mod_rewrite

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