

```
# 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: 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 "\.(appcache|crx|css|eot|gif|htc|ico|jpe?
gl|js|m4a|m4v|manifest|mp4|oex|ogal|oggl|ogv|otf|pdf|png|safariextz|svg|svgz|ttf|vcf|webm|webp|
  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|ico|jpe?g|png|svg|svgz|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 "\.(eot|font. css|otf|ttc|ttf|woff)$">
    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 jsonp
AddType application/json             json

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

# Video
AddType video/mp4                   mp4 m4v f4v f4p
AddType video/ogg                   ogv
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 application/x-font-woff      woff
AddType font/opentype                otf

# Assorted types
AddType application/octet-stream     safariextz
AddType application/x-chrome-extension crx
AddType application/x-opera-extension oex
AddType application/x-shockwave-flash swf
AddType application/x-web-app-manifest+json webapp
AddType application/x-xpinstall      xpi
AddType application/xml              rss atom xml rdf
AddType image/webp                   webp
AddType image/x-icon                 ico
AddType text/cache-manifest          appcache manifest
AddType text/vtt                     vtt
AddType text/x-component             htc
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 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)\
(4,13)$ HAVE_Accept-Encoding
    RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
  </IfModule>
</IfModule>

# Compress all output labeled with one of the following MIME-types
# (for Apache versions below 2.3.7, you don't need to enable `mod_filter`
# and can remove the `<IfModule mod_filter.c>` and `</IfModule>` lines as

```

```
# `AddOutputFilterByType` is still in the core directives)
```

```
# 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
```

```
</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 application/json "access plus 0 seconds"
ExpiresByType application/xml "access plus 0 seconds"
ExpiresByType text/xml "access plus 0 seconds"
```

Feed

```
ExpiresByType application/atom+xml "access plus 1 hour"
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 audio/ogg "access plus 1 month"
ExpiresByType image/gif "access plus 1 month"
ExpiresByType image/jpeg "access plus 1 month"
ExpiresByType image/png "access plus 1 month"
ExpiresByType video/mp4 "access plus 1 month"
ExpiresByType video/ogg "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/vnd.ms-fontobject "access plus 1 month"
ExpiresByType application/x-font-ttf "access plus 1 month"
ExpiresByType application/x-font-woff "access plus 1 month"
ExpiresByType font/opentype "access plus 1 month"
ExpiresByType image/svg+xml "access plus 1 month"
```

CSS and JavaScript

```
ExpiresByType application/javascript "access plus 1 year"
ExpiresByType text/css "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
OUR IND CNT\""
# </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/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
    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,  
# please refer to the bundled documentation about `.htaccess`.
```

```
# <IfModule mod_rewrite.c>  
# RewriteCond %{REQUEST_FILENAME} !-f  
# RewriteCond %{REQUEST_FILENAME} !-d  
# RewriteRule ^(.+)\.(\d+)\. (jsl cssl pngl jpgl 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>
```

```
# -----  
# Force client-side SSL redirection  
# -----
```

```
# If a user types "example.com" in her browser, the above rule will redirect her  
# to the secure version of the site. That still leaves a window of opportunity  
# (the initial HTTP connection) for an attacker to downgrade or redirect the  
# request. The following header ensures that browser will only connect to  
# your server via HTTPS, regardless of what users type in the address bar.
```

```
# <IfModule mod_headers.c>  
# Header set Strict-Transport-Security max-age=16070400;  
# </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
```

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

```
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 mod_php5.c>
```

```

    php_value session.cookie_httponly true
</IfModule>

# -----
# Mobile specific server config
# -----

# Blackberry types - http://goo.gl/A696I
AddType application/x-bb-appworld          bbaw
AddType text/vnd.rim.location.xloc         xloc

# Nokia types - http://goo.gl/LU1bM
# http://wiki.forum.nokia.com/index.php/How_to_enable_OTA_(Over_The_Air)_SIS_install_from_y
AddType application/octet-stream           six
AddType application/vnd.symbian.install    sis

# Prevent mobile transcoding
# <FilesMatch "\.(php|cgi|pl)$">
#   <IfModule mod_headers.c>
#     Header append Cache-Control "no-transform"
#     Header append Vary "User-Agent, Accept"
#   </IfModule>
# </FilesMatch>

# Mobile Redirection Script is used to detect if user is viewing the site
# from mobile device. If the script detects the user is viewing from
# mobile phone, they will be redirected to the mobile version of the site.
# One thing to note is that if you want to allow the user on the mobile version
# of your site to have the option to switch to desktop version, you may consider
# using other methods like JavaScript or PHP at http://detectmobilebrowser.com/
#
# To use the script, first, uncomment the lines below,
# second, change 'http://www.example.com/mobile' to the URL of your mobile site.

#RewriteEngine On
#RewriteBase /
#RewriteCond %{HTTP_USER_AGENT}
android|avantgo|blackberry|blazer|compal|elaine|fennec|hiptop|iemobile|ip(hone|od)|iris|kin
|maemo|midp|mmp|opera\ m(ob|in)i|palm(\ os)?|phone|p(ixi|re)\|plucker|pocket|psp|symbian|t(
|browser|link)|vodafone|wap|windows\ (cel|phone)|xda|xiino [NC,OR]
#RewriteCond %{HTTP_USER_AGENT} ^(1207|6310|6590|3gso|4thp|50[1-6]i|770s|802s|a\ wal|abacl|ac

```

>| ai(kol rn)| al(avl cal co)| amoi(an(exl nyl yw)| aptul ar(chl go)| as(tel us)| attul au(dil \-ml r\ | s\ |
>| avani be(ckl lll nq)| bi(1bl rd)| bl(acd az)| br(el v)ul bumbi bu\-(nl u)| c55\|/| capil ccwal cdm\|-| cell| |
| co(mpl nd)| crawl da(iti lll ng)| dbtel dc\|-sl devil di cal dmobl do(cl p)ol ds(12l \-
d)| el(49l ai)| em(12l ul)| er(icl k0)| es18l ez([4-7]0l osl wal ze)| fetcl fly(\-|_)l gl\ | ul g560l genel gf
mol go(\. ul od)| gr(adl un)| hai el hci ti hd\-(ml pl t)| hei\|-| hi(ptl ta)| hp(\ | il ip)| hs\|-cl ht(cc\|-| |
|_| al gl pl sl t)| tp)| hu(awl tc)| i\-(20l gol ma)| i230l iac(\ | \-
| \)| ibrol ideal ig0l| ikoml im1kl innol ipaq| irisl ja(ti v)al jbrol jemul jigs| kddil keji| kgt(\ | \)| ki
l kyo(cl k)| le(nol xi)| lg(\ | gl \|(kl ll u)| 50l 54l e\|-| e\| \|-[a-w])| libul lynxl m1\|-
ul m3gal m50\|/| ma(tel uil xo)| mc(0l| 2l| ca)| m\|-crl me(dil rcl ri)| mi(o8l oal ts)| mmevl mo(0l| 02l bil del |
| ol v)| zz)| mt(50l p1l v\ |) | mubpl mywal n10[0-2]| n20[2-3]| n30(0l 2)| n50(0l 2l 5)| n7(0(0l 1)| 10)| ne(cc
| onl tfl wfl wgl wt)| nok(6l i)| nzphl o2iml op(til uv)| oranl owg1| p800l pan(al dl t)| pdxgl pg(13l \-(11-
8)| c)| phi1| pirel pl(ayl uc)| pn\|-2| po(ckl rti se)| proxl psi ol pt\|-gl qa\|-al qc(07l 12l 2l 32l 60l \-[2-
>| qtekl r380l r600l raksl rim9l ro(vel zo)| s55\|/| sa(gel mal mml msl nyl va)| sc(0l| h\|-| ool p\|-)| sdk\|/| se
l 0l 1)| 47l mcl ndl ri)| sgh\|-| sharl sie(\-| m)| sk\|-0l sl(45l id)| sm(a1l arl b3l iti t5)| so(ftl ny)| sp(0l| |
>| sy(0l| mb)| t2(18l 50)| t6(00l 10l 18)| ta(gt1 k)| tc1\|-| tdg\|-| tel(il m)| tim\|-| t\|-mol to(p1l sh)| ts(
| m3l m5)| tx\|-9l up(\. bl g1l si)| utstl v400l v750l veril vi(rgl te)| vk(40l 5[0-3]| \-
v)| vm40l vodal vul cl vx(52l 53l 60l 61l 70l 80l 81l 83l 85l 98)| w3c(\-| \ |) | webcl whi ti wi(g\ | ncl nu)| um1bl
| 2l g)| yas\|-| yourl zetol zte\|-) [NC]
#RewriteRule ^\$ http://www.example.com/mobile [R,L]