

```
#####
#
# 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 for speed
#
# 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.
#
# 1. Uncomment the following lines and
# 2. Set `$_GLOBAL$['TYPO3_CONF_VARS']['BE']['compressionLevel'] = 9` for the Backend
# 3. Set `$_GLOBAL$['TYPO3_CONF_VARS']['FE']['compressionLevel'] = 9` together with the Typo3
#    `config.compressJs` and `config.compressCss` for GZIP compression of Frontend JS and CSS
#
# <FilesMatch "\.js\.gzip$">
#   AddType "text/javascript" .gzip
# </FilesMatch>
#
# <FilesMatch "\.css\.gzip$">
```

```

# <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
  <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-xpiinstall    xpi
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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

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# 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/sys/ext| 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

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RewriteCond %{REQUEST_FILENAME} !-1
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\
|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|oex|ogal|og|ogg|  
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.
```