

## Proxy Chaining via Categorization

### Use Case:

Lots of business applications requires content categorization and proxy decision making based on content categories.

### F5 iRules:

```
when RULE_INIT {
    log local0. "Proxy Chain iRule"
    set static::Proxy_Chain_categories {
        /Common/Restaurants_and_Dining
    }
    set static::Proxy_Chain_debug 1
}
when HTTP_PROXY_REQUEST {
    set proxy_chain 0
    if { $static::Proxy_Chain_debug } { log local0. "URI: [HTTP::uri]" }

    # Check for a category match
    set reply [getfield [CATEGORY::lookup [HTTP::uri]] " " 1]
    if {[lsearch -exact $static::Proxy_Chain_categories $reply] >= 0}{
        if { $static::Proxy_Chain_debug } { log local0. "HIT: The category
$reply should be bypassed for [HTTP::uri]" }
        set proxy_chain 1
    }

    # Check for a URI::host for HTTP connections
    if {[URI::host [HTTP::uri]] == "www.cariboucoffee.com"} {
        set proxy_chain 1
    }

    # Perform the prescribed action
    if { $proxy_chain } {
        if { $static::Proxy_Chain_debug } { log local0. "Proxy Chain:
[HTTP::method] URI:[HTTP::uri]" }
        HTTP::proxy disable
        snat 10.10.1.10
    }
}
```

```
    pool squid  
  }  
}
```

## NetScaler Solution:

```
add patset Proxy_Chain_categories
```

```
bind patset Proxy_Chain_categories "Restaurants_and_Dining"
```

```
bind patset Proxy_Chain_categories "Restaurants_and_Dining1"
```

```
bind patset Proxy_Chain_categories "Welcome Page"
```

```
bind patset Proxy_Chain_categories "caribou"
```

```
add cs action prox_act -targetlbVserver squid
```

```
add cs policy prox_pol -rule 'HTTP.REQ.URL.EQUALS_ANY("Proxy_Chain_categories") ||
```

```
HTTP.REQ.URL.CONTAINS("www.cariboucoffee.com")' -action prox_act
```

```
bind cs vserver cs_vserver_1 -policyName prox_pol -priority 1
```

NetScaler would look at the categories as defined in the incoming URL and would decide which proxy pool the request should go to.