

```
# 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

# -----
# 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|eotl|ttfl|otfl|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-testsuite/qa100/

```

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

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/ym/2010/12/pushing-bi
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase ^(\Accept-EncodXngl X-cept-Encodingl 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>

```

```

<IfVersion >= 2.4>
  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
</IfVersion>
<IfVersion <= 2.2>
  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

```

```

    </IfVersion>
</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.stevesouder.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: 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/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%{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 rewving,  
# 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 %{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.  
# For more information, see the "Custom Error Documents" section of the
```

```
# 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

# "-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 "(\\. (bakl configl sqlflal psdl inil logl shl incl swpl 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>
```