

```
# 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: modxcms.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 *every*
    <FileMatch "\.(appcache|crx|css|eot|gif|htc|ico|jpe?|gl|js|m4|manifest|mp4|oex|ogal|oggl|ogvl|otf|pdf|png|safariextz|svg|svgz|ttf|vcf|webm|webp|Header unset X-UA-Compatible
    </FileMatch>
</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, you 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                   ogg 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-xpiinstall         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 $1$ -$1$ $ ((gzip deflate))$ 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)
<IfModule mod_filter.c>
    AddOutputFilterByType DEFLATE application/atom+xml \
                                application/javascript \
                                application/json \
                                application/rss+xml \
                                application/vnd.ms-fontobject \
                                application/x-font-ttf \
                                application/xhtml+xml \
                                application/xml \
                                font/opentype \
                                image/svg+xml \
                                image/x-icon \
                                text/css \
                                text/html \
                                text/plain \
                                text/x-component \
                                text/xml
</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 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 TAI 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/H0cPH
# 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.html?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 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,
# please refer to the bundled documentation about `.htaccess`.

# <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>

#
# -----#
# 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
# ----- THE END ----- THE END ----- THE END -----
```

```
# 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
```

```
"Server": "Apache/2.4.18 (Ubuntu)"
```

```
# 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|sh|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.html.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 5.4.0)
# 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.html/How_to_enable_OTA_(Over_The_Air)_SIS_install_from_i
AddType application/octet-stream sisx
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}
androidl avantgol blackberryl blazerl compall elainel fennel hiptopl iemobil el ip(honet od)l irisl kimi
l maemol mi dpl mmpl opera\ m(obl in)il palm(\ os) ?l phonel p(ixi re)\l pluckerl pocketl pspl symbi anl ti
(browserl link)l vodafone\ wapl windows\ (cel phone)l xdal xi ino [NC, OR]
#RewriteCond %{HTTP_USER_AGENT} ^([1207|631|61|659|3gsol|4thpl|50[1-6]|770|802|a\ wal abac|aci
)l ai(kol rn)l al(avl cal co)l amoil an(exl nyl yw)l aptul ar(chl go)l as(tel us)l attwl au(dil \-ml r\ l s\
)l avanl be(ckl 11|nq)l bi(1bl rd)l bl(acl az)l br(el v)l bumbi bw\-(nl u)l c55\l capi\ ccwal cdm\l ce11\l
l co(mpl nd)l crawl da(it|11|ng)l dbtel dc\sl devil dical dmobi\ do(cl p)l ds(12| \-
d)l el(49l ai)l em(12l ul)l er(icl k0)l es18l ez([4-7|0l osl wal ze)l fetcl f1y(\-l_)l g1\ ul g560l genel gf
mol go(\ ul od)l gr(adl un)l hai el hci t1 hd\-(ml pl t)l hei \-l hi(ptl ta)l hp(\ il ip)l hs\cl ht(c(\-l \
l _l al gl pl sl t)l tp)l hu(aul tc)l i\-(20l gol ma)l i230l iac(\ l \-
l \)l ibrol ideal ig01l ikoml im1kl innol ipaql irisl ja(tl v)l jbrol jemul jigs\l kddi\ keji\ kgt(\ l \)l ki
l kyo(cl k)l 1e(nol xi)l 1g(\ gl \/(kl 11 u)l 50l 54l e\l -l e\l /l \-[a-w)]l libul 1ynxl m1\-
ul m3gal m50\l ma(tel ul\ xo)l mc(011 211 ca)l m\crl me(dil rcl ri)l mi(o8l oal ts)l mmefl mo(011 02l bi\ del
l ol v)l zz)l mt(50l p11 v\ )l mwbp\l mywal n10[0-2]l n20[2-3]l n30(0l 2)l n50(0l 2l 5)l n7(0(0l 1)l 10)l ne((cl
l onl tfl wfl wgl wt)l nok(6l i)l nzph\l o2iml op(tl uv)l oranl owg\l p800l pan(al dl t)l pdxgl pg(13l \-(11-
8|l c))l phi\l pirel pl(ayl uc)l pn\l -2l po(ckl rt\ se)l proxl psi\l pt\gl qa\l -al qc(07l 12l 21l 32l 60l \-[2-
)l qtek\l r380l r600l raksl rim9l ro(vel zo)l s55\l sa(gel mal mml msl nyl va)l sc(011 h\l -l ool p\l -)l sdk\l sei
l 0l 1)l 47l mcl ndl ri)l sgh\l -l sharl sie(\-l m)l sk\l -0l s1(45l id)l sm(call arl b3l it\ t5)l so(ftl ny)l sp(011
)l sy(011 mb)l t2(18l 50)l t6(00l 10l 18)l ta(gt\ lk)l tc1\l -l tdg\l -l tel(i\ m)l tim\l -l t\l -mol to(p11 sh)l ts(
l m3l m5)l tx\l -9l up(\ bl g1l si)l utstl v400l v750l veri\ vi(rgl te)l vk(40l 5[0-3]l \-
v)l vma40l vodal vul cl vx(52l 53l 60l 61l 70l 80l 81l 83l 85l 98)l w3c(\-l \ )l webcl whi tl wi(g\ l ncl nw)l wml bl
l 2l g)l yas\l -l yourl zetol zte\l -) [NC]
#RewriteRule ^$ http://www.example.com/mobile [R,L]

```