

```
# 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: modx.com

# -----
# 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,chrome=1"
  # mod_headers can't match by content-type, but we don't want to send this header on *ever!
  <FilesMatch "\.(js|css|gif|png|jpe?
gl|pdf|xml|ogal|oggl|m4al|ogvl|mp4l|m4vl|webml|svg|svgz|eot|ttf|otf|woff|icol|webpl|appcache|manifest|
>
  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
# 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|png|jpe?g|svg|svgz|ico|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 "\.(ttf|ttc|otf|eot|woff|font.css)$">
    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)
# http://www.w3.org/2003/01/24/rfc4347#section-5.1

```

*# tools.ietf.org/html/rfc4329#section-7.2*

AddType application/javascript js jsonp  
AddType application/json json

*# Audio*

AddType audio/ogg oga ogg  
AddType audio/mp4 m4a f4a f4b

*# Video*

AddType video/ogg ogv  
AddType video/mp4 mp4 m4v f4v f4p  
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 font/opentype otf  
AddType application/x-font-woff woff  
AddType application/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/xml rss atom xml rdf  
AddType application/x-chrome-extension crx  
AddType application/x-opera-extension oex  
AddType application/x-xpinstall xpi  
AddType application/octet-stream safariextz  
AddType application/x-web-app-manifest+json webapp  
AddType text/x-vcard vcf  
AddType application/x-shockwave-flash swf  
AddType text/vtt vtt

```

# -----
# 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 use this technique if you do not have a build process.

<FilesMatch "\.combined\.js$" >
# Options +Includes
# AddOutputFilterByType INCLUDES application/javascript application/json
# SetOutputFilter INCLUDES
</FilesMatch>

<FilesMatch "\.combined\.css$" >
# Options +Includes
# AddOutputFilterByType INCLUDES text/css
# SetOutputFilter INCLUDES
</FilesMatch>

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

<IfModule mod_deflate.c>

# Force deflate for mangled headers developer.yahoo.com/blogs/ydn/posts/2010/12/pushing-bi
<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>

# HTML, TXT, CSS, JavaScript, JSON, XML, HTC:

```

```

<IfModule filter_module>
    FilterDeclare    COMPRESS
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/html
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/css
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/plain
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/xml
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/x-component
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/javascript
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/json
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/xml
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/xhtml+xml
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/rss+xml
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/atom+xml
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/vnd.ms-fontobject
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $image/svg+xml
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $image/x-icon
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/x-font-ttf
    FilterProvider   COMPRESS DEFLATE resp=Content-Type $font/opentype
    FilterChain      COMPRESS
    FilterProtocol   COMPRESS DEFLATE 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 application/javascript
    AddOutputFilterByType DEFLATE text/xml application/xml text/x-component
    AddOutputFilterByType DEFLATE application/xhtml+xml application/rss+xml application/atom
    AddOutputFilterByType DEFLATE image/x-icon image/svg+xml application/vnd.ms-fontobject :
font/opentype
</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.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 0 seconds"

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

    # Feed
    ExpiresByType application/rss+xml                   "access plus 1 hour"
    ExpiresByType application/atom+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/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 application/x-font-ttf      "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 1 year"
ExpiresByType application/javascript      "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.  
  
# <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  
# </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: foo.nl/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
  Options +FollowSymlinks
  RewriteEngine On
# RewriteBase /
</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.
# no-www.org/faq.php?q=class_b

# If you'd prefer 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.example.com -> example.com".

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

```

```

RewriteCond %{REQUEST_URI} !^/$ [R=301,L]
</IfModule>

# -----

# Option 2:
# Rewrite "example.com -> www.example.com".
# 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]
#   RewriteRule ^ http://www.%{HTTP_HOST}%{REQUEST_URI} [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/h5bp/html5-boilerplate/wiki/cachebusting

# <IfModule mod_rewrite.c>
#   RewriteCond %{REQUEST_FILENAME} !-f
#   RewriteCond %{REQUEST_FILENAME} !-d
#   RewriteRule ^(.+)\.(\d+)\. (js|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.example.com when your cert only allows https://secure.example.com

# <IfModule mod_rewrite.c>
#   RewriteCond %{REQUEST_SCHEME} !=https [L]

```

```
# RewriteCond %{SERVER_PORT} 443
# RewriteRule ^ https://example-domain-please-change-me.com%{REQUEST_URI} [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.
# 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
# -----
```

```
# 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
```

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

```
##-----## http://www.apache.org/docs/2.4/mod/mod_rewrite.html
```

```
# "-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|sql|fla|psd|ini|log|sh|incl|swp|dist)|\\.")$">
```

```
Order allow,deny
```

```
Deny from all
```

```
Satisfy All
```

```
</FilesMatch>
```

```
# 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 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 for more detailed
# information about setting PHP directives.
```

```
# php_flag register_globals Off

# Rename session cookie to something else, than PHPSESSID
# php_value session.name sid

# Disable magic quotes (This feature has been DEPRECATED as of PHP 5.3.0 and REMOVED as of )
# php_flag magic_quotes_gpc Off

# Do not show you are using PHP
# Note: Move this line to php.ini since it won't work in .htaccess
# php_flag expose_php Off

# Level of log detail - log all errors
# php_value error_reporting -1

# Write errors to log file
# php_flag log_errors On

# Do not display errors in browser (production - Off, development - On)
# php_flag display_errors Off

# Do not display startup errors (production - Off, development - On)
# php_flag display_startup_errors Off

# Format errors in plain text
# Note: Leave this setting 'On' for xdebug's var_dump() output
# php_flag html_errors Off

# Show multiple occurrence of error
# php_flag ignore_repeated_errors Off

# Show same errors from different sources
# php_flag ignore_repeated_source Off

# Size limit for error messages
# php_value log_errors_max_len 1024

# Don't precede error with string (doesn't accept empty string, use whitespace if you need)
# php_value error_prepend_string " "

# Don't prepend to error (doesn't accept empty string, use whitespace if you need)
```

```
# php_value error_append_string " "
```

```
# Increase cookie security
```

```
<IfModule php5_module>
```

```
    php_value session.cookie_httponly true
```

```
</IfModule>
```