

```
# TODO: Either generate static HTML or redirect towards index

# Apache configuration file
# httpd.apache.org/docs/2.2/mod/quickreference.html

# Note .htaccess files are an overhead, this logic should be in your Apache
# config if possible: httpd.apache.org/docs/2.2/howto/htaccess.html

# Techniques in here adapted from all over, including:
#   Kroc Camen: camendesign.com/.htaccess
#   perishablepress.com/press/2006/01/10/stupid-htaccess-tricks/
#   Sample .htaccess file of CMS MODx: modx.com

# -----
# Start rewrite engine
# -----

# Turning on the rewrite engine is necessary for the following rules and
# features. FollowSymLinks must be enabled for this to work.

# Some cloud hosting services require RewriteBase to be set: goo.gl/HDcPN
# If using the h5bp in a subdirectory, use `RewriteBase /foo` instead where
# 'foo' is your directory.

# 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: http://goo.gl/Mluzd

<IfModule mod_rewrite.c>
  Options +FollowSymLinks
  # Options +SymLinksIfOwnerMatch
  RewriteEngine On
  # RewriteBase /
  RewriteBase /lib/black-mirror/
</IfModule>

# -----
# Suppress the "www." at the beginning of URLs
# -----

# The same content should never be available under two different URLs
```

```
# The same content should never be available under two different URLs -
# especially not with and without "www." at the beginning, since this can cause
# SEO problems (duplicate content). That's why you should choose one of the
# alternatives and redirect the other one.

# By default option 1 (no "www.") is activated.
# no-www.org/faq.php?q=class_b

# -----

# Rewrite "www.example.com -> example.com".

<IfModule mod_rewrite.c>
  RewriteCond %{HTTPS} !=on
  RewriteCond %{HTTP_HOST} ^www\.(.+)$ [NC]
  RewriteRule ^ http://%1%{REQUEST_URI} [R=301,L]
</IfModule>

# -----

# Rewrite all pages back to index.html
# -----

<IfModule mod_rewrite.c>

  # Rewrite assets/* from any subfolder to root
  RewriteRule assets/(.*)$ assets/$1 [QSA,L]

  # Redirect all but files to index
  RewriteCond %{REQUEST_FILENAME} !-f
  #RewriteCond %{REQUEST_FILENAME} !-d
  RewriteRule .* index.html [QSA,L]
</IfModule>

# -----

# Better website experience for IE users
# -----

# Force the latest IE version, in various cases when it may fall back to IE7 mode
# github.com/rails/rails/commit/123eb25#commitcomment-118920
# Use ChromeFrame if it's installed for a better experience for the poor IE folk
```

DirectoryIndex index.php index.html index.htm

```
<IfModule mod_headers.c>
  Header set X-UA-Compatible "IE=Edge,chrome=1"
  # mod_headers can't match by content-type, but we don't want to send this header on *every*
  <FilesMatch "\.(js|css|gif|png|jpe?
gl|pdf|xml|ogal|ogg|m4a|ogv|mp4|m4v|webm|svg|svgz|eot|ttf|otf|woff|ico|webp|appcache|manifest|
>
  Header unset X-UA-Compatible
</FilesMatch>
</IfModule>

# -----
# Proper MIME type for all files
# -----

# JavaScript
# Normalize to standard type (it's sniffed in IE anyways)
# tools.ietf.org/html/rfc4329#section-7.2
AddType application/javascript      js jsonp
AddType application/json            json

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

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

# SVG
# Required for svg webfonts on iPad
# twitter.com/FontSquirrel/status/14855840545
AddType image/svg+xml               svg svgz
AddEncoding gzip                    svgz

# Webfonts
AddType application/vnd.ms-fontobject eot
AddType application/x-font-ttf       ttf ttc
```

```
AddType font/opentype otf
AddType application/x-font-woff woff
```

Assorted types

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

```
# -----
# Gzip compression
# -----
```

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

Force deflate for mangled headers developer.yahoo.com/blogs/ymn/posts/2010/12/pushing-bi

```
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase ^(\Accept-Encoding|X-cept-Encoding|X(15)|^(15)|-(15))$ ^(gzip|deflate)\
HAVE_Accept-Encoding
    RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
  </IfModule>
</IfModule>
```

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

```
<IfModule mod_filter.c>
  AddOutputFilterByType DEFLATE application/atom+xml \
    application/javascript \
    application/json \
    application/rss+xml \
    application/vnd.ms-fontobject \
```

```
application/x-font-ttf \  
application/xhtml+xml \  
application/xml \  
font/opentype \  
image/svg+xml \  
image/x-icon \  
text/css \  
text/html \  
text/plain \  
text/x-component \  
text/xml
```

```
</IfModule>
```

```
</IfModule>
```

```
# -----  
# Expires headers (for better cache control)  
# -----  
  
# These are pretty far-future expires headers.  
# They assume you control versioning with filename-based cache busting  
# Additionally, consider that outdated proxies may miscache  
# www.stevesouders.com/blog/2008/08/23/revving-filenames-dont-use-querystring/  
  
# If you don't use filenames to version, lower the CSS and JS to something like  
# "access plus 1 week".
```

```
<IfModule mod_expires.c>
```

```
ExpiresActive on
```

```
# Perhaps better to whitelist expires rules? Perhaps.
```

```
ExpiresDefault "access plus 0 seconds"
```

```
# cache, apcache needs re-requests in FF 3.6 (thanks Remy "Introducing HTML5")
```

```
ExpiresByType text/cache-manifest "access plus 0 seconds"
```

```
# Your document html
```

```
ExpiresByType text/html "access plus 0 seconds"
```

```
# Data
```

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

```

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

# Feed
ExpiresByType application/rss+xml          "access plus 1 hour"
ExpiresByType application/atom+xml        "access plus 1 hour"

# Favicon (cannot be renamed)
ExpiresByType image/x-icon                 "access plus 1 week"

# Media: images, video, audio
ExpiresByType image/gif                    "access plus 1 month"
ExpiresByType image/png                    "access plus 1 month"
ExpiresByType image/jpeg                   "access plus 1 month"
ExpiresByType video/ogg                    "access plus 1 month"
ExpiresByType audio/ogg                    "access plus 1 month"
ExpiresByType video/mp4                    "access plus 1 month"
ExpiresByType video/webm                   "access plus 1 month"

# HTC files (css3pie)
ExpiresByType text/x-component             "access plus 1 month"

# Webfonts
ExpiresByType application/x-font-ttf       "access plus 1 month"
ExpiresByType font/opentype                "access plus 1 month"
ExpiresByType application/x-font-woff     "access plus 1 month"
ExpiresByType image/svg+xml                "access plus 1 month"
ExpiresByType application/vnd.ms-fontobject "access plus 1 month"

# CSS and JavaScript
ExpiresByType text/css                      "access plus 0 seconds"
ExpiresByType application/javascript        "access plus 0 seconds"

</IfModule>

# -----
# Prevent 404 errors for non-existing redirected folders
# -----

# without -MultiViews, Apache will give a 404 for a rewrite if a folder of the
# same name does not exist.

```

```
# webmasterworld.com/apache/3808792.htm
```

Options -MultiViews

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

```
# Custom 404 page
```

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

```
# You can add custom pages to handle 500 or 403 pretty easily, if you like.
```

```
# If you are hosting your site in subdirectory, adjust this accordingly
```

```
# e.g. ErrorDocument 404 /subdir/404.html
```

```
ErrorDocument 404 /404.html
```

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

```
# UTF-8 encoding
```

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

```
# Use UTF-8 encoding for anything served text/plain or text/html
```

```
AddDefaultCharset utf-8
```

```
# Force UTF-8 for a number of file formats
```

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

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

```
# A little more security
```

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

```
# "-Indexes" will have Apache block users from browsing folders without a
```

```
# default document Usually you should leave this activated, because you
```

```
# shouldn't allow everybody to surf through every folder on your server (which
```

```
# includes rather private places like CMS system folders).
```

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

```
Options -Indexes
```

```
</IfModule>
```

```
# Block access to "hidden" directories or files whose names begin with a
```

```
# period. This includes directories used by version control systems such as
```

```
# Subversion or Git.
```

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

```
RewriteCond %{SCRIPT_FILENAME} -d [OR]
```

```
RewriteCond %{SCRIPT_FILENAME} -f
```

```

RewriteRule "(^/)\." - [F]
</IfModule>

# Block access to backup and source files. These files may be left by some
# text/html editors and pose a great security danger, when anyone can access
# them.
<FilesMatch "(\\. (bak| config| sql| fl| psd| ini| log| sh| incl| swp| dist)|")$" >
    Order allow,deny
    Deny from all
    Satisfy All
</FilesMatch>

# If your server is not already configured as such, the following directive
# should be uncommented in order to set PHP's register_globals option to OFF.
# This closes a major security hole that is abused by most XSS (cross-site
# scripting) attacks. For more information: http://php.net/register\_globals
#
# IF REGISTER_GLOBALS DIRECTIVE CAUSES 500 INTERNAL SERVER ERRORS:
#
# Your server does not allow PHP directives to be set via .htaccess. In that
# case you must make this change in your php.ini file instead. If you are
# using a commercial web host, contact the administrators for assistance in
# doing this. Not all servers allow local php.ini files, and they should
# include all PHP configurations (not just this one), or you will effectively
# reset everything to PHP defaults. Consult www.php.net for more detailed
# information about setting PHP directives.

# php_flag register_globals Off

# Rename session cookie to something else, than PHPSESSID
# php_value session.name sid

# Disable magic quotes (This feature has been DEPRECATED as of PHP 5.3.0 and REMOVED as of )
# php_flag magic_quotes_gpc Off

# Do not show you are using PHP
# Note: Move this line to php.ini since it won't work in .htaccess
# php_flag expose_php Off

# Level of log detail - log all errors
# php_value error_reporting -1
```



```
# PHP error reporting settings
```

```
# Write errors to log file
```

```
# php_flag log_errors On
```

```
# Do not display errors in browser (production - Off, development - On)
```

```
# php_flag display_errors Off
```

```
# Do not display startup errors (production - Off, development - On)
```

```
# php_flag display_startup_errors Off
```

```
# Format errors in plain text
```

```
# Note: Leave this setting 'On' for xdebug's var_dump() output
```

```
# php_flag html_errors Off
```

```
# Show multiple occurrence of error
```

```
# php_flag ignore_repeated_errors Off
```

```
# Show same errors from different sources
```

```
# php_flag ignore_repeated_source Off
```

```
# Size limit for error messages
```

```
# php_value log_errors_max_len 1024
```

```
# Don't precede error with string (doesn't accept empty string, use whitespace if you need)
```

```
# php_value error_prepend_string " "
```

```
# Don't prepend to error (doesn't accept empty string, use whitespace if you need)
```

```
# php_value error_append_string " "
```

```
# Increase cookie security
```

```
<IfModule php5_module>
```

```
    php_value session.cookie_httponly true
```

```
</IfModule>
```

```
<filesMatch "\.(jpg|jpeg|png|gif|swf|webm|mp4|ogv)$">
```

```
Header set Cache-Control "max-age=604800, public"
```

```
</filesMatch>
```