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# 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

###
### 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>

# -----
# -----

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```
# 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

# video
AddType video/ogg                 ogv
AddType video/mp4                 mp4
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

# -----
# 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>
```

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# 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-EncodXngl X-cept-Encodingl X(15)l ""(15)l -(15))$
    ^((gzip|deflate)\s,?\s(gzip|deflate)?l X(4,13)l ""(4,13)l -(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 2 months"
ExpiresByType application/javascript "access plus 2 months"
ExpiresByType text/javascript "access plus 2 months"

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

</IfModule>

# -----
# ETag removal
# -----

# 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.

<IfModule mod_rewrite.c>
    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/all.20110203.css to /res/all.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+)\. (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.domain.com when your cert only allows https://secure.domain.com
```

```
# https://www.domain.com when your server 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/3888792.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 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 is either none or it will not work. In this case
```

```
## 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
```