

```

# Apache Configuration File
# https://github.com/h5bp/server-configs-apache

# (!) Using `.htaccess` files slows down Apache, therefore, if you have access
# to the main server config file (usually called `httpd.conf`), you should add
# this logic there: http://httpd.apache.org/docs/current/howto/htaccess.html.

# #####
# # CROSS-ORIGIN RESOURCE SHARING (CORS) #
# #####

# -----
# | Cross-domain AJAX requests |
# -----

# Enable cross-origin AJAX requests.
# http://code.google.com/p/html5security/wiki/CrossOriginRequestSecurity
# http://enable-cors.org/

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

# -----
# | CORS-enabled images |
# -----

# Send the CORS header for images when browsers request it.
# https://developer.mozilla.org/en/CORS\_Enabled\_Image
# http://blog.chromium.org/2011/07/using-cross-domain-images-in-webgl-and.html
# http://hacks.mozilla.org/2011/11/using-cors-to-load-webgl-textures-from-cross-domain-images/

<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    <FilesMatch "\.(gif|ico|jpe?g|png|svgz?|webp)$">
      SetEnvIf Origin ":" IS_CORS
      Header set Access-Control-Allow-Origin "*" env=IS_CORS
    </FilesMatch>
  </IfModule>
</IfModule>

```

```
# -----  
# | Web fonts access |  
# -----
```

```
# Allow access from all domains for web fonts
```

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

```
# #####  
# # ERRORS #  
# #####
```

```
# -----  
# | 404 error prevention for non-existing redirected folders |  
# -----
```

```
# Prevent Apache from returning a 404 error for a rewrite if a directory  
# with the same name does not exist.  
# http://httpd.apache.org/docs/current/content-negotiation.html#multiviews  
# http://www.webmasterworld.com/apache/3808792.htm
```

Options -MultiViews

```
# -----  
# | Custom error messages / pages |  
# -----
```

```
# You can customize what Apache returns to the client in case of an error (see  
# http://httpd.apache.org/docs/current/mod/core.html#error.document), e.g.:
```

```
ErrorDocument 404 /404.html
```

```
# #####  
# # INTERNET EXPLORER #  
# #####
```

```

# -----
# | Better website experience |
# -----

# Force IE to render pages in the highest available mode in the various
# cases when it may not: http://hsivonen.iki.fi/doctype/ie-mode.pdf.

<IfModule mod_headers.c>
    Header set X-UA-Compatible "IE=edge"
    # `mod_headers` can't match based on the content-type, however, we only
    # want to send this header for HTML pages and not for the other resources
    <FilesMatch "\.(appcache|crx|css|eot|gif|html|ico|jpe?
gl|js|m4a|m4v|manifest|mp4|oex|ogal|oggl|ogv|otf|pdf|png|safariextz|svgz?
|ttf|vcf|webapp|webm|webp|woff|xml|xpi)$">
        Header unset X-UA-Compatible
    </FilesMatch>
</IfModule>

# -----
# | Cookie setting from iframes |
# -----

# Allow cookies to be set from iframes in IE.

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

# -----
# | Screen flicker |
# -----

# Stop screen flicker in IE on CSS rollovers (this only works in
# combination with the `ExpiresByType` directives for images from below).

# BrowserMatch "MSIE" brokenvary=1
# BrowserMatch "Mozilla/4.[0-9]{2}" brokenvary=1
# BrowserMatch "Opera" !brokenvary
# SetEnvIf brokenvary 1 force-no-vary

```

```

# #####
# # MIME TYPES AND ENCODING #
# #####

# -----
# | Proper MIME types for all files |
# -----

<IfModule mod_mime.c>

# Audio
AddType audio/mp4 m4a f4a f4b
AddType audio/ogg oga ogg

# JavaScript
# Normalize to standard type (it's sniffed in IE anyways):
# http://tools.ietf.org/html/rfc4329#section-7.2
AddType application/javascript js
AddType application/json json

# Video
AddType video/mp4 mp4 m4v f4v f4p
AddType video/ogg ogv
AddType video/webm webm
AddType video/x-flv flv

# Web fonts
AddType application/font-woff woff
AddType application/vnd.ms-fontobject eot

# Browsers usually ignore the font MIME types and sniff the content,
# however, Chrome shows a warning if other MIME types are used for the
# following fonts.
AddType application/x-font-ttf ttc ttf
AddType font/opentype otf

# Make SVGZ fonts work on iPad:
# https://twitter.com/FontSquirrel/status/14855840545
AddType image/svg+xml svg svgz
AddEncoding gzip svgz

```

Other

```
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                   atom rdf rss xml
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
```

</IfModule>

```
# -----
# | UTF-8 encoding |
# -----
```

Use UTF-8 encoding for anything served as `text/html` or `text/plain`.

```
AddDefaultCharset utf-8
```

Force UTF-8 for certain file formats.

<IfModule mod_mime.c>

```
AddCharset utf-8 .atom .css .js .json .rss .vtt .webapp .xml
```

</IfModule>

```
# #####
# # URL REWRITES #
# #####
```

```
# -----
# | Rewrite engine |
# -----
```

*# Turning on the rewrite engine and enabling the `FollowSymLinks` option is
necessary for the following directives to work.*

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://httpd.apache.org/docs/current/misc/perf-tuning.html#symlinks

# Also, some cloud hosting services require `RewriteBase` to be set:
# http://www.rackspace.com/knowledge_center/frequently-asked-question/why-is-mod-rewrite-not-working-on-my-site

<IfModule mod_rewrite.c>
    Options +FollowSymlinks
    # Options +SymLinksIfOwnerMatch
    RewriteEngine On
    # RewriteBase /
</IfModule>

# -----
# | Suppressing / Forcing 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. This can cause SEO problems
# (duplicate content), therefore, you should choose one of the alternatives and
# redirect the other one.

# By default option 1 (no "www.") is activated:
# http://no-www.org/faq.php?q=class_b

# If you'd prefer to use option 2, just comment out all the lines from option 1
# and uncomment the ones from 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 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} !=localhost [NC]
#     RewriteCond %{HTTP_HOST} !=127.0.0.1
#     RewriteRule ^http://www.%{HTTP_HOST}%{REQUEST_URI} [R=301,L]
# </IfModule>

# #####
# # SECURITY #
# #####

# -----
# | Content Security Policy (CSP) |
# -----

# You can mitigate the risk of cross-site scripting and other content-injection
# attacks by setting a Content Security Policy which whitelists trusted sources
# of content for your site.

# The example header below allows ONLY scripts that are loaded from the current
# site's origin (no inline scripts, no CDN, etc). This almost certainly won't
# work as-is for your site!

# To get all the details you'll need to craft a reasonable policy for your site,
# read: http://html5rocks.com/en/tutorials/security/content-security-policy (or
# see the specification: http://w3.org/TR/CSP).

# <IfModule mod_headers.c>
#     Header set Content-Security-Policy "script-src 'self'; object-src 'self'"
#     <FilesMatch "\.(appcache|crx|css|eot|gif|htc|ico|jpe?
#     |js|m4a|m4v|manifest|mp4|oex|ogal|oggl|ogvl|otf|pdf|png|safariextz|svgz?
#     |ttf|vcf|webapp|webm|webpl|woff|xml|xpi)$">
#         Header unset Content-Security-Policy

```

```
# </FilesMatch>
# </IfModule>

# -----
# | File access |
# -----

# Block access to directories without a default document.
# Usually you should leave this uncommented because you shouldn't allow anyone
# to surf through every directory on your server (which may includes rather
# private places like the CMS's directories).

<IfModule mod_autoindex.c>
    Options -Indexes
</IfModule>

# -----

# Block access to hidden files and directories.
# This includes directories used by version control systems such as Git and SVN.

<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 editors and can pose a great security
# danger when anyone has access to them.

<FilesMatch "(^#.#|\. (bak| config| dist| fl| incl| ini| log| psd| sh| sql| sw[op])| (^)$">
    Order allow,deny
    Deny from all
    Satisfy All
</FilesMatch>

# -----
# | Secure Sockets Lauer (SSL) |
# -----
```



```
.. -----  
# -----  
  
# Rewrite secure requests properly to prevent SSL certificate warnings, e.g.:  
# prevent `https://www.example.com` when your certificate 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>  
  
# -----  
# | HTTP Strict Transport Security (HSTS) |  
# -----  
  
# Force client-side SSL redirection.  
  
# If a user types "example.com" in his browser, the above rule will redirect  
# him to the secure version of the site. That still leaves a window of oppor-  
# tunity (the initial HTTP connection) for an attacker to downgrade or redirect  
# the request. The following header ensures that browser will ONLY connect to  
# your server via HTTPS, regardless of what the users type in the address bar.  
# http://tools.ietf.org/html/draft-ietf-websec-strict-transport-sec-14#section-6.1  
# http://www.html5rocks.com/en/tutorials/security/transport-layer-security/  
  
# (!) Remove the `includeSubDomains` optional directive if the subdomains are  
# not using HTTPS.  
  
# <IfModule mod_headers.c>  
#   Header set Strict-Transport-Security "max-age=16070400; includeSubDomains"  
# </IfModule>  
  
# -----  
# | Server software information |  
# -----  
  
# Avoid displaying the exact Apache version number, the description of the  
# generic OS-type and the information about Apache's compiled-in modules.  
  
# ADD THIS DIRECTIVE IN THE `httpd.conf` AS IT WILL NOT WORK IN THE `htaccess`!
```

```
# ServerTokens Prod
```

```
# #####  
# # WEB PERFORMANCE #  
# #####
```

```
# -----  
# | Compression |  
# -----
```

```
<IfModule mod_deflate.c>
```

```
    # Force compression for mangled headers.
```

```
    # http://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*)+ [X"-]{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).
```

```
    <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/x-web-app-manifest+json \
```

```
        application/xhtml+xml \
```

```
        application/xml \
```

```
        font/opentype \
```

```
        image/svg+xml \
```

```
        image/x-icon \
```

```
        text/css \
```

```
        text/html \
```

```
text/html \
text/plain \
text/x-component \
text/xml
```

```
</IfModule>
```

```
</IfModule>
```

```
# -----
# | Content transformations |
# -----
```

```
# Prevent some of the mobile network providers from modifying the content of
# your site: http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.9.5.
```

```
# <IfModule mod_headers.c>
#   Header set Cache-Control "no-transform"
# </IfModule>
```

```
# -----
# | ETag removal |
# -----
```

```
# Since we're sending far-future expires headers (see below), ETags can
# be removed: http://developer.yahoo.com/performance/rules.html#etags.
```

```
# `FileETag None` is not enough for every server.
```

```
<IfModule mod_headers.c>
```

```
    Header unset ETag
```

```
</IfModule>
```

```
FileETag None
```

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

```
# The following expires headers are set pretty far in the future. If you don't
# control versioning with filename-based cache busting, consider lowering the
# cache time for resources like CSS and JS to something like 1 week.
```

```
<IfModule mod_expires.c>
```

```
ExpiresActive on  
ExpiresDefault "access plus 1 month"
```

```
# CSS
```

```
ExpiresByType text/css "access plus 1 year"
```

```
# Data interchange
```

```
ExpiresByType application/json "access plus 0 seconds"
```

```
ExpiresByType application/xml "access plus 0 seconds"
```

```
ExpiresByType text/xml "access plus 0 seconds"
```

```
# Favicon (cannot be renamed!)
```

```
ExpiresByType image/x-icon "access plus 1 week"
```

```
# HTML components (HTCs)
```

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

```
# HTML
```

```
ExpiresByType text/html "access plus 0 seconds"
```

```
# JavaScript
```

```
ExpiresByType application/javascript "access plus 1 year"
```

```
# Manifest files
```

```
ExpiresByType application/x-web-app-manifest+json "access plus 0 seconds"
```

```
ExpiresByType text/cache-manifest "access plus 0 seconds"
```

```
# Media
```

```
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"
```

```
# Web feeds
```

```
ExpiresByType application/atom+xml "access plus 1 hour"
```

```
ExpiresByType application/rss+xml "access plus 1 hour"
```

```

# Web fonts
ExpiresByType application/font-woff           "access plus 1 month"
ExpiresByType application/vnd.ms-fontobject  "access plus 1 month"
ExpiresByType application/x-font-ttf         "access plus 1 month"
ExpiresByType font/opentype                  "access plus 1 month"
ExpiresByType image/svg+xml                  "access plus 1 month"

</IfModule>

# -----
# | Filename-based cache busting |
# -----

# If you're not using a build process to manage your filename version revwing,
# you might want to consider enabling the following directives to route all
# requests such as /css/style.12345.css to /css/style.css.

# To understand why this is important and a better idea than *.css?v231, read:
# http://stevesouders.com/blog/2008/08/23/revwing-filenames-dont-use-querystring

# <IfModule mod_rewrite.c>
#     RewriteCond %{REQUEST_FILENAME} !-f
#     RewriteRule ^(.+)%(\d+)%(\.j?sl?css?png?jpg?gif)?$ $1.$3 [L]
# </IfModule>

# -----
# | File concatenation |
# -----

# Allow concatenation from within specific CSS and JS files, e.g.:
# Inside of script.combined.js you could have
# <!--#include file="libs/jquery.js" -->
# <!--#include file="plugins/jquery.idletimer.js" -->
# and they would be included into this single file.

# <IfModule mod_include.c>
#     <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>
# </IfModule>

# -----
# | Persistent connections |
# -----

# Allow multiple requests to be sent over the same TCP connection:
# http://httpd.apache.org/docs/current/en/mod/core.html#keepalive

# Enable if you serve a lot of static content but, be aware of the
# possible disadvantages!

# <IfModule mod_headers.c>
#     Header set Connection Keep-Alive
# </IfModule>

# #####
# # MOBILE SPECIFIC #
# #####

# Proper MIME types

<IfModule mod_mime.c>

# Blackberry
# http://docs.blackberry.com/en/developers/deliverables/18169/
AddType application/x-bb-appworld          bbaw
AddType text/vnd.rim.location.xloc         xloc

# Nokia
#
# http://www.developer.nokia.com/Community/Wiki/Apache_configuration_for_mobile_application_d
#
# http://wiki.forum.nokia.com/index.php/How_to_enable_OTA_(Over_The_Air)_SIS_install_from_you
AddType application/octet-stream          six

```

AddType application/vnd.symbian.install

sis

</IfModule>

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, and second, change
'http://www.example.com/mobile' to the URL of your mobile site.

<IfModule mod_rewrite.c>

RewriteEngine On

RewriteBase /

RewriteCond %{HTTP_USER_AGENT}

android|avantgo|blackberry|blazer|compal|elaine|fennec|hiptop|iemobile|ip(hone|od)|iris|kin
|maemo|midp|mmp|opera\ m(ob|in)i|palm(\ os)?|phone|p(ixi|re)\|plucker|pocket|psp|symbian|t
(browser|link)|vodafone|wap|windows\ (cel|phone)|xda|xiino [NC,OR]

#RewriteCond %{HTTP_USER_AGENT} ^(1207|6310|6590|3gso|4thp|50[1-6]i|770s|802s|a\
wal|abacl|ac(er|ool|s)\-

)|ai(kol|rn)|al(av|cal|co)|amoi|an(ex|nyl|yu)|aptul|ar(ch|go)|as(tel|us)|attw|au(di|l\ -m|r\ |s\
)|avan|be(ckl|ll|nq)|bi(1bl|rd)|bl(ac|az)|br(el|v)w|bumbl|bu\-(nl|u)|c55\|capil|ccwal|cdm\
|cell|chtml|cl|dcl|cmd\ -|co(mpl|nd)|crawl|da(i|t|ll|ng)|dbtel|dc\ -|devil|di|cal|dmobl|do(c|p)|ds(12|\
d)|el(49|ai)|em(12|u)|er(i|cl|k0)|es|8l|ez([4-7]0|osl|wal|ze)|fetcl|f1y(\ -|_)|g1\ |ul|g560|genel|gf\
mol|go(\. |w|od)|gr(ad|un)|hai|el|hci|tl|hd\ -(ml|pl|t)|hei\ -|hi(plt|ta)|hp(\ |il|ip)|hs\ -|cl|ht(c\ -|)

I _J al gl pl sl t)I tp)I hu(awl tc)I i\-(20I gol ma)I i230I iac(\ I \-
I \)I ibrol ideal ig0I ikomI im1kl innol ipaqI irisl ja(ti v)al jbrol jemul jigsI kddil kejiI kgt(\ I \)I ka
I kw\ -I kyo(cl k)I le(nol xi)I lg(\ gl \ (kl I I u)I 50I 54I e\ -I e\ /I \ -[a-u)I libul lynxl mI \ -
ul m3gal m50\ /I ma(tel uI xo)I mc(0I I 2I ca)I m\ -crl me(dil rcl ri)I mi(o8I oal ts)I mmefI mo(0I I 02I bil del
I ol v)I zz)I mt(50I pI I v\)I mubpl mywal n10[0-2I n20[2-3I n30(0I 2)I n50(0I 2I 5)I n7(0(0I 1)I 10)I ne((cl
I onI tfl wfl wgl wt)I nok(6I i)I nzphI o2imI op(tiI uv)I oranI ougI p800I pan(al dl t)I pdxgl pg(13I \ -(11-
8)I c)I phiI I pi rel pl(ayl uc)I pn\ -2I po(ckI rti se)I proxI psi ol pt\ -gl qa\ -al qc(07I 12I 2I 32I 60I \ -(2-
)I qtekl r380I r600I raxI rim9I ro(vel zo)I s55\ /I sa(gel mal mml msl nyl va)I sc(0I I h\ -I ool p\ -)I sdk\ /I se
I 0I 1)I 47I mcl ndI ri)I sgh\ -I sharI sie(\ -I m)I sk\ -0I sl(45I id)I sm(all arI b3I iti t5)I so(fti ny)I sp(0I I I
I v\)I sy(0I I mb)I t2(18I 50)I t6(00I 10I 18)I ta(gtI lk)I tcI \ -I tdg\ -I tel(il m)I tim\ -I t\ -
mol to(pI I sh)I ts(70I m\ -I m3I m5)I tx\ -9I up(\ . bl glI si)I utstI v400I v750I veril vi(rgl te)I vk(40I 5[0-3.
v)I vm40I vodai vul cl vx(52I 53I 60I 61I 70I 80I 81I 83I 85I 98)I w3c(\ -I \)I webcl whi ti wi(g\
I ncl nw)I umI bl wonul x700I xda(\ -I 2I g)I yas\ -I yourI zetol zte\ -) [NC]
RewriteRule ^\$ http://www.example.com/mobile [R,L]
</IfModule>