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

```
Rewrit eRule Pattern Substi tution [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 `Rewrit eRul epattern`
%N	Reference to capturing group in `Rewrit eCon d`
%{VARNAME}	Server variable
${map:key|default}	Mapping function

RewriteRule flags

B	Escape non-alphanumerical characters before substitution
BNP	Escape space as %20 and not +
C	Chain the rules. It this rule fails, the chained one will be skipped
CO	Set a cookie
DPI	Discard path info of the URL
END	Stop all rewriting imeediately
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_re write` logging can be enabled in apache configuration file with `LogLevel` directive. Possible levels are from `trace1` to `trace 8`. **Log levels higher than 2 should be used only for debugging.** Config example:

```
LogLevel alert rewrit e:t race3
```

Directives

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