

Links

- URL Rewriting Guide - Apache HTTP Server
- An In-Depth Guide to mod_rewrite for Apache
- mod_rewrite - Apache HTTP Server Version 2.4

RewriteRule syntax

RewriteRule Pattern Substitution [flags]

RewriteRule substitutions

path	When rule is configured in server context and file system path does exist
URL	A relative path to the resource to be served
-	Do not substitute anything
\$N	Reference to capturing group in RewriteRule pattern
%N	Reference to capturing group in RewriteCond
%{VARIABLE}	Server variable
\${map:key default}	Mapping function

RewriteRule flags

B	Escape non-alphanumeric characters before substitution
BNP	Escape space as %20 and not +
C	Chain the rules. If this rule fails, the chained one will be skipped
CO	Set a cookie
DPI	Discard path info of the URL
END	Stop all rewriting immediately
F	Return 403 Forbidden
G	Return 410 Gone
H	Send to specific content handler
L	Stop rewriting on this rule
N	Re-run rewriting from the first rule
NC	Case-insensitive
NE	Do not hex-escape special characters
NS	Skip rule if it's a subrequest
P	
PT	
QSA	Add query string
QSD	Discard query string

RewriteRule flags (cont)

QSL	Treat the last ? as QS delimiter
R	Redirect with code
S	Skip next N rules
T	Set the MIME-type

Multiple flags should be comma-separated

Logging

mod_rewrite logging can be enabled in apache configuration file with `LogLevel` directive. Possible levels are from `trace1` to `trace8`. **Log levels higher than 2 should be used only for debugging.**
 Config example:
`LogLevel alert rewrite:trace3`

Directives

RewriteBase	specifies the URL prefix to be used for per-directory (<code>htaccess</code>) RewriteRule directives that substitute a relative path
RewriteCond	These directives may precede RewriteRule. For rule that matches URL it will trigger rewriting only if all its conditions evaluate to true
RewriteEngine	Enable or disable rewriting
RewriteMap	Used for values mapping in substitutions of RewriteRule. Map values from files, databases, external functions etc.
RewriteOptions	Specifies rewriting options for server of directory
RewriteRule	Match the URL, make substitution(s). This directive only used for matching against URL path. For matching port, scheme, query string use RewriteCond

