

```

# Apache Server Configs v2.5.0 | MIT License
# 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.

# AuthName "Restricted Area"
# AuthType Basic
# AuthUserFile /kunden/273756_1070/webseiten/kitschbitchw2/.htpasswd
# AuthGroupFile /dev/null
# require valid-user

# #####
# # ERRORS #
# #####

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

# Customize what Apache returns to the client in case of an error.
# http://httpd.apache.org/docs/current/mod/core.html#errordocument

ErrorDocument 404 /404.html

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

# -----
# | Media types |
# -----

# Serve resources with the proper media types (formerly known as MIME types).
# http://www.iana.org/assignments/media-types/media-types.xhtml

<IfModule mod_mime.c>

# Audio
AddType audio/mp4

```

```

AddType audio/mp4          f4a f4d m4a
AddType audio/ogg         oga ogg opus

# Data interchange
AddType application/json   json map
AddType application/ld+json jsonld

# JavaScript
# Normalize to standard type.
# http://tools.ietf.org/html/rfc4329#section-7.2
AddType application/javascript js

# Video
AddType video/mp4         f4v f4p m4v mp4
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 media types and simply sniff
# the bytes to figure out the font type.
# http://mimesniff.spec.whatwg.org/#matching-a-font-type-pattern

# Chrome however, shows a warning if any other media types are used
# for the following two font types.

AddType application/x-font-ttf      ttc ttf
AddType font/opentype               otf

AddType image/svg+xml              svg svgz

# Other
AddType application/octet-stream    safariextz
AddType application/x-chrome-extension crx
AddType application/x-opera-extension oex
AddType application/x-xpinstall     xpi
AddType application/xml              atom rdf rss xml
AddType image/webp                   webp

```

```
AddType image/x-icon          cur ico
AddType text/vtt               vtt
AddType text/x-component       htc
AddType text/x-vcard           vcf
```

```
</IfModule>
```

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

```
# Set `UTF-8` as the character encoding for all resources served with
# the media type of `text/html` or `text/plain`.
```

```
AddDefaultCharset utf-8
```

```
# Set `UTF-8` as the character encoding for other certain resources.
```

```
<IfModule mod_mime.c>
```

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

```
</IfModule>
```

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

```
# -----
# | 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), and therefore, you should choose one
# of the alternatives and redirect the other one.
```

```
# rewrite www.example.com → example.com
```

```
<IfModule mod_rewrite.c>
```

```
    RewriteEngine On
```

```
    RewriteCond %{HTTPS} !=on
```

```
    RewriteCond %{HTTP_HOST} ^www\.(.+)$ [NC]
```

```
    RewriteRule ^ http://%1%{REQUEST_URI} [R=301,L]
```

```
</IfModule>
```

```
# #####
# # SECURITY #
# #####

# Block access to all hidden files and directories with the exception of the
# visible content from within the `/.well-known/` hidden directory.

# These types of files usually contain user preferences or the preserved state
# of an utility, and can include rather private places like, for example, the
# `.git` or `.svn` directories.

# The `/.well-known/` directory represents the standard (RFC 5785) path prefix
# for "well-known locations" (e.g.: `/.well-known/manifest.json`,
# `/.well-known/keybase.txt`), and therefore, access to its visible content
# should not be blocked.

# https://www.mnot.net/blog/2010/04/07/well-known
# http://tools.ietf.org/html/rfc5785

<IfModule mod_rewrite.c>
    RewriteCond %{REQUEST_URI} "!(^/)\.well-known/([^\./]+/?.+)$" [NC]
    RewriteCond %{SCRIPT_FILENAME} -d [OR]
    RewriteCond %{SCRIPT_FILENAME} -f
    RewriteRule "(^/)\." - [F]
</IfModule>

# -----

# Block access to files that can expose sensitive information.

# By default, block access to backup and source files that may be left by some
# text editors and can pose a security risk when anyone has access to them.
# http://feross.org/cmsploit/

# IMPORTANT: Update the `<FilesMatch>` regular expression from below to include
# any files that might end up on your production server and can expose sensitive
# information about your website. These files may include: configuration files,
# files that contain metadata about the project (e.g.: project dependencies),
# build scripts, etc..
```

```
<FilesMatch "(^#.##\.(bak|conf|dist|fla|in[ci]|log|psd|sh|sql|sw[op])|")$" >
```

```
  # Apache < 2.3
```

```
  <IfModule !mod_authz_core.c>
```

```
    Order allow,deny
```

```
    Deny from all
```

```
    Satisfy All
```

```
  </IfModule>
```

```
  # Apache ≥ 2.3
```

```
  <IfModule mod_authz_core.c>
```

```
    Require all denied
```

```
  </IfModule>
```

```
</FilesMatch>
```

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

```
# Prevent some browsers from MIME-sniffing the response.
```

```
# This reduces exposure to drive-by download attacks and cross-origin data  
# leaks, and should be left uncommented, especially if the web server is  
# serving user-uploaded content or content that could potentially be treated  
# as executable by the browser.
```

```
# http://www.slideshare.net/hasegawayosuke/owasp-hasegawa
```

```
# http://blogs.msdn.com/b/ie/archive/2008/07/02/ie8-security-part-v-comprehensive-  
protection.aspx
```

```
# http://msdn.microsoft.com/en-us/library/ie/gg622941.aspx
```

```
# http://mimesniff.spec.whatwg.org/
```

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

```
  Header set X-Content-Type-Options "nosniff"
```

```
</IfModule>
```

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

```
# -----  
# | Enable Gzip |  
# -----
```

```
<ifModule mod_gzip.c>  
    mod_gzip_on Yes  
    mod_gzip_dechunk Yes  
    mod_gzip_item_include file \.(html?|txt|css|js|php|pl)$  
    mod_gzip_item_include handler ^cgi-script$  
    mod_gzip_item_include mime ^text/*  
    mod_gzip_item_include mime ^application/x-javascript.*  
    mod_gzip_item_exclude mime ^image/*  
    mod_gzip_item_exclude rspheader ^Content-Encoding:.*gzip.*  
</ifModule>
```

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

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

```
    # Force compression for mangled headers.  
    # https://developer.yahoo.com/blogs/ymn/pushing-beyond-gzipping-25601.html
```

```
    <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>
```

```
# -----
```

```
    # Mark certain resources as been compressed in order to:  
    #  
    # 1) prevent Apache from recompressing them  
    # 2) ensure that they are served with the  
    #    `Content-Encoding: gzip` HTTP response header
```

```
<IfModule mod_mime.c>
```

```

    AddEncoding gzip          svgz
</IfModule>

# -----

# Compress all output labeled with one of the following media types.

# IMPORTANT: For Apache versions below 2.3.7 you don't need to enable
# `mod_filter` and can remove the `<IfModule mod_filter.c>` & `</IfModule>`
# lines as AddOutputFilterByType is still in the core directives.

<IfModule mod_filter.c>
    AddOutputFilterByType DEFLATE application/atom+xml \
                           application/javascript \
                           application/json \
                           application/ld+json \
                           application/manifest+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/cache-manifest \
                           text/css \
                           text/html \
                           text/plain \
                           text/vtt \
                           text/x-component \
                           text/xml

</IfModule>

</IfModule>

# -----
# | Content transformation |
# -----

```

```

# Prevent mobile network providers from modifying the website's content.
# http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.9.5.

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

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

# Remove `ETags` as resources are sent with far-future expires headers.
# https://developer.yahoo.com/performance/rules.html#etags

# `FileETag None` doesn't work in all cases.
<IfModule mod_headers.c>
    Header unset ETag
</IfModule>

FileETag None

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

# Serve resources with far-future expires headers.

# IMPORTANT: If you don't control versioning with filename-based cache
# busting, consider lowering the cache times to something like one 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/ld+json "access plus 0 seconds"

```

```

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

# Favicon (cannot be renamed!) and cursor images
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/manifest+json "access plus 1 year"
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"

```

```
# #####  
# # INTERNET EXPLORER #  
# #####  
  
# -----  
# | Better website experience |  
# -----  
  
# Force Internet Explorer to render pages in the highest available  
# mode in the various cases when it may not.  
# https://hsivonen.fi/doctype/#ie8
```

```
<IfModule mod_headers.c>  
  Header set X-UA-Compatible "IE=edge"  
  # `mod_headers` cannot match based on the content-type, however, this header  
  # should be send only for HTML documents and not for the other resources  
  <FilesMatch "\.(appcache|atom|crx|css|curl|eot|f4[abpv]|flv|gif|html|icol|jpe?  
gl|js|json|ld)?  
|m4[av]|manifest|map|mp4|oex|og[agv]|opus|otf|pdf|png|rdf|rss|safariextz|svgz?  
|swf|tt[cf]|txt|vcf|vtt|webapp|web[mp]|woff|xml|xpi)$">  
    Header unset X-UA-Compatible  
  </FilesMatch>  
</IfModule>
```