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:-value	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=mime-type	Set mime type

mod_rewrite RewriteCond Flags

NC	Case insensitive
OR	Combine with next rule using 'OR' instead of the default of 'AND'

Redirection Header Codes

301	Moved permanently
302	Moved temporarily (default)

mod_rewrite Directives

RewriteEngine	RewriteMap
RewriteOptions	RewriteBase
RewriteLog	RewriteCond
RewriteLogLevel	RewriteRule
RewriteLock	

Regular Expressions Syntax

^	Start of string
$	End of string
.	Any single character
(a|b)	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*?	Zero or more, ungreedy
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{,6}	Up to 6 of a
a{3,6}	3 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/

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



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mod_rewrite Sample Rule: Nice URLs

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}



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