

```
# Apache configuration file
# http://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
# http://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: modx.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

<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    BrowserMatch MSIE ie
    Header set X-UA-Compatible "IE=Edge,chrome=1" env=ie
  </IfModule>
</IfModule>

<IfModule mod_headers.c>
# Because X-UA-Compatible isn't sent to non-IE (to save header bytes),
# We need to inform proxies that content changes based on UA
  Header append Vary User-Agent
# Cache control is set only if mod_headers is enabled, so that's unnecessary to declare
</IfModule>

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

```
# Cross-domain XMLHttpRequests
# -----

# 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"

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

# -----

# 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/14855840545
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 safariextz
```

```
AddEncoding text/vnd.sun.j2me.app-descriptor jad
AddEncoding application/vnd.rim.cod cod
AddEncoding application/java-archive jar
```

```
AddType text/vnd.sun.j2me.app-descriptor jad
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```

```
# -----
# 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/
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase ^(\Accept-EncodXngl X-cept-Encodingl X(15)l ~(15)l -(15))$
    ^((gzip| deflate)\s, ?\s(gzip| deflate)?l X(4,13)l ~(4,13)l -(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| x(ml)l -component))/
  FilterProvider COMPRESS DEFLATE resp=Content-Type /application/(javascript| json| xml| x-
  javascript)/
  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 text/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, apcache 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#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). 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 DEVI TAIi PSA PSD
IVAI IVDi CONi HIS OUR IND CNT\""
#   </Location>
# </IfModule>

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

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

<IfModule mod_rewrite.c>
    RewriteEngine On
</IfModule>
Options All -Indexes

# -----
# 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,
# read: github.com/paulirish/html5-boilerplate/wiki/Version-Control-with-Cachebusting
```

```
# Uncomment to enable.
```

```
# <IfModule mod_rewrite.c>
# RewriteCond %{REQUEST_FILENAME} !-f
# RewriteCond %{REQUEST_FILENAME} !-d
# RewriteRule ^(.+)\.(\d+)\.(\w+\.css)$ $1.$2 [1]
```

```
# RewriteRule ^(.*)$ https://www.example.com/$1 [R=301,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 subset of file formats
```

*# 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 .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](http://php.net/register_globals)*

*#*

*# IF REGISTER\_GLOBALS 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](http://www.php.net) for more detailed*

*# information about setting PHP directives.*

*# php\_flag register\_globals Off*

```
<IfModule mod_gzip.c>
    mod_gzip_on          Yes
    mod_gzip_dechunk     Yes
    mod_gzip_item_include file          \.(html?|txt|css|js|php|pl)$
    mod_gzip_item_include handler      ^cgi-script$
    mod_gzip_item_include mime        ^text\.*
    mod_gzip_item_include mime        ^application/x-javascript.*
    mod_gzip_item_exclude mime        ^image\.*
    mod_gzip_item_exclude rspheader   ^Content-Encoding:.*gzip.*
</IfModule>
```

*#compress text, html, javascript, css, xml:*

```
AddOutputFilterByType DEFLATE text/plain
AddOutputFilterByType DEFLATE text/html
AddOutputFilterByType DEFLATE text/xml
AddOutputFilterByType DEFLATE text/css
AddOutputFilterByType DEFLATE application/xml
AddOutputFilterByType DEFLATE application/xhtml+xml
AddOutputFilterByType DEFLATE application/rss+xml
AddOutputFilterByType DEFLATE application/javascript
AddOutputFilterByType DEFLATE application/x-javascript
```

*#Enable File Caching.*

*#cache html and htm files for one day*

```
<FilesMatch ".(html|htm)$">
    Header set Cache-Control "max-age=43200"
</FilesMatch>
```

*#cache css, javascript and text files for one week*

```
<FilesMatch ".(js|css|txt)$">
    Header set Cache-Control "max-age=604800"
</FilesMatch>
```

*#cache flash and images for one month*

```
<FilesMatch ".(flv|swf|ico|gif|jpg|jpeg|png)$">
    Header set Cache-Control "max-age=2592000"
</FilesMatch>
```

*#disable cache for script files*

```
<FilesMatch "\.(pl|php|cgi|perl|scgi|fcgi)$">
```

```
Header unset Cache-Control
</FilesMatch>
```