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# Apache configuration 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/h5bp/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_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*
  <FilesMatch "\.(js|css|gif|png|jpe?
gl|pdf|xml|ogal|oggl|m4al|ogvl|mp4l|m4vl|webml|svgl|svgz|eotl|ttfl|otfl|woff|icof|webpl|appcache|manifest|
>
  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/apis/ajax/cors/docs/cors-overview/enable-cors.html
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# code.google.com/p/nginx-security/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|png|jpe?g|svg|ico|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 "\.(ttf|tfc|otf|eot|woff|font.css)$">
    Header set Access-Control-Allow-Origin "*"
  </FilesMatch>
</IfModule>

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

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Proper MIME type for all files

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JavaScript

Normalize to standard type (it's sniffed in IE anyways)

tools.ietf.org/html/rfc4329#section-7.2

AddType application/javascript js

Audio

AddType audio/ogg oga ogg

AddType audio/mp4 m4a

Video

AddType video/ogg ogv

AddType video/mp4 mp4 m4v

AddType video/webm webm

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 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-opera-extension oex

AddType application/x-xpinstall xpi

AddType application/octet-stream safariextz

AddType application/x-web-app-manifest+json webapp

AddType text/x-vcard vcf

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# -----
# 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$" >
# Options +Includes
# AddOutputFilterByType INCLUDES application/javascript application/json
# SetOutputFilter INCLUDES
</FilesMatch>
<FilesMatch "\.combined\.css$" >
# 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)\
HAVE_Accept-Encoding
    RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
  </IfModule>
</IfModule>

# HTML, TXT, CSS, JavaScript, JSON, XML, HTC:

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<IfModule filter_module>
  FilterDeclare    COMPRESS
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/html
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/css
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/plain
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/xml
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $text/x-component
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/javascript
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/json
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/xml
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/xhtml+xml
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/rss+xml
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/atom+xml
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/vnd.ms-fontobject
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $image/svg+xml
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $image/x-icon
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $application/x-font-ttf
  FilterProvider   COMPRESS DEFLATE resp=Content-Type $font/opentype
  FilterChain      COMPRESS
  FilterProtocol   COMPRESS DEFLATE 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 application/javascript
  AddOutputFilterByType DEFLATE text/xml application/xml text/x-component
  AddOutputFilterByType DEFLATE application/xhtml+xml application/rss+xml application/atom
  AddOutputFilterByType DEFLATE image/x-icon image/svg+xml application/vnd.ms-fontobject :
font/opentype
</IfModule>

</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">

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# 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.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 text/xml                             "access plus 0 seconds"
    ExpiresByType application/xml                     "access plus 0 seconds"
    ExpiresByType application/json                    "access plus 0 seconds"

    # Feed
    ExpiresByType application/rss+xml                 "access plus 1 hour"
    ExpiresByType application/atom+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/cache-manifest                  "access plus 0 seconds"
```

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ExpiresByType text/x-component      "access plus 1 month"

# Webfonts
ExpiresByType application/x-font-ttf "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"

</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

```

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# -----
# 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 IW
#   </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>
# For security reasons, Option followsymlinks cannot be overridden.
# Options +FollowSymLinks
  Options +SymLinksIfOwnerMatch
  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
# 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.
```



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# -----
# 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:
# To rewrite "example.com -> www.example.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]
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,
# read: github.com/h5bp/html5-boilerplate/wiki/Version-Control-with-Cachebusting

# Uncomment to enable.
# <IfModule mod_rewrite.c>
# RewriteCond %{REQUEST_FILENAME} !-f
# RewriteCond %{REQUEST_FILENAME} !-d

```



```
ModCharset utf-8 .css .js .xml .json .rss .atom
```

```
# -----  
# 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 thi  
# 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 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  
    RewriteCond %{SCRIPT_FILENAME} -f  
    RewriteRule "(^|/)\." - [F]  
</IfModule>  
  
# Block access to backup and source files  
# This files may be left by some text/html editors and  
# pose a great security danger, when someone can access them  
<FilesMatch "(\\. (bak|config|sql|fla|psd|ini|log|sh|incl|swp|dist)|")$">  
    Order allow,deny  
    Deny from all  
    Satisfy All  
</FilesMatch>  
  
<IfModule mod_rewrite.c>  
    RewriteCond %{REQUEST_FILENAME} !-d  
    RewriteCond %{REQUEST_FILENAME} !-f  
    RewriteRule ^(.*)$ /index.php/$1 [L]  
</IfModule>
```

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.....
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```
# 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
# 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 php5_module>
    php_value session.cookie_httponly true
</IfModule>
```