

### 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/](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:val 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=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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