trailing slash to (non-file) URLs
# Google treats URLs with and without trailing slashes separately.
# Forcing a trailing slash is usually preferred, but all that's really
# important is that one correctly redirects to the other.

# By default option 1 (force trailing slash) is activated.
# http://googlewebmastercentral.blogspot.com/2010/04/to-slash-or-not-to-slash.html
# http://www.alistapart.com/articles/slashforward/
# http://httpd.apache.org/docs/2.0/misc/rewriteguide.html#url Trailing Slash Problem

# Option 1:
# Rewrite "domain.com/foo -> domain.com/foo/"
<IfModule mod_rewrite.c>
    RewriteCond %{REQUEST_FILENAME} !-f
    RewriteCond %{REQUEST_URI} !\.[a-zA-Z0-9]{1,5}$ !(.*)$
    RewriteRule ^.*$ /$1 / [R=301,L]
</IfModule>

# Option 2:
# Rewrite "domain.com/\foo/ -> domain.com/\foo"

<IfModule mod_rewrite.c>
    RewriteRule ^.*$ /$1 / [R=301,L]
</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,

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

# Prevent SSL cert warnings
# ----------------------------------------------------------

# Rewrite secure requests properly to prevent SSL cert warnings, e.g. prevent
# https://www.domain.com when your cert only allows https://secure.domain.com
Uncomment the following lines to use this feature.

```
# <IfModule mod_rewrite.c>
#  RewriteCond %{SERVER_PORT} !^443
#  RewriteRule (.*) https://example-domain-please-change-me.com/$1 [R=301,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
# e.g. /blog/hello : 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.

**ErrorDocument 404 /404.html**

```
# 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 .html .css .js .xml .json .rss
```

**A little more security**

```
# Do we want to advertise the exact version number of Apache we're running?
# Probably not.
```

This can only be enabled if used in httpd.conf. It will not work in httpd.conf.
## This can only be enabled if used in .htaccess - 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).

# Options -Indexes

# Block access to "hidden" directories whose names begin with a period. This
# includes directories used by version control systems such as Subversion or Git.
<IfModule mod_rewrite.c>

  RewriteRule "(^\.)\" - [F]
</IfModule>

# If your server is not already configured as such, the following directive
# should be uncommented in order to set PHP’s register_globals option to OFF.
# This closes a major security hole that is abused by most XSS (cross-site
# scripting) attacks. For more information: http://php.net/register_globals
#
# IF REGISTERGLOBALS DIRECTIVE CAUSES 500 INTERNAL SERVER ERRORS :
#
# Your server does not allow PHP directives to be set via .htaccess. In that
# case you must make this change in your php.ini file instead. If you are
# using a commercial web host, contact the administrators for assistance in
# doing this. Not all servers allow local php.ini files, and they should
# include all PHP configurations (not just this one), or you will effectively
# reset everything to PHP defaults. Consult www.php.net for more detailed
# information about setting PHP directives.

# php_flag register_globals Off

# Don't show directory listings for URLs which map to a directory

Options -Indexes

<IfModule mod_php5.c>

  php_flag register_globals On
  php_flag register_argc_argv On
  php_flag magic_quotes_gpc On
  php_flag magic_quotes_runtime Off
php_value mysql.allow_persistent 1
php_value mysql.connect_timeout 180
php_value variables_order "EGPCS"
php_value display_errors 1
php_value output_buffering Off
php_value display_startup_errors Off
php_value mysql.allow_persistent On
php_value default_socket_timeout 240
php_value mysql.connect_timeout 240
php_value error_reporting "E_ALL & "E_NOTICE"

</IfModule>

<IfModule mod_charset_lite.c>
   CharsetDefault UTF-8
   CharsetSourceEnc UTF-8
</IfModule>

#echo mod_charset_lite.c>
#   CharsetDefault KOI8-R
#   CharsetSourceEnc KOI8-R
#/</IfModule>