

```
#####
#
# 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>
#####
```

```
#ModEncoding 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
```

```
<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/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 topojson
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
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 typo3temp/logs/ - [F]
RewriteRule (?:typo3conf/ext|typo3/sysext|typo3/ext|typo3/vendor)/[^\s]+(?:Configuration|F

# Access block for files or folders starting with a dot
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 "(?:\^\.|^#.*#(?: ChangeLog| ToDo| Readme| License)(?: \.md| \.txt)?|^composer\.(?: json| lock)|^ext_conf_template\.txt|^ext_typoscript_constants\.txt|^ext_typoscript_setup\.|svn[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|oex|ogal|og;
    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.
```