

# RewriteMap

To go in the /rewrite section of the docs, as `rewritemap.html`, this will be referenced from the documentation for [RewriteMap](#), and provide examples of the various ways to use it, replacing the somewhat confusing stuff that's there now with actual functional examples.

Sections will include:

- General description and reference to main documentation
- [RewriteMap](#) txt: (example txt file, [RewriteMap](#) directive, and [RewriteRule](#) directive)
- [RewriteMap](#) rnd:
- [RewriteMap](#) dbm:
- [RewriteMap](#) int:
- [RewriteMap](#) prg:
- [RewriteMap](#) dbd: or fastdbd:

For a description of the syntax, see [Apache manual](#)

## Problem:

We want to map

```
www.example.com --> /home/www/htdocs/hosts/www/
the hostname www may be omitted from now on
www.sub1.example.com --> /home/www/htdocs/hosts/sub1/
www.sub2.sub1.example.com --> /home/www/htdocs/hosts/sub1/sub2/
www.sub3.sub2.sub1.example.com --> /home/www/htdocs/hosts/sub1/sub2/sub3/
etc.
```

## Recipe:

```
RewriteEngine on
RewriteMap sub prg:/physical/path/to/rwmap.pl
RewriteLock /var/lock/map.sub.lock
RewriteCond %{HTTP_HOST} ^(www\.)?([a-z.-]+\)\.example\.com
RewriteRule ^/(.*) /home/www/htdocs/hosts/${sub:%2}$1 [L]
```

`rwmap.pl`:

```
#!/usr/bin/perl

$| = 1;

while(<STDIN>)
{
    chomp($_);
    my @lables = split(/\./);
    @lables = reverse @lables;
    foreach my $label (@lables) {
        $path .= $label . "/";
    }
    print $path . "\n";
}
```

Note: The trouble with this recipe is that it could be better done with `mod_vhost_alias`. It would be great if we could get a stock of [RewriteMap](#) examples that are actually the right way to do the thing being discussed.