

```
# 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 "\.(appcache|crx|css|eot|gif|htc|icol|jpe?
gl|jsl|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|ttf|ttfl|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](https://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, apcache 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.201110203.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+)\.(j?sl|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.
# If you are hosting your site in subdomains, adjust this accordingly.
```

```
# 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| fl| 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](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](http://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_rsepeated_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>

RewriteEngine on
RewriteRule \.(css|js|jpg|png|gif)$ - [L]
RewriteRule ^(images|css|js)/ - [L]

RewriteRule ^([a-zA-Z0-9_-]+)$ index.php?page=$1
RewriteRule ^([a-zA-Z0-9_-]+)/$ index.php?page=$1
```