Cheatography

Apache mod_rewrite Cheat Sheet
by rarelyimpressed via cheatography.com/28772/cs/9473/

Links

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`
%{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
QSL	Treat the last ? as QS delimiter

RewriteRule flags (cont)

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 (htaccess) `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 it's 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	Manch the URL, make substitution(s). This directive only used for matching against URL path. For matching port, scheme, query string use `RewriteCond`