NAME

HTTP::Config - Configuration for request and response objects

SYNOPSIS

```
use HTTP::Config;
my $c = HTTP::Config->new;
$c->add(m_domain => ".example.com", m_scheme => "http", verbose => 1);

use HTTP::Request;
my $request = HTTP::Request->new(GET => );" -P " -- http://www.example.com

if (my @m = $c->matching($request)) {
print "Yadayada\n" if $m[0]->{verbose};
}
```

DESCRIPTION

An HTTP::Config object is a list of entries that can be matched against request or request/response pairs. Its purpose is to hold configuration data that can be looked up given a request or response object.

Each configuration entry is a hash. Some keys specify matching to occur against attributes of request/response objects. Other keys can be used to hold user data.

The following methods are provided:

$conf = HTTP::Config->new
: Constructs a new empty HTTP::Config object and returns it.

$conf->entries
: Returns the list of entries in the configuration object. In scalar context returns the number of entries.

$conf->empty
: Return true if there are no entries in the configuration object. This is just a shorthand for `not $conf->entries`.

$conf->add(%matchspec, %other)
$conf->add(%entry)
: Adds a new entry to the configuration. You can either pass separate key/value pairs or a hash reference.

$conf->remove(%spec)
: Removes (and returns) the entries that have matches for all the key/value pairs in %spec. If %spec is empty this will match all entries; so it will empty the configuation object.

$conf->matching($uri, $request, $response)
$conf->matching($uri)
$conf->matching($request)
$conf->matching($response)
: Returns the entries that match the given $uri, $request and $response triplet.

  If called with a single $request object then the $uri is obtained by calling its 'uri_canonical' method. If called with a single$response object, then the request object is obtained b y calling its 'request' method; and then the $uri is obtained as if a single $request was provided.

  The entries are returned with the most specific matches first. In scalar context returns the most specific match or undef in none match.

$conf->add_item($item, %matchspec)

$conf->remove_items(%spec)
$conf->matching_items($uri, $request, $response)
Wrappers that hides the entries themselves.

Matching

The following keys on a configuration entry specify matching. For all of these you can provide an array of values instead of a single value. The entry matches if at least one of the values in the array matches.

Entries that require match against a response object attribute will never match unless a response object was provided.

m_scheme => $scheme
Matches if the URI uses the specified scheme; e.g. "http".

m_secure => $bool
If $bool is TRUE; matches if the URI uses a secure scheme. If $bool is FALSE; matches if the URI does not use a secure scheme. An example of a secure scheme is "https".

m_host_port => "$hostname:$port"
Matches if the URI's host_port method return the specified value.

m_host => $hostname
Matches if the URI's host method returns the specified value.

m_port => $port
Matches if the URI's port method returns the specified value.

m_domain => ".$domain"
Matches if the URI's host method return a value that within the given domain. The hostname "www.example.com" will for instance match the domain ".com".

m_path => $path
Matches if the URI's path method returns the specified value.

m_path_prefix => $path
Matches if the URI's path is the specified path or has the specified path as prefix.

m_path_match => $Regexp
Matches if the regular expression matches the URI's path. Eg. qr/.html$/.

m_method => $method
Matches if the request method matches the specified value. Eg. "GET" or "POST".

m_code => $digit
m_code => $status_code
Matches if the response status code matches. If a single digit is specified; matches for all response status codes beginning with that digit.

m_proxy => $url
Matches if the request is to be sent to the given Proxy server.

m_media_type => "*/*"
m_media_type => "text/*"
m_media_type => "html"
m_media_type => "xhtml"
m_media_type => "text/html"
Matches if the response media type matches.

With a value of "html" matches if $response->content_is_html returns TRUE. With a value of "xhtml" matches if $response->content_is_xhtml returns TRUE.

m_uri__*method* => undef
Matches if the URI object provides the method.

m_uri__*method* => `$string`
: Matches if the URI's `$method` method returns the given value.

m_header__*field* => `$string`
: Matches if either the request or the response have a header `$field` with the given value.

m_response_attr__*key* => undef
m_response_attr__*key* => `$string`
: Matches if the response object has that key, or the entry has the given value.

SEE ALSO

URI, HTTP::Request, HTTP::Response

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