

```
# Apache configatron 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/paulirish/html5-boilerplate-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_setenvif.c>
  <IfModule mod_headers.c>
    BrowserMatch MSIE ie
    Header set X-UA-Compatible "IE=Edge,chrome=1" env=ie
  </IfModule>
</IfModule>

<IfModule mod_headers.c>
# Because X-UA-Compatible isn't sent to non-IE (to save header bytes),
# We need to inform proxies that content changes based on UA
  Header append Vary User-Agent
# Cache control is set only if mod_headers is enabled, so that's unnecessary to declare
</IfModule>

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

```
# Cross-domain XMLHttpRequests
# -----

# Serve cross-domain ajax requests, disabled.
# enable-cors.org
# code.google.com/p/html5security/wiki/CrossOriginRequestSecurity

# <IfModule mod_headers.c>
#   Header set Access-Control-Allow-Origin "*"
# </IfModule>

# -----

# Webfont access
# -----

# allow access from all domains for webfonts
# alternatively you could only whitelist
# your subdomains like "sub.domain.com"

<FilesMatch "\.(ttf|otf|eot|woff|font. css)$">
  <IfModule mod_headers.c>
    Header set Access-Control-Allow-Origin "*"
  </IfModule>
</FilesMatch>

# -----

# Proper MIME type for all files
# -----

# audio
AddType audio/ogg          oga ogg
AddType audio/mp4         m4a

# video
AddType video/ogg         ogv
AddType video/mp4        mp4 m4v
AddType video/webm       webm

# Proper svg serving. 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 font/truetype                ttf
```

```
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/x-chrome-extension crx
```

```
AddType application/x-xpinstall        xpi
```

```
AddType application/octet-stream       safariextz
```

```
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|css)$">
```

```
#     Options +Includes
```

```
#     SetOutputFilter INCLUDES
```

```
# </FilesMatch>
```

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

```
# gzip compression
```

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

```

<IfModule mod_deflate.c>

# force deflate for mangled headers developer.yahoo.com/blogs/ydn/posts/2010/12/pushing-
beyond-gzipping/
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase ^(\Accept-EncodXng| X-cept-Encoding| X(15)| ^(15)| -(15))$
    ^((gzip| deflate)\s, ?\s(gzip| deflate)?| X(4,13)| ^(4,13)| -(4,13))$ HAVE_Accept-Encoding
    RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
  </IfModule>
</IfModule>
# html, txt, css, js, json, xml, htc:
<IfModule filter_module>
  FilterDeclare    COMPRESS
  FilterProvider   COMPRESS  DEFLATE resp=Content-Type
/text/(html| css| javascript| plain| x(ml| -component))/
  FilterProvider   COMPRESS  DEFLATE resp=Content-Type /application/(javascript| json| xml| x-
javascript)/
  FilterChain      COMPRESS
  FilterProtocol   COMPRESS  change=yes;byteranges=no
</IfModule>

<IfModule !mod_filter.c>
  # Legacy versions of Apache
  AddOutputFilterByType DEFLATE text/html text/plain text/css application/json
  AddOutputFilterByType DEFLATE text/javascript application/javascript application/x-
javascript
  AddOutputFilterByType DEFLATE text/xml application/xml text/x-component
</IfModule>

# webfonts and svg:
<FilesMatch "\.(ttf|otf|eot|svg)$" >
  SetOutputFilter DEFLATE
</FilesMatch>
</IfModule>

# -----
# Expires headers (for better cache control)
# -----

# these are pretty far-future expires headers

```

```
# they assume you control versioning with cachebusting query params like
# <script src="application.js?20100608">
# 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 (thx 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"
```

```
# rss feed
```

```
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 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 font/truetype         "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"
ExpiresByType text/javascript       "access plus 1 year"

<IfModule mod_headers.c>
  Header append Cache-Control "public"
</IfModule>

</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>
#   <Location />
#     Header set P3P "policyref=\"/w3c/p3p.xml\"", CP="IDC DSP COR ADM DEVI TAIi PSA PSD
IVAI IVDi CONi HIS OUR IND CNT\""
#   </Location>
# </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.

<IfModule mod_rewrite.c>
    Options +FollowSymlinks
    RewriteEngine On
</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. 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.domain.com -> domain.com"*

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

-----

*# Option 2:
To rewrite "domain.com -> www.domain.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]  
#   RewriteCond %{HTTP_HOST} (.+$) [NC]  
#   RewriteRule ^(.*)$ http://www.%1/$1 [R=301,L]  
# </IfModule>
```

-----

Add/remove trailing slash to (non-file) URLs

-----

*# Google treats URLs with and without trailing slashes separately.
Forcing a trailing slash is usually preferred, but all that's really
important is that one correctly redirects to the other.*

By default option 1 (force trailing slash) is activated.
<http://googlewebmastercentral.blogspot.com/2010/04/to-slash-or-not-to-slash.html>
<http://www.alistapart.com/articles/slashforward/>
<http://httpd.apache.org/docs/2.0/misc/rewriteguide.html#url> Trailing Slash Problem

Option 1:
Rewrite "domain.com/foo -> domain.com/foo/"

```
<IfModule mod_rewrite.c>
  RewriteCond %{REQUEST_FILENAME} !-f
  RewriteCond %{REQUEST_URI} !(\.[a-zA-Z0-9]{1,5}|/|/|/(.*)$)
  RewriteRule ^(.*)$ $1/ [R=301,L]
</IfModule>
```

Option 2:
Rewrite "domain.com/foo/ -> domain.com/foo"

```
#<IfModule mod_rewrite.c>
# RewriteRule ^(.*)/$ $1 [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,
read: github.com/paulirish/html5-boilerplate/wiki/Version-Control-with-Cachebusting

```
# Uncomment to enable.
# <IfModule mod_rewrite.c>
# RewriteCond %{REQUEST_FILENAME} !-f
# RewriteCond %{REQUEST_FILENAME} !-d
# RewriteRule ^(.+)\.(\d+)\.(\.css|.png|.gif)$ $1 $3 [1,1]
```

```
# RewriteRule ^(.*)$ https://www.example.com/$1 [R=301,L]
```

```
# </IfModule>
```

```
# -----  
# Prevent SSL cert warnings  
# -----
```

```
# Rewrite secure requests properly to prevent SSL cert warnings, e.g. prevent  
# https://www.domain.com when your cert only allows https://secure.domain.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/$1 [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  
# 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 subset of file formats
```

Force UTF-8 for a number of file formats

AddCharset utf-8 .html .css .js .xml .json .rss

-----

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).

Options -Indexes

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>

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

</IfModule>

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
# 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
# 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>