```
# Apache Configuration File

# (!) 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.

# http://www.appneta.com/blog/bootstrap-pagespeed/
<IfModule pagespeed_module>
    ModPageSpeed off
#    ModPagespeedRewriteLevel CoreFilters
#    ModPagespeedEnableFilters prioritize_critical_css
#    ModPagespeedEnableFilters defer_javascript
#    ModPagespeedEnableFilters sprite_images
#    ModPagespeedEnableFilters convert_png_to_jpeg,convert_jpeg_to_webp
#    ModPagespeedEnableFilters collapse_whitespace,remove_comments
</IfModule>

# ##############################################################################
# # 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-image

<IfModule mod_setenvif.c>
    <IfModule mod_headers.c>
        <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>


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


# Allow access from all domains for web fonts

<IfModule mod_headers.c>
    <FilesMatch "\.(eot|font.css|otf|ttc|ttf|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#errordocument), e.g.:

ErrorDocument 404 /404app.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.
# Use, if installed, Google Chrome Frame.

<IfModule mod_headers.c>
    Header set X-UA-Compatible "IE=edge,chrome=1"
    # `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|htc|ico|jpe?
g|js|m4a|m4v|manifest|mp4|oex|oga|ogg|ogv|otf|pdf|png|safariextz|svg|svgz|ttf|vcf|webapp|wet
        Header unset X-UA-Compatible
    </FilesMatch>
</IfModule>


# ##############################################################################
# # 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 jsonp
  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-no

<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>

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

# ######################################################################
# # 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'"
    Header set Content-Security-Policy "object-src 'self'"
    <FilesMatch "\.(appcache|crx|css|eot|gif|htc|ico|jpe?
g|js|m4a|m4v|manifest|mp4|oex|oga|ogg|ogv|otf|pdf|png|safariextz|svg|svgz|ttf|vcf|webapp|web
        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>
```

```apache
# - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

# 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|fla|inc|ini|log|psd|sh|sql|sw[op])|~)$">
    Order allow,deny
    Deny from all
    Satisfy All
</FilesMatch>


# ##############################################################################
# # 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-EncodXng|X-cept-Encoding|X{15}|~{15}|-{15})$ ^((gzip|def
{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/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
```

```
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/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>
```