mod_rewrite Cheat Sheet
by Dave Child (DaveChild) via cheatography.com/1/cs/4/

mod_rewrite Tutorials
http://httpd.apache.org/docs/current/rewrite/
http://www.addedbytes.com/for-beginners/url-rewriting-for-beginners/
http://net.tutsplus.com/tutorials/other/a-deeper-look-at-mod_rewrite-for-apache/

mod_rewrite RewriteRule Flags
C Chained with next rule
CO=cookie Set specified cookie
E=var:valu e Set environmental variable “var” to “value”
F Forbidden (403 header)
G Gone - no longer exists
H=handler Set handler
L Last - stop processing rules
N Next - continue processing
NC Case insensitive
NE Do not escape output
NS Ignore if subrequest
P Proxy
PT Pass through
R[=code] Redirect to new URL, with optional code (see below)
QSA Append query string
S=x Skip next x rules
T=mim e-type Set mime type

mod_rewrite RewriteCond Flags
NC Case insensitive
OR Combine with next rule using ‘OR’ instead of the default of ‘AND’

mod_rewrite Directives
RewriteEngine RewriteMap
RewriteOptions RewriteBase
RewriteLog RewriteCond
RewriteLogLevel RewriteRule
RewriteLock

Redirection Header Codes
301 Moved permanently
302 Moved temporarily (default)

mod_rewrite Server Variables: HTTP Headers
%{HTTP_USER_AGENT}
%{HTTP_REFERER}
%{HTTP_COOKIE}
%{HTTP_FORWARDED}
%{HTTP_HOST}
%{HTTP_PROXY_CONNECTION}
%{HTTP_ACCEPT}

mod_rewrite Server Variables: Server Internals
%{DOCUMENT_ROOT}
%{SERVER_ADMIN}
%{SERVER_NAME}
%{SERVER_ADDR}
%{SERVER_PORT}
%{SERVER_PROTOCOL}
%{SERVER_SOFTWARE}

mod_rewrite Sample Rule: Site Moved
# Site moved permanently
RewriteCond %{HTTP_HOST} ^www.domain.com$ [NC]
RewriteRule ^(.*)$ http://www.domain2.com/$1 [R=301,L]
Rewrites domain.com to domain2.com

mod_rewrite Sample Rule: Temporary Page Move
# Page has moved temporarily
RewriteRule *page.html$ new_page.html [R,NC,L]
Rewrites domain.com/page.html to domain.com/new_page.html

Regular Expressions Syntax
^ Start of string
$ End of string
. Any single character
[a-zA-Z0-9] a or b
(... Group section
[abc] In range (a, b or c)
[^abc] Not in range
\s White space
a? Zero or one of a
a* Zero or more of a
a+ One or more of a
a? One or more, ungreedy
a[3] Exactly 3 of a
a{3,} 3 or more of a
a{3,6} Up to 6 of a
a{3,6}? 3 to 6 of a, ungreedy
\ Escape character
[punct:] Any punctuation symbol
[space:] Any space character
[blank:] Space or tab

There’s an excellent regular expression tester at: http://regexpal.com/

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### mod_rewrite Sample Rule: Nice URLs

```bash
# Nice URLs (no query string)
RewriteRule ^([^A-Za-z0-9-]+)/?$ categories.php?name=$1 [L]
```

Rewrites `domain.com/category-name-1/` to `domain.com/categories.php?name=category-name-1`

### mod_rewrite Server Variables: Special

- `{API_VERSION}`
- `{THE_REQUEST}`
- `{REQUEST_URI}`
- `{REQUEST_FILENAME}`
- `{IS_SUBREQ}`
- `{HTTPS}`

### mod_rewrite Server Variables: Request

- `{REMOTE_ADDR}`
- `{REMOTE_HOST}`
- `{REMOTE_PORT}`
- `{REMOTE_USER}`
- `{REMOTE_IDENT}`
- `{REQUEST_METHOD}`
- `{SCRIPT_FILENAME}`
- `{PATH_INFO}`
- `{QUERY_STRING}`
- `{AUTH_TYPE}`

### mod_rewrite Server Variables: Time

- `{TIME_YEAR}`
- `{TIME_MON}`
- `{TIME_DAY}`
- `{TIME_HOUR}`
- `{TIME_MIN}`
- `{TIME_SEC}`
- `{TIME_WDAY}`
- `{TIME}`