

```
# 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/h5bp/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_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 *every*
  <FilesMatch "\.(js|css|gif|png|jpe?
gl|pdf|xml|ogal|oggl|m4al|ogvl|mp4l|m4vl|webml|svgl|svgz|eotl|ttfl|otfl|woff|icof|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/apis/ajax/cors/docs/cors-overview/enable-cors.html
```

```

# code, google, com/p/n/mt/5security/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)

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

AddType application/javascript js

Audio

AddType audio/ogg oga ogg

AddType audio/mp4 m4a

Video

AddType video/ogg ogv

AddType video/mp4 mp4 m4v

AddType video/webm webm

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

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

```

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

<IfVersion < 2.4.4>

<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>

</IfVersion>

<IfVersion >= 2.4.4>

<IfModule filter_module>

```
FilterDeclare    COMPRESS
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'text/html'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'text/css'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'text/plain'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'text/xml'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'text/x-component'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'application/javascript'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'application/json'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'application/xml'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'application/xhtml+xml'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'application/rss+xml'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'application/atom+xml'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'application/vnd.ms-fontobject'"
FilterProvider   COMPRESS DEFLATE "%(Content_Type) = 'image/svg+xml'"
```

```

FilterProvider COMPRESS DEFLATE "%(Content_Type) = 'image/x-icon'"
FilterProvider COMPRESS DEFLATE "%(Content_Type) = 'application/x-font-ttf'"
FilterProvider COMPRESS DEFLATE "%(Content_Type) = 'font/opentype'"
FilterChain COMPRESS
FilterProtocol COMPRESS DEFLATE change=yes;byteranges=no
</IfModule>
</IfVersion>

<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" or so.

<IfModule mod_expires.c>
    ExpiresActive on

    # Perhaps better to whitelist expires rules? Perhaps.
    ExpiresDefault "access plus 1 month"

    # cache. apache 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/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 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>
```

```
# -----
# 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). 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>
#   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: goo.gl/H0cPM
# If using the h5bp in a subdirectory, use `RewriteBase /foo` instead where 'foo' is your d

<IfModule mod_rewrite.c>
  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
# 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.example.com -> example.com"

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

# -----
```

```
# Option 2:
# To rewrite "example.com -> www.example.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]
#   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 rewriting,
# 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

# Uncomment to enable.
# <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
# Uncomment the following lines to use this feature.

# <IfModule mod_rewrite.c>
#   RewriteCond %{SERVER_PORT} !^443
#   RewriteRule ^ https://example-domain-please-change-me.com%{REQUEST_URI} [R=301,L]
# </IfModule>
```

```
# </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  
# 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 .css .js .xml .json .rss .atom
```

```
# -----  
# 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.  
<IfModule mod_autoindex.c>
```

```
    -Indexes
```

```
Options -Indexes
```

```
</IfModule>
```

```
# 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>
```

```
RewriteCond %{SCRIPT_FILENAME} -d
```

```
RewriteCond %{SCRIPT_FILENAME} -f
```

```
RewriteRule "(^/)\." - [F]
```

```
</IfModule>
```

```
# Block access to backup and source files  
# This files may be left by some text/html editors and  
# pose a great security danger, when someone can access them
```

```
<FilesMatch "(\\. (bak| config| sql| fl| 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
```

```
# 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>

# -----
# Zend Framework
```

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

```
RewriteBase /
```

```
RewriteCond %{REQUEST_FILENAME} -s [OR]
```

```
RewriteCond %{REQUEST_FILENAME} -l [OR]
```

```
RewriteCond %{REQUEST_FILENAME} -d
```

```
RewriteRule ^.*$ - [NC,L]
```

```
RewriteRule ^.*$ index.php [NC,L]
```

```
# The following rewrites all other queries to index.php. The  
# condition ensures that if you are using Apache aliases to do  
# mass virtual hosting, the base path will be prepended to  
# allow proper resolution of the index.php file; it will work  
# in non-aliased environments as well, providing a safe, one-size  
# fits all solution.
```

```
#RewriteCond %{REQUEST_URI}::$1 ^(/,+)(,+):\2$
```

```
#RewriteRule ^(.*) - [E=BASE:%1]
```

```
#RewriteRule ^(.*)$ %{ENV:BASE}index.php [NC,L]
```

```
#Header set Access-Control-Allow-Origin "*"
```

```
#Header set Access-Control-Allow-Methods "POST, GET, OPTIONS, DELETE, PUT"
```

```
#Header set Access-Control-Max-Age "1000"
```

```
#Header set Access-Control-Allow-Headers "x-requested-with, Content-Type, origin, authorization"
```