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 "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=mimetype 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)

direction

mod_rewrite Directives
RewriteEngine
RewriteMap
RewriteOptions
RewriteBase
RewriteLog
RewriteCond
RewriteRule
RewriteLock

Regular Expressions Syntax
^ Start of string
$ End of string
 . Any single character
(abc) 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+ One or more of a
a+? One or more, ungreedy
a{3} Exactly 3 of a
a{3,} 3 or more of a
a{3,6} Up 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
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

By Dave Child (DaveChild)
cheatography.com/davechild/aloneonahill.com

Published 19th October, 2011.
Page 1 of 2.

Sponsored by CrosswordCheats.com
Learn to solve cryptic crosswords!
http://crosswordcheats.com
mod_rewrite Sample Rule: Nice URLs

# Nice URLs (no query string)

```bash
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

<table>
<thead>
<tr>
<th>Variable</th>
</tr>
</thead>
<tbody>
<tr>
<td>%{API_VERSION}</td>
</tr>
<tr>
<td>%{THE_REQUEST}</td>
</tr>
<tr>
<td>%{REQUEST_URI}</td>
</tr>
<tr>
<td>%{REQUEST_FILENAME}</td>
</tr>
<tr>
<td>%{IS_SUBREQ}</td>
</tr>
<tr>
<td>%{HTTPS}</td>
</tr>
</tbody>
</table>

---

mod_rewrite Server Variables: Request

<table>
<thead>
<tr>
<th>Variable</th>
</tr>
</thead>
<tbody>
<tr>
<td>%{REMOTE_ADDR}</td>
</tr>
<tr>
<td>%{REMOTE_HOST}</td>
</tr>
<tr>
<td>%{REMOTE_PORT}</td>
</tr>
<tr>
<td>%{REMOTE_USER}</td>
</tr>
<tr>
<td>%{REMOTE_IDENT}</td>
</tr>
<tr>
<td>%{REQUEST_METHOD}</td>
</tr>
<tr>
<td>%{SCRIPT_FILENAME}</td>
</tr>
<tr>
<td>%{PATH_INFO}</td>
</tr>
<tr>
<td>%{QUERY_STRING}</td>
</tr>
<tr>
<td>%{AUTH_TYPE}</td>
</tr>
</tbody>
</table>

---

mod_rewrite Server Variables: Time

<table>
<thead>
<tr>
<th>Variable</th>
</tr>
</thead>
<tbody>
<tr>
<td>%{TIME_YEAR}</td>
</tr>
<tr>
<td>%{TIME_MON}</td>
</tr>
<tr>
<td>%{TIME_DAY}</td>
</tr>
<tr>
<td>%{TIME_HOUR}</td>
</tr>
<tr>
<td>%{TIME_MIN}</td>
</tr>
<tr>
<td>%{TIME_SEC}</td>
</tr>
<tr>
<td>%{TIME_WDAY}</td>
</tr>
<tr>
<td>%{TIME}</td>
</tr>
</tbody>
</table>