

# mod\_rewrite

REGULAR EXPRESSION SYNTAX	
<code>^</code>	Start of string
<code>\$</code>	End of string
<code>.</code>	Any single character
<code>(a b)</code>	a or b
<code>(...)</code>	Group section
<code>[abc]</code>	Item in range (a or b or c)
<code>[^abc]</code>	Not in range (not a or b or c)
<code>a?</code>	Zero or one of a
<code>a*</code>	Zero or more of a
<code>a+</code>	One or more of a
<code>a{3}</code>	Exactly 3 of a
<code>a{3,}</code>	3 or more of a
<code>a{3,6}</code>	Between 3 and 6 of a
<code>!(pattern)</code>	"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

Example Rules	
<pre># 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]</pre>	
<pre># Page has moved temporarily # domain.com/page.htm to domain.com/new_page.htm RewriteRule ^page.htm\$ new_page.htm [R,NC,L]</pre>	
<pre># 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]</pre>	
<pre># Nice looking URLs (no querystring) with pagination # domain.com/articles/title/5/ to domain.com/article.php?name=title&amp;page=5 RewriteRule ^articles/([A-Za-z0-9-]+)/([0-9]+)/?\$ article.php?name=\$1&amp;page=\$2 [L]</pre>	
<pre># Block referrer spam RewriteCond %{HTTP_REFERER} (weight) [NC,OR] RewriteCond %{HTTP_REFERER} (drugs) [NC] RewriteRule .* - [F]</pre>	

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

RewriteCond FLAGS	
<code>NC</code>	Case insensitive
<code>OR</code>	Allows a rule to apply if one of a series of conditions are true.

Server Variables	
<b>Format</b>	<code>%{NAME_OF_VAR}</code>
<b>HTTP Headers</b>	<code>HTTP_USER_AGENT</code> <code>HTTP_REFERER</code> <code>HTTP_COOKIE</code> <code>HTTP_FORWARDED</code> <code>HTTP_HOST</code> <code>HTTP_PROXY_CONNECTION</code> <code>HTTP_ACCEPT</code>
<b>Request</b>	<code>REMOTE_ADDR</code> <code>REMOTE_HOST</code> <code>REMOTE_USER</code> <code>REMOTE_IDENT</code> <code>REQUEST_METHOD</code> <code>SCRIPT_FILENAME</code> <code>PATH_INFO</code> <code>QUERY_STRING</code> <code>AUTH_TYPE</code>
<b>Server</b>	<code>DOCUMENT_ROOT</code> <code>SERVER_ADMIN</code> <code>SERVER_NAME</code> <code>SERVER_ADDR</code> <code>SERVER_PORT</code> <code>SERVER_PROTOCOL</code> <code>SERVER_SOFTWARE</code>
<b>Time</b>	<code>TIME_YEAR</code> <code>TIME_MON</code> <code>TIME_DAY</code> <code>TIME_HOUR</code> <code>TIME_MIN</code> <code>TIME_SEC</code> <code>TIME_WDAY</code> <code>TIME</code>
<b>Special</b>	<code>API_VERSION</code> <code>THE_REQUEST</code> <code>REQUEST_URI</code> <code>REQUEST_FILENAME</code> <code>IS_SUBREQ</code>
<b>Directives</b>	<code>RewriteEngine</code> <code>RewriteOptions</code> <code>RewriteLog</code> <code>RewriteLogLevel</code> <code>RewriteLock</code> <code>RewriteMap</code> <code>RewriteBase</code> <code>RewriteCond</code> <code>RewriteRule</code>