

REGULAR EXPRESSION SYNTAX

^	Start of string
\$	End of string
.	Any single character
(a b)	a or b
(...)	Group section
[abc]	Item in range (a or b or c)
[^abc]	Not in range (not a or b or c)
a?	Zero or one of a
a*	Zero or more of a
a+	One or more of a
a{3}	Exactly 3 of a
a{3,}	3 or more of a
a{3,6}	Between 3 and 6 of a
!(pattern)	"Not" prefix. Apply rule when URL does not match pattern.

Redirection Header Codes

301	Moved permanently
302	Moved temporarily
403	Forbidden
404	Not Found
410	Gone

RewriteRule FLAGS

R[=code]	Redirect to new URL, with optional code (see below).
F	Forbidden (sends 403 header)
G	Gone (no longer exists)
P	Proxy
L	Last Rule
N	Next (i.e. restart rules)
C	Chain
T=mime-type	Set Mime Type
NS	Skip if internal sub-request
NC	Case insensitive
QSA	Append query string
NE	Do not escape output
PT	Pass through
S=x	Skip next x rules
E=var:value	Set environmental variable "var" to "value".

RewriteCond FLAGS

NC	Case insensitive
OR	Allows a rule to apply if one of a series of conditions are true.

Example Rules

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

# Page has moved temporarily
# domain.com/page.htm to domain.com/new_page.htm
RewriteRule ^page.htm$ new_page.htm [R,NC,L]

# Nice looking URLs (no querystring)
# domain.com/category-name-1/ to domain.com/categories.php?name=category-name-1
RewriteRule ^([A-Za-z0-9-]+)/?$ categories.php?name=$1 [L]

# Nice looking URLs (no querystring) with pagination
# domain.com/articles/title/5/ to domain.com/article.php?name=title&page=5
RewriteRule ^articles/([A-Za-z0-9-]+)/([0-9]+)/?$ article.php?name=$1&page=$2 [L]

# Block referrer spam
RewriteCond %{HTTP_REFERER} (weight) [NC,OR]
RewriteCond %{HTTP_REFERER} (drugs) [NC]
RewriteRule .* - [F]
```

Server Variables

Format

%{NAME_OF_VAR}

HTTP Headers

HTTP_USER_AGENT
HTTP_REFERER
HTTP_COOKIE
HTTP_FORWARDED
HTTP_HOST
HTTP_PROXY_CONNECTION
HTTP_ACCEPT

Request

REMOTE_ADDR
REMOTE_HOST
REMOTE_USER
REMOTE_IDENT
REQUEST_METHOD
SCRIPT_FILENAME
PATH_INFO
QUERY_STRING
AUTH_TYPE

Server

DOCUMENT_ROOT
SERVER_ADMIN
SERVER_NAME
SERVER_ADDR
SERVER_PORT
SERVER_PROTOCOL
SERVER_SOFTWARE

Time

TIME_YEAR
TIME_MON
TIME_DAY
TIME_HOUR
TIME_MIN
TIME_SEC
TIME_WDAY
TIME

Special

API_VERSION
THE_REQUEST
REQUEST_URI
REQUEST_FILENAME
IS_SUBREQ

Directives

RewriteEngine
RewriteOptions
RewriteLog
RewriteLogLevel
RewriteLock
RewriteMap
RewriteBase
RewriteCond
RewriteRule