




Branch: master
The-Perfect-Apache-Configuration / http.conf
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 Bruce17 Update http.conf
388c176 on Dec 28, 2016

2 contributors



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357 lines (323 sloc) 14.4 KB

1  # -----
2  # Apache configuration file
3  # This file is best used in /apache2/httpd.conf, but works (slower) in .htaccess
4  #
5  # I've spent quite a bit of time compiling what I find to be optimal to me
6  # and my server. This file is based on:
7  # - HTML5BoilerPlate: https://github.com/h5bp/html5-boilerplate/
8  # - W3 Edge: http://www.w3-edge.com/
9  # - Yahoo! Best Practices: http://developer.yahoo.com/performance/rules.html
10 # - Caching Tutorial: http://www.mnot.net/cache_docs/
11 # - Personal experience
12 #
13 # v1.2 / 2013.07.01 / Greg Rickaby
14 # -----
15
16 # Specify a Default Charset
17 AddDefaultCharset utf-8
18
19 # -----
20 # Cache Control via HTTP Headers + Expires
21 # Generation of Expires and Cache-Control HTTP headers according to user-specified criteria
22 # http://httpd.apache.org/docs/2.0/mod/mod_headers.html
23 # -----
24
25 # Expires Defaults
26 <IfModule mod_expires.c>
27     ExpiresActive On
28     # Set default expires to 2 days
29     ExpiresDefault A172800
30     ExpiresByType text/css A31536000
31     ExpiresByType application/x-javascript A31536000
32     ExpiresByType text/x-component A31536000
33     ExpiresByType text/html A3600
34     ExpiresByType text/richtext A3600
35     ExpiresByType image/svg+xml A3600
36     ExpiresByType text/plain A3600
37     ExpiresByType text/xsd A3600
38     ExpiresByType text/xsl A3600
39     ExpiresByType text/xml A3600
40     ExpiresByType video/asf A31536000
41     ExpiresByType video/avi A31536000
42     ExpiresByType image/bmp A31536000
43     ExpiresByType application/java A31536000
44     ExpiresByType video/divx A31536000
45     ExpiresByType application/msword A31536000
46     ExpiresByType application/vnd.ms-fontobject A31536000
47     ExpiresByType application/x-msdownload A31536000
48     ExpiresByType image/gif A31536000
49     ExpiresByType application/x-gzip A31536000
50     ExpiresByType image/x-icon A31536000
51     ExpiresByType image/jpeg A31536000
52     ExpiresByType application/vnd.ms-access A31536000
53     ExpiresByType audio/midi A31536000
54     ExpiresByType video/quicktime A31536000
55     ExpiresByType audio/mpeg A31536000

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56 ExpiresByType video/mp4 A31536000
57 ExpiresByType video/mpeg A31536000
58 ExpiresByType application/vnd.ms-project A31536000
59 ExpiresByType application/x-font-otf A31536000
60 ExpiresByType application/vnd.oasis.opendocument.database A31536000
61 ExpiresByType application/vnd.oasis.opendocument.chart A31536000
62 ExpiresByType application/vnd.oasis.opendocument.formula A31536000
63 ExpiresByType application/vnd.oasis.opendocument.graphics A31536000
64 ExpiresByType application/vnd.oasis.opendocument.presentation A31536000
65 ExpiresByType application/vnd.oasis.opendocument.spreadsheet A31536000
66 ExpiresByType application/vnd.oasis.opendocument.text A31536000
67 ExpiresByType audio/ogg A31536000
68 ExpiresByType application/pdf A31536000
69 ExpiresByType image/png A31536000
70 ExpiresByType application/vnd.ms-powerpoint A31536000
71 ExpiresByType audio/x-realaudio A31536000
72 ExpiresByType image/svg+xml A31536000
73 ExpiresByType application/x-shockwave-flash A31536000
74 ExpiresByType application/x-tar A31536000
75 ExpiresByType image/tiff A31536000
76 ExpiresByType application/x-font-ttf A31536000
77 ExpiresByType audio/wav A31536000
78 ExpiresByType audio/wma A31536000
79 ExpiresByType application/vnd.ms-write A31536000
80 ExpiresByType application/vnd.ms-excel A31536000
81 ExpiresByType application/zip A31536000
82 </IfModule>
83
84 # No caching for dynamic files
85 <filesMatch "\.(php|cgi|pl|htm)$">
86     ExpiresDefault A0
87     Header set Cache-Control "no-store, no-cache, must-revalidate, max-age=0"
88     Header set Pragma "no-cache"
89 </filesMatch>
90
91 # 1 MIN
92 <filesMatch "\.(html)$">
93     ExpiresDefault A60
94     Header set Cache-Control "max-age=60, must-revalidate"
95 </filesMatch>
96
97 # 2 DAYS
98 <filesMatch "\.(xml|txt)$">
99     ExpiresDefault A172800
100     Header set Cache-Control "max-age=172800, must-revalidate"
101 </filesMatch>
102
103 # 1 WEEK
104 <filesMatch "\.(jpg|jpeg|png|gif|swf|js|css)$">
105     ExpiresDefault A604800
106     Header set Cache-Control "max-age=604800, must-revalidate"
107 </filesMatch>
108
109 # 1 MONTH
110 <filesMatch "\.(ico|pdf|flv)$">
111     ExpiresDefault A2419200
112     Header set Cache-Control "max-age=2419200, must-revalidate"
113 </filesMatch>
114
115 # -----
116 # Mime Types
117 # Mime Associates the requested filename's extensions with the file's behavior and content
118 # http://httpd.apache.org/docs/2.0/mod/mod_mime.html
119 # -----
120
121 <IfModule mod_mime.c>
122     AddType text/css .css

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123     AddType application/x-javascript .js
124     AddType text/x-component .htc
125     AddType text/html .html .htm
126     AddType text/richtext .rtf .rtx
127     AddType image/svg+xml .svg .svgz
128     AddType text/plain .txt
129     AddType text/xsd .xsd
130     AddType text/xsl .xsl
131     AddType text/xml .xml
132     AddType video/asf .asf .asx .wax .wmv .wmx
133     AddType video/avi .avi
134     AddType image/bmp .bmp
135     AddType application/java .class
136     AddType video/divx .divx
137     AddType application/msword .doc .docx
138     AddType application/vnd.ms-fontobject .eot
139     AddType application/x-msdownload .exe
140     AddType image/gif .gif
141     AddType application/x-gzip .gz .gzip
142     AddType image/x-icon .ico
143     AddType image/jpeg .jpg .jpeg .jpe
144     AddType application/vnd.ms-access .mdb
145     AddType audio/midi .mid .midi
146     AddType video/quicktime .mov .qt
147     AddType audio/mpeg .mp3 .m4a
148     AddType video/mp4 .mp4 .m4v
149     AddType video/mpeg .mpeg .mpg .mpe
150     AddType application/vnd.ms-project .mpp
151     AddType application/x-font-otf .otf
152     AddType application/vnd.oasis.opendocument.database .odb
153     AddType application/vnd.oasis.opendocument.chart .odc
154     AddType application/vnd.oasis.opendocument.formula .odf
155     AddType application/vnd.oasis.opendocument.graphics .odg
156     AddType application/vnd.oasis.opendocument.presentation .odp
157     AddType application/vnd.oasis.opendocument.spreadsheet .ods
158     AddType application/vnd.oasis.opendocument.text .odt
159     AddType audio/ogg .ogg
160     AddType application/pdf .pdf
161     AddType image/png .png
162     AddType application/vnd.ms-powerpoint .pot .pps .ppt .pptx
163     AddType audio/x-realaudio .ra .ram
164     AddType application/x-shockwave-flash .swf
165     AddType application/x-tar .tar
166     AddType image/tiff .tif .tiff
167     AddType application/x-font-ttf .ttf .ttc
168     AddType audio/wav .wav
169     AddType audio/wma .wma
170     AddType application/vnd.ms-write .wri
171     AddType application/vnd.ms-excel .xla .xls .xlsx .xlt .xlw
172     AddType application/zip .zip
173 </IfModule>
174
175 # -----
176 # Gzip compression
177 # Compress content before it is delivered to the client
178 # http://httpd.apache.org/docs/2.0/mod/mod_deflate.html
179 # -----
180
181 <IfModule mod_deflate.c>
182     # Force deflate for mangled headers developer.yahoo.com/blogs/ymdn/posts/2010/12/pushing-beyond-gzipping/
183     <IfModule mod_setenvif.c>
184         <IfModule mod_headers.c>
185             SetEnvIfNoCase ^(\Accept-Encoding|X-cept-Encoding|X{15}|~{15})$ ^((gzip|deflate)\s*,?\s*)+|[X~-]{4,13}$ HAVE_A
186             RequestHeader append Accept-Encoding "gzip,deflate" env=HAVE_Accept-Encoding
187         </IfModule>
188     </IfModule>
189

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190 <IfVersion < 2.4.4>
191     <IfModule filter_module>
192         # HTML, TXT, CSS, JavaScript, JSON, XML, HTC:
193         FilterDeclare    COMPRESS
194         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $text/html
195         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $text/css
196         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $text/plain
197         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $text/xml
198         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $text/x-component
199         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $application/javascript
200         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $application/json
201         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $application/xml
202         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $application/xhtml+xml
203         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $application/rss+xml
204         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $application/atom+xml
205         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $application/vnd.ms-fontobject
206         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $image/svg+xml
207         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $image/x-icon
208         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $application/x-font-ttf
209         FilterProvider    COMPRESS    DEFLATE resp=Content-Type    $font/opentype
210         FilterChain        COMPRESS
211         FilterProtocol      COMPRESS    DEFLATE change=yes;byteranges=no
212     </IfModule>
213 </IfVersion>
214
215 <IfVersion >= 2.4.4>
216     <IfModule filter_module>
217         FilterDeclare    COMPRESS
218         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'text/html'"
219         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'text/css'"
220         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'text/plain'"
221         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'text/xml'"
222         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'text/x-component'"
223         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'application/javascript'"
224         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'application/json'"
225         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'application/xml'"
226         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'application/xhtml+xml'"
227         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'application/rss+xml'"
228         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'application/atom+xml'"
229         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'application/vnd.ms-fontobject'"
230         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'image/svg+xml'"
231         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'image/x-icon'"
232         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'application/x-font-ttf'"
233         FilterProvider    COMPRESS    DEFLATE "%{Content_Type} = 'font/opentype'"
234         FilterChain        COMPRESS
235         FilterProtocol      COMPRESS    DEFLATE change=yes;byteranges=no
236     </IfModule>
237 </IfVersion>
238
239 <IfModule !mod_filter.c>
240     # Legacy versions of Apache
241     AddOutputFilterByType DEFLATE text/html text/plain text/css application/json
242     AddOutputFilterByType DEFLATE application/javascript
243     AddOutputFilterByType DEFLATE text/xml application/xml text/x-component
244     AddOutputFilterByType DEFLATE application/xhtml+xml application/rss+xml application/atom+xml
245     AddOutputFilterByType DEFLATE image/x-icon image/svg+xml application/vnd.ms-fontobject application/x-font-ttf font/opentype
246 </IfModule>
247
248 </IfModule>
249
250 # -----
251 # Start rewrite engine
252 # Provides a rule-based rewriting engine to rewrite requested URLs on the fly
253 # http://httpd.apache.org/docs/2.0/mod/mod_rewrite.html
254 # -----
255
256 # FollowSymLinks must be enabled for this to work

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257 <IfModule mod_rewrite.c>
258     Options +FollowSymlinks
259     RewriteEngine On
260 </IfModule>
261
262 # Block access to "hidden" directories whose names begin with a period
263 <IfModule mod_rewrite.c>
264     RewriteCond %{SCRIPT_FILENAME} -d
265     RewriteCond %{SCRIPT_FILENAME} -f
266     RewriteRule "(^|/)\." - [F]
267 </IfModule>
268
269 # -----
270 # Disable server signature (Security)
271 # Configures the Server HTTP response header
272 # http://httpd.apache.org/docs/2.2/mod/core.html#serversignature
273 # -----
274
275 ServerSignature Off
276 ServerTokens Prod
277
278 # -----
279 # Disable directory browsing (Security)
280 # Generates directory indexes, automatically, similar to the Unix ls command or the Win32 dir shell command
281 # http://httpd.apache.org/docs/2.0/mod/mod_autoindex.html
282 # -----
283
284 <IfModule mod_autoindex.c>
285     Options -Indexes
286 </IfModule>
287
288 # -----
289 # Block access to backup and source files (Security)
290 # This files may be left by some text/html editors and pose a great security danger
291 # -----
292
293 <FilesMatch "(\\.bak|config|sql|fla|psd|ini|log|sh|inc|swp|dist)|~)$">
294     Order allow,deny
295     Deny from all
296     Satisfy All
297 </FilesMatch>
298
299 # -----
300 # Increase cookie security (Security)
301 # This files may be left by some text/html editors and pose a great security danger
302 # -----
303
304 <IfModule php5_module>
305     php_value session.cookie_httponly true
306 </IfModule>
307
308 # -----
309 # Webfont access
310 # Allow access from all domains for webfonts.
311 # -----
312
313 <IfModule mod_headers.c>
314     <FilesMatch "\\.(ttf|ttc|otf|eot|woff|font.css)$">
315         Header set Access-Control-Allow-Origin "*"
316     </FilesMatch>
317 </IfModule>
318
319 # -----
320 # Force latest IE rendering engine
321 # -----
322
323 <IfModule mod_headers.c>
324     Header set X-UA-Compatible "IE=Edge,chrome=1"

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```
324         # mod_headers can't match by content-type, but we don't want to this header on everything
325         <FilesMatch "\.(js|css|gif|png|jpe?g|pdf|xml|oga|ogg|m4a|ogv|mp4|m4v|webm|svg|svgz|eot|ttf|otf|woff|ico|webp|appcache|manif
326             Header unset X-UA-Compatible
327         </FilesMatch>
328     </IfModule>
329
330     # -----
331     # Instructs the proxies to cache two versions of the resource: one compressed, and one uncompressed.
332     # https://developers.google.com/speed/docs/best-practices/caching#LeverageProxyCaching
333     # -----
334     <IfModule mod_headers.c>
335         <FilesMatch "\.(js|css|xml|gz)$">
336             Header append Vary: Accept-Encoding
337         </FilesMatch>
338     </IfModule>
339
340     # -----
341     # CORS-enabled images (@crossorigin)
342     # Send CORS headers if browsers request them; enabled by default for images.
343     # http://developer.mozilla.org/en/CORS_Enabled_Image
344     # http://blog.chromium.org/2011/07/using-cross-domain-images-in-webgl-and.html
345     # http://hacks.mozilla.org/2011/11/using-cors-to-load-webgl-textures-from-cross-domain-images/
346     # http://wiki.mozilla.org/Security/Reviews/crossoriginAttribute
347     # -----
348
349     <IfModule mod_setenvif.c>
350         <IfModule mod_headers.c>
351             <FilesMatch "\.(gif|png|jpe?g|svg|svgz|ico|webp)$">
352                 SetEnvIf Origin ":" IS_CORS
353                 Header set Access-Control-Allow-Origin "*" env=IS_CORS
354             </FilesMatch>
355         </IfModule>
356     </IfModule>
```