

## Select specific backend server based on Query parameter

### Use Case:

In many cases you may want to pick up the backend server based on incoming request parameters and then persist the request to go to the specific pool of backend servers. This can help with the typical shopping cart applications or Web based deployments where you want to create and track session based on specific client input.

### F5 iRules:

```
when CLIENT_ACCEPTED {
    set default_pool [LB::server pool]
}

when HTTP_REQUEST {
    set target_member [URI::query [HTTP::uri] server]
    if {!(($target_member eq "")} {
        pool $default_pool member $target_member
        HTTP::uri [tring map -nocase [list "&server=$target_member" "" ] [HTTP::uri]]
    }
}
```

URL: <https://devcentral.f5.com/questions/irule-to-hit-a-specific-webserver-instance-directly>

### NetScaler Solution:

```
add cs action select_lb -targetvServerExpr
'HTTP.REQ.URL.QUERY.VALUE("target") ALT "default-vip"'

add cs policy policy_select_lb -rule
HTTP.REQ.URL.QUERY.VALUE("target").NE("") -action select_lb
```

NetScaler provides Content Switching infrastructure where you can define the logic of switching the request across multiple server pools based on incoming traffic content. Here based on the value of

“target” query parameter, NetScaler will select specific action group. You just need to bind the cs policy to respective content switching vserver.