ALOHA LOAD BALANCER
REDIRECTING A DOMAIN

"APPNOTE" #0009 — REDIRECTING A DOMAIN

This application note is intended to help you implement a domain redirection from one specific site to another using the ALOHA Load Balancer solution.

PURPOSE

Replace the "mysite.com" domain with "www.mysite.com".

COMPLEXITY

★★☆☆☆

VERSIONS CONCERNED

V 3.x and later

CHANGELOG

2013-01-02: Update for ALOHA 5.5.4 and above

2010-07-21: initial version

ALOHA 5.5.4 ET SUPERIEUR

FUNCTIONS TO USE

Despite the « redirect location » and « redirect prefix » functions are also available in the ALOHA 5.5.4 and above, it is recommended to use their equivalent through « http-request » for an easy reading of the configuration. Parameters are strictly the same for both ways.

```
http-request redirect location <to> [code <code>] <option> [{if | unless} <condition>]

http-request redirect prefix   <to> [code <code>] <option> [{if | unless} <condition>]
```

ALOHA 3.X UNTIL 5.5.3

FUNCTIONS TO USE

```
Redirect location <to> [code <code>] <option> [{if | unless} <condition>]

Redirect prefix   <to> [code <code>] <option> [{if | unless} <condition>]
```

PARAMETERS

Return an HTTP redirection if a condition is met. If no condition is specified, the redirection is applied directly.

Arguments:

<to> this value is placed in the "Location" field of the HTTP header. In the event of a redirection with a prefix, the "Location" field of the HTTP header is created by concatenating "to" and the complete URL, including the query string, unless the "drop-query" option is specified.
<code> The code is optional. It indicates which HTTP redirection type is required. Only codes 301, 302 and 303 are managed. Code 302 is used if no other code is specified.

<option> You can specify several options in order to adapt the expected behavior of a redirection:

"drop-query"
When this option is used with a redirection based on the prefix, the location will be set without any additional query string.

"append-slash"
Use this option in conjunction with "drop-query" in order to redirect users who specify a URL which does not end with "/". This may be useful for ensuring search engines see only one URL.

"set-cookie NAME [=value]"
A "set-cookie" header will be added to the response with a name (and "= value" as required). This method is used occasionally to specify that a user has been seen. If no additional options are added, then the cookie will be a session cookie.

"clear-cookie NAME [=]"
A "set-cookie" header will be added with a name (and "=" as required), but with "Max-Age" set to zero. This option tells the browser to delete this cookie.

LB LEVEL7 CONFIGURATION EXAMPLE

```
######## The first public address as seen by the clients
frontend frt
 bind  10.0.32.10:80                # address:port to listen to
 mode http
 log global                        # use global log parameters
 option httplog                    # Enable HTTP logging
 # Detect the host name in the " mysite.com " header
 acl detect hr(host) -i mysite.com
 # Redirect "mysite.com" to "www.mysite.com"
 # Until ALOHA 5.5.3
 redirect prefix http://www.mysite.com if detect
 # ALOHA 5.5.4 and above
 http-request redirect prefix http://www.mysite.com if detect
 maxconn 4000                      # max conn per instance
 timeout client 25s               # maximum client idle time (ms)
 default_backend bck               # send everything to this backend by default


####### This backend manages the servers and the load balancing algorithm
backend bck
 balance roundrobin                        # roundrobin | source | uri | leastconn
 mode http
 log global                        # use global log parameters
 option httplog                    # Enable HTTP logging
 cookie  SERVERID insert indirect nocache  # provide persistence with cookie
 option  httpchk HEAD /            # how to check those servers
 option forwardfor except 127.0.0.1/8     # add X-Forwarded-For except local
 fullconn 4000                     # dynamic limiting below
 timeout server 25s                        # max server's response time (ms)
 server srv1 10.0.32.101:80 cookie s1 weight 10 maxconn 100 check inter 1000 fall 3
 server srv2 10.0.32.102:80 cookie s2 weight 10 maxconn 100 check inter 1000 fall 3
```

RELATED ARTICLES

WRITING CONDITION RULES

To know how to create rules which allow (or not) the redirection, please read the application note **#0057 – http Request Routing**.