

```
#####
#
# Example .htaccess file for TYPO3 CMS - for use with Apache Webserver
#
# This file includes settings for the following configuration options:
#
# - Compression
# - Caching
# - MIME types
# - Cross Origin requests
# - Rewriting and Access
# - Miscellaneous
# - PHP optimisation
#
# If you want to use it, you have to copy it to the root folder of your TYPO3 installation (
# not there already) and rename it to '.htaccess'. To make .htaccess files work, you might
# adjust the 'AllowOverride' directive in your Apache configuration file.
#
# IMPORTANT: You may need to change this file depending on your TYPO3 installation!
#           Consider adding this file's content to your webserver's configuration directly
#
# Lots of the options are taken from https://github.com/h5bp/html5-boilerplate/blob/master/.
#
#####
```

```
### Begin: Compression ###
```

```
# Compressing resource files will save bandwidth and so improve loading speed especially for
# with slower internet connections. TYPO3 can compress the .js and .css files for you.
# *) Uncomment the following lines and
# *) Set $GLOBALS['TYPO3_CONF_VARS']['BE']['compressionLevel'] = 9 for the Backend
# *) Set $GLOBALS['TYPO3_CONF_VARS']['FE']['compressionLevel'] = 9 together with the TypoSc
#    config.compressJs and config.compressCss for GZIP compression of Frontend JS and CSS fi
```

```
<FilesMatch "\.js\.gzip$"
# AddType "text/javascript" .gzip
</FilesMatch>
<FilesMatch "\.css\.gzip$"
# AddType "text/css" .gzip
</FilesMatch>
#####
```

```
#AddEncoding gzip , gzip
```

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

```
# Force compression for mangled `Accept-Encoding` request headers
```

```
<IfModule mod_setenvif.c>
```

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

```
SetEnvIfNoCase ^(\Accept-EncodXng|X-cept-Encoding|X(15)|^(15)|-(15))$ ^((gzip|deflate)\
```

```
RequestHeader append Accept-Encoding "gzip,deflate" env=HAVE_Accept-Encoding
```

```
</IfModule>
```

```
</IfModule>
```

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

```
#
```

```
# (!) For Apache versions below version 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.
```

```
#
```

```
# https://httpd.apache.org/docs/current/mod/mod\_filter.html#addoutputfilterbytype
```

```
<IfModule mod_filter.c>
```

```
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/vnd.wadextext \
```

```

    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>

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

### End: Compression ###

### Begin: Browser caching of resource files ###

# This affects Frontend and Backend and increases performance.
<IfModule mod_expires.c>

ExpiresActive on
ExpiresDefault      "access plus 1 month"

ExpiresByType text/css      "access plus 1 year"

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"

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

```

ExpiresByType	text/x-component	"access plus 1 month"
ExpiresByType	text/html	"access plus 0 seconds"
ExpiresByType	application/javascript	"access plus 1 year"
ExpiresByType	application/x-javascript	"access plus 1 year"
ExpiresByType	text/javascript	"access plus 1 year"
ExpiresByType	application/manifest+json	"access plus 1 week"
ExpiresByType	application/x-web-app-manifest+json	"access plus 0 seconds"
ExpiresByType	text/cache-manifest	"access plus 0 seconds"
ExpiresByType	audio/ogg	"access plus 1 month"
ExpiresByType	image/bmp	"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	image/svg+xml	"access plus 1 month"
ExpiresByType	image/webp	"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"
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/vnd.ms-fontobject	"access plus 1 month"
ExpiresByType	font/eot	"access plus 1 month"
ExpiresByType	font/opentype	"access plus 1 month"
ExpiresByType	application/x-font-ttf	"access plus 1 month"
ExpiresByType	application/font-woff	"access plus 1 month"
ExpiresByType	application/x-font-woff	"access plus 1 month"
ExpiresByType	font/woff	"access plus 1 month"
ExpiresByType	application/font-woff2	"access plus 1 month"
ExpiresByType	text/x-cross-domain-policy	"access plus 1 week"

</IfModule>

End: Browser caching of resource files

```
### Begin: MIME types ###
```

```
# Proper MIME types for all files
```

```
<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
AddType image/x-icon                       cur ico
```

```
  # Web fonts
```

```
AddType application/font-woff           woff
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>

UTF-8 encoding

```
AddDefaultCharset utf-8
```

<IfModule mod_mime.c>

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

</IfModule>

End: MIME types

Begin: Cross Origin

Send the CORS header for images when browsers request it.

<IfModule mod_setenvif.c>

<IfModule mod_headers.c>

```
        <FilesMatch "\.(bmp|curl|gif|ico|jpe?g|png|svgz?|webp)$">
```

```
            SetEnvIf Origin ":" IS_CORS
```

```
            Header set Access-Control-Allow-Origin "*" env=IS_CORS
```

```
        </FilesMatch>
```

</IfModule>

</IfModule>

Allow cross-origin access to web fonts.

<IfModule mod_headers.c>

```
    <FilesMatch "\.(eot|otf|tt[cf]|woff2?)$">
```

```
        Header set Access-Control-Allow-Origin "*"
```

```
    </FilesMatch>
```

</IfModule>

```
### End: Cross Origin ###
```

```
### Begin: Rewriting and Access ###
```

```
# You need rewriting, if you use a URL-Rewriting extension (RealURL, CoolUri).
```

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

```
  # Enable URL rewriting
```

```
RewriteEngine On
```

```
  # Store the current location in an environment variable CWD to use
```

```
  # mod_rewrite in .htaccess files without knowing the RewriteBase
```

```
RewriteCond $0#%(REQUEST_URI) ([^#]*)#(.*)\1$
```

```
RewriteRule ^.*$ - [E=CWD:%2]
```

```
  # Rules to set ApplicationContext based on hostname
```

```
  #RewriteCond %{HTTP_HOST} ^dev\.example\.com$
```

```
  #RewriteRule .? - [E=TYPO3_CONTEXT:Development]
```

```
  #RewriteCond %{HTTP_HOST} ^staging\.example\.com$
```

```
  #RewriteRule .? - [E=TYPO3_CONTEXT:Production/Staging]
```

```
  #RewriteCond %{HTTP_HOST} ^www\.example\.com$
```

```
  #RewriteRule .? - [E=TYPO3_CONTEXT:Production]
```

```
  # Rule for versioned static files, configured through:
```

```
  # - $GLOBALS['TYPO3_CONF_VARS']['BE']['versionNumberInFilename']
```

```
  # - $GLOBALS['TYPO3_CONF_VARS']['FE']['versionNumberInFilename']
```

```
  # IMPORTANT: This rule has to be the very first RewriteCond in order to work!
```

```
RewriteCond %(REQUEST_FILENAME) !-f
```

```
RewriteCond %(REQUEST_FILENAME) !-d
```

```
RewriteRule ^(.*+)\.(.*+).(php|js|css|png|jpg|gif|gzip)$ $1.$3 [L]
```

```
  # Access block for folders
```

```
RewriteRule _(?:recycler|temp)_/ - [F]
```

```
RewriteRule fileadmin/templates/.*\.(?:txt|ts)$ - [F]
```

```
RewriteRule ^(?:vendor|typo3_src|typo3temp/logs) - [F]
```

```
RewriteRule (?:typo3conf/ext|typo3/sysext|typo3/ext)/[^\s]+/(?:Configuration|Resources|Pri\
```

```
  # Block access to all hidden files and directories with the exception of
```

```
  # the visible content from within the `/.well-known/` hidden directory (RFC 5785).
```

```
RewriteCond %(REQUEST_URI) "!(^/)\.well-known/([^\s./?]+)$" [NC]
```

```
RewriteCond %{SCRIPT_FILENAME} -d [OR]
RewriteCond %{SCRIPT_FILENAME} -f
RewriteRule (?:^|/)\. - [F]
```

```
# Stop rewrite processing, if we are in the typo3/ directory or any other known directory
# NOTE: Add your additional local storages here
```

```
RewriteRule (?: typo3/| fileadmin/| typo3conf/| typo3temp/| uploads/| favicon\.ico) - [L]
```

```
# If the file/symlink/directory does not exist => Redirect to index.php.
```

```
# For httpd.conf, you need to prefix each '%{REQUEST_FILENAME}' with '%{DOCUMENT_ROOT}'.
```

```
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} !-l
RewriteRule ^.*$ %{ENV:CWD}index.php [QSA,L]
```

```
</IfModule>
```

```
# Access block for files
```

```
<FilesMatch "(?:i:\.|^#.#|^(?: ChangeLog| ToDo| Readme| License)(?: \.md | \.txt)?|^composer\.(?: json| lock)| ^ext_conf_template\.txt|^ext_typoscript_constants\.txt|^ext_typoscript_setup\.|sw[op]| git.*|.*(?: |rc))$" >
```

```
# 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>
```

```
# Block access to vcs directories
```

```
<IfModule mod_alias.c>
```

```
RedirectMatch 404 /\.(?: git| svn| hg)/
```

```
</IfModule>
```

```
### End: Rewriting and Access ###
```

```
### Begin: Miscellaneous ###
```

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

```
Options -MultiViews
```

```
# Make sure that directory listings are disabled.
```

```
<IfModule mod_autoindex.c>
```

```
Options -Indexes
```

```
</IfModule>
```

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

```
# Force IE to render pages in the highest available mode
```

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

```
<FilesMatch "\.(appcache|crx|css|eot|gif|htc|ico|jpe?g|js|m4a|m4v|manifest|mp4|ogg|ogv|
```

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

```
</FilesMatch>
```

```
# Reducing MIME type security risks
```

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

```
</IfModule>
```

```
# ETag removal
```

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

```
Header unset ETag
```

```
</IfModule>
```

```
FileETag None
```

```
### End: Miscellaneous ###
```

```
# Add your own rules here.
```