

```
# Apache Server Configs v2.14.0 | MIT License
# https://github.com/h5bp/server-configs-apache
```

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

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

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

```
# -----
# | Error prevention |
# -----
```

```
Options -MultiViews
```

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

```
# -----
# | Document modes |
# -----
```

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

```
Header set X-UA-Compatible "IE=edge"
```

```
<FilesMatch "\.
```

```
(appcache|atom|bowl|bmp|css|curl|eot|f4[abpv]|flv|geojson|gif|htc|ico|jpe?
```

```
g|js|json(1d)?
```

```
|m4[av]|manifest|map|mp4|oex|og[agv]|opus|otf|pdf|png|rdf|rss|safariextz|svgz?
```

```
|swf|topojson|tt[cf]|txt|vcard|vcf|vtt|webapp|web[mp]|webmanifest|woff2?|xloc|xml|xpi)$">
```

```
Header unset X-UA-Compatible
```

```
</FilesMatch>
```

```
</IfModule>
```

```
# #####
# # MEDIA TYPES OUR SUPPORTED SUBTYPES #
```

```

# # MEDIA TYPES AND CHARACTER ENCODINGS #
# #####

# -----
# / Media types /
# -----

<IfModule mod_mime.c>

    # Data interchange
    AddType application/atom+xml          atom
    AddType application/json              json map topjson
    AddType application/ld+json          jsonld
    AddType application/rss+xml          rss
    AddType application/vnd.geo+json     geojson
    AddType application/xml              rdf xml

    # JavaScript
    AddType application/javascript        js

    # Manifest files
    AddType application/manifest+json    webmanifest
    AddType application/x-web-app-manifest+json webapp
    AddType text/cache-manifest          appcache

    # Media files
    AddType audio/mp4                    f4a f4b m4a
    AddType audio/ogg                     oga ogg opus
    AddType image/bmp                     bmp
    AddType image/svg+xml                 svg svgz
    AddType image/webp                    webp
    AddType video/mp4                     f4v f4p m4v mp4
    AddType video/ogg                     ogv
    AddType video/webm                    webm
    AddType video/x-flv                   flv

    # Serving `.ico` image files with a different media type
    AddType image/x-icon                   cur ico

    # Web fonts
    AddType application/font-woff         woff
    AddType application/font-woff2        woff2

```

```
AddType application/font-woff2          woff2
AddType application/vnd.ms-fontobject    eot
AddType application/x-font-ttf           ttc ttf
AddType font/opentype                    otf
```

Other

```
AddType application/octet-stream        safariextz
AddType application/x-bb-appworld        bbaw
AddType application/x-chrome-extension   crx
AddType application/x-opera-extension     oex
AddType application/x-xpinstall          xpi
AddType text/vcard                       vcard vcf
AddType text/vnd.rim.location.xloc       xloc
AddType text/vtt                         vtt
AddType text/x-component                 htc
```

</IfModule>

```
# -----
# | Character encodings |
# -----
```

```
AddDefaultCharset utf-8
```

<IfModule mod_mime.c>

```
AddCharset utf-8 .atom \
               .bbaw \
               .css \
               .geojson \
               .js \
               .json \
               .jsonld \
               .manifest \
               .rdf \
               .rss \
               .topojson \
               .vtt \
               .webapp \
               .webmanifest \
               .xloc \
               .xml
```

</IfModule>

```

# #####
# # REWRITES #
# #####

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

<IfModule mod_rewrite.c>
    RewriteEngine On
    Options +SymLinksIfOwnerMatch

    RewriteCond %{HTTPS} =on
    RewriteRule ^ - [env=proto:https]
    RewriteCond %{HTTPS} !=on
    RewriteRule ^ - [env=proto:http]
</IfModule>

# -----
# | Suppressing / Forcing the `www.` at the beginning of URLs |
# -----

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

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

# -----
# | HTTP Strict Transport Security (HSTS) |
# -----

<IfModule mod_headers.c>
    Header always set Strict-Transport-Security "max-age=3600"
</IfModule>

```

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

<IfModule mod_headers.c>
  Header set Content-Security-Policy "default-src 'self' www.googletagmanager.com; script-
src 'self' 'unsafe-inline' www.googletagmanager.com www.google-analytics.com
cdn.ampproject.org; style-src 'self' 'unsafe-inline' cdn.jsdelivr.net
fonts.googleapis.com; img-src 'self' data: gravatar.com www.google-analytics.com; font-src
cdn.jsdelivr.net fonts.gstatic.com; child-src www.googletagmanager.com; frame-ancestors
www.googletagmanager.com; upgrade-insecure-requests; block-all-mixed-content; reflected-
xss block;referrer no-referrer-when-downgrade;"

  <FilesMatch "\.
(appcache|atom|bbaw|bml|crl|css|curl|eot|f4[abpv]|flv|geojson|gif|htcl|icol|jpe?
|j|j|json|ld)?
|m4[av]|manifest|map|mp4|oex|og[agv]|opus|otf|pdf|png|rdf|rss|safariextz|svgz?
|swf|topojson|tt[cf]|txt|vcard|vcf|vtt|webapp|web[mp]|webmanifest|woff2?|xlcl|xml|xpi)$">
    Header unset Content-Security-Policy-Report-Only
  </FilesMatch>
</IfModule>

# -----
# | Clickjacking |
# -----

<IfModule mod_headers.c>
  Header set X-Frame-Options "DENY"

  <FilesMatch "\.
(appcache|atom|bbaw|bml|crl|css|curl|eot|f4[abpv]|flv|geojson|gif|htcl|icol|jpe?
|j|j|json|ld)?
|m4[av]|manifest|map|mp4|oex|og[agv]|opus|otf|pdf|png|rdf|rss|safariextz|svgz?
|swf|topojson|tt[cf]|txt|vcard|vcf|vtt|webapp|web[mp]|webmanifest|woff2?|xlcl|xml|xpi)$">
    Header unset X-Frame-Options
  </FilesMatch>
</IfModule>

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

```
# -----

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

# -----
# | Reducing MIME type security risks |
# -----

<IfModule mod_headers.c>
    Header set X-Content-Type-Options "nosniff"
</IfModule>

# -----
# | Reflected Cross-Site Scripting (XSS) attacks |
# -----

<IfModule mod_headers.c>
    Header set X-XSS-Protection "1; mode=block"

    <FilesMatch "\.
(appache|atom|bbaw|bmp|crx|css|curl|eot|f4[abpv]|flv|geojson|gif|htc|ico|jpe?
|j|j|json|ld)?
|m4[av]|manifest|map|mp4|oex|og[agv]|opus|otf|pdf|png|rdf|rss|safariextz|svgz?
|swf|topojson|tt[cf]|txt|vcard|vcf|vtl|webapp|web[mp]|webmanifest|woff2?|x|oc|xml|xpi)$">
        Header unset X-XSS-Protection
    </FilesMatch>
</IfModule>

# -----
# | Server-side technology information |
# -----

<IfModule mod_headers.c>
    Header unset X-Powered-By
</IfModule>

# -----
# | Server software information |
# -----
```

ServerSignature Off

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

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

<IfModule mod_deflate.c>
  <IfModule mod_setenvif.c>
    <IfModule mod_headers.c>
      SetEnvIfNoCase ^(\Accept-EncodXng|X-cept-Encoding|X(15)|^(15)|-(15))$
      ^((gzip|deflate)\s*,?\s*)+([X"-]{4,13})$ HAVE_Accept-Encoding
      RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
    </IfModule>
  </IfModule>

  AddOutputFilterByType DEFLATE "application/atom+xml" \
    "application/javascript" \
    "application/json" \
    "application/ld+json" \
    "application/manifest+json" \
    "application/rdf+xml" \
    "application/rss+xml" \
    "application/schema+json" \
    "application/vnd.geo+json" \
    "application/vnd.ms-fontobject" \
    "application/x-font-ttf" \
    "application/x-javascript" \
    "application/x-web-app-manifest+json" \
    "application/xhtml+xml" \
    "application/xml" \
    "font/eot" \
    "font/opentype" \
    "image/bmp" \
    "image/svg+xml" \
    "image/vnd.microsoft.icon" \
    "image/x-icon" \
```

```
"text/cache-manifest" \  
"text/css" \  
"text/html" \  
"text/javascript" \  
"text/plain" \  
"text/vcard" \  
"text/vnd.rim.location.xloc" \  
"text/vtt" \  
"text/x-component" \  
"text/x-cross-domain-policy" \  
"text/xml"
```

```
<IfModule mod_mime.c>  
  AddEncoding gzip          svgz  
</IfModule>  
</IfModule>
```

```
# -----  
# | ETags |  
# -----
```

```
# `FileETag None` doesn't work in all cases.
```

```
<IfModule mod_headers.c>  
  Header unset ETag  
</IfModule>
```

```
FileETag None
```

```
# -----  
# | Expires headers |  
# -----
```

```
<IfModule mod_expires.c>  
  ExpiresActive on  
  ExpiresDefault           "access plus 1 hour"  
  
  # CSS  
  ExpiresByType text/css  "access plus 1 hour"  
  
  # Data interchange  
  ExpiresByType application/atom+xml "access plus 1 hour"
```



```

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

ExpiresByType application/json "access plus 0 seconds"
ExpiresByType application/ld+json "access plus 0 seconds"
ExpiresByType application/schema+json "access plus 0 seconds"
ExpiresByType application/vnd.geo+json "access plus 0 seconds"
ExpiresByType application/xml "access plus 0 seconds"
ExpiresByType text/xml "access plus 0 seconds"

# Favicon
ExpiresByType image/vnd.microsoft.icon "access plus 1 week"
ExpiresByType image/x-icon "access plus 1 week"

# HTML
ExpiresByType text/html "access plus 0 seconds"

# JavaScript
ExpiresByType application/javascript "access plus 1 hour"
ExpiresByType application/x-javascript "access plus 1 hour"
ExpiresByType text/javascript "access plus 1 hour"

# Manifest files
ExpiresByType application/manifest+json "access plus 1 day"
ExpiresByType application/x-web-app-manifest+json "access plus 0 seconds"
ExpiresByType text/cache-manifest "access plus 0 seconds"

# Media files
ExpiresByType audio/ogg "access plus 1 hour"
ExpiresByType image/bmp "access plus 1 hour"
ExpiresByType image/gif "access plus 1 hour"
ExpiresByType image/jpeg "access plus 1 hour"
ExpiresByType image/png "access plus 1 hour"
ExpiresByType image/svg+xml "access plus 1 hour"
ExpiresByType image/webp "access plus 1 hour"
ExpiresByType video/mp4 "access plus 1 hour"
ExpiresByType video/ogg "access plus 1 hour"
ExpiresByType video/webm "access plus 1 hour"

# Embedded OpenType (EOT)
ExpiresByType application/vnd.ms-fontobject "access plus 1 hour"

```

```
ExpiresByType application/vnd.ms-fontobject "access plus 1 hour"
ExpiresByType font/eot "access plus 1 hour"

# OpenType
ExpiresByType font/opentype "access plus 1 hour"

# TrueType
ExpiresByType application/x-font-ttf "access plus 1 hour"

# Web Open Font Format (WOFF) 1.0
ExpiresByType application/font-woff "access plus 1 hour"
ExpiresByType application/x-font-woff "access plus 1 hour"
ExpiresByType font/woff "access plus 1 hour"

# Web Open Font Format (WOFF) 2.0
ExpiresByType application/font-woff2 "access plus 1 hour"

# Other
ExpiresByType text/x-cross-domain-policy "access plus 1 hour"
</IfModule>
```