

```

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

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

# Prevent Apache from returning a 404 error for a rewrite if a directory with
# the same name does not exist.
Options -MultiViews

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

ErrorDocument 404 /errors/404/
ErrorDocument 500 /errors/500/

# #####
# # MIME TYPES AND ENCODING #
# #####

# -----
# | Proper MIME types for all files |
# -----

<IfModule mod_mime.c>

# Audio
AddType audio/mp4 m4a f4a f4b
AddType audio/ogg oga ogg

# JavaScript
AddType application/javascript js
AddType application/json json

# Video
AddType video/mp4 mp4 m4v f4v f4p
AddType video/ogg ogv
AddType video/webm webm

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AddType video/webm                                webm
AddType video/x-flv                               flv

# Web fonts
AddType application/font-woff                    woff
AddType application/vnd.ms-fontobject           eot

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

AddType image/svg+xml                            svg svgz
AddEncoding gzip                                 svgz

# Other
AddType application/octet-stream                 safariextz
AddType application/x-chrome-extension           crx
AddType application/x-opera-extension            oex
AddType application/x-shockwave-flash            swf
AddType application/x-web-app-manifest+json     webapp
AddType application/x-xpinstall                  xpi
AddType application/xml                          atom rdf rss xml
AddType image/webp                               webp
AddType image/x-icon                             ico
AddType text/cache-manifest                      appcache manifest
AddType text/vtt                                 vtt
AddType text/x-component                         htc
AddType text/x-vcard                             vcf

</IfModule>

# -----
# | UTF-8 encoding |
# -----

# Use UTF-8 encoding for anything served as `text/html` or `text/plain`.
AddDefaultCharset utf-8

# Force UTF-8 for certain file formats.
<IfModule mod_mime.c>
    AddCharset utf-8 .atom .css .js .json .rss .vtt .webapp .xml
</IfModule>

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

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

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

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

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

```
    AddOutputFilterByType DEFLATE application/javascript \  
        application/json \  
        application/atom+xml \  
        application/rss+xml \  
        application/xml \  
        image/svg+xml \  
        image/x-icon \  
        text/css \  
        text/html \  
        text/plain \  
        text/xml
```

```
</IfModule>
```

```
</IfModule>
```

```
# -----  
# | ETag removal |  
# -----
```

```
# Since we're sending far-future expires headers (see below), ETags can  
# be removed.
```

```
# `FileETag None` is not enough for every server.
```

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

```
    Header unset ETag
```

```
</IfModule>
```

```
FileETag None
```

```
# -----
# | Expires headers (for better cache control) |
# -----

# The following expires headers are set pretty far in the future. If you don't
# control versioning with filename-based cache busting, consider lowering the
# cache time for resources like CSS and JS to something like 1 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/xml "access plus 0 seconds"
    ExpiresByType text/xml "access plus 0 seconds"

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

    # HTML components
    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/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"
```

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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"

</IfModule>

# #####
# # URL REWRITES #
# #####

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

# Turning on the rewrite engine and enabling the `FollowSymLinks` option is
# necessary for the following directives to work.

# If your web host doesn't allow the `FollowSymLinks` option, you may need to
# comment it out and use `Options +SymLinksIfOwnerMatch` but, be aware of the
# performance impact.

# Also, some cloud hosting services require `RewriteBase` to be set.

<IfModule mod_rewrite.c>
    Options +FollowSymLinks
    # Options +SymLinksIfOwnerMatch
    RewriteEngine On
    # RewriteBase /

```

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</IfModule>

# -----
# | Secure Sockets Layer (SSL) |
# -----

<IfModule mod_rewrite.c>
    RewriteCond %{HTTPS} !=on
    RewriteRule ^ https://%{HTTP_HOST}%{REQUEST_URI} [R=301]
</IfModule>

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

<IfModule mod_headers.c>
    Header set Strict-Transport-Security "max-age=16070400"
</IfModule>

# -----
# | Outdated routes |
# -----

<IfModule mod_rewrite.c>
    # Replace `projects` with `experiments`:
    RewriteRule ^projects/(.*)$ /experiments/$1 [R=301]
    # Remove year and month:
    RewriteRule ^articles/\d{4}/\d{2}/([a-z].*)$ /articles/$1 [R=301,L]
    RewriteRule ^experiments/\d{4}/\d{2}/([a-z].*)$ /experiments/$1 [R=301,L]
</IfModule>
```