

Putting It All Together

Below is the full iRule to implement basic link tracking. All normal requests will fall through the “default” case in the switch statement and add the view counts to the link table. I’ve created two special URI’s to handle the reporting and data management

- “/linkadmin” - This will generate the HTML response page and return it to the browser with all the links and their view counts.
- “/linkcleardata” - This will erase the contents of the link data table.

```
1: when HTTP_REQUEST {
2:   set TABLE_LINKDATA "LINK_TRACKING_[virtual name]"
3:   switch [string tolower [HTTP::uri]] {
4:     "/linkadmin" {
5:       set content {<html><head><title>Link Tracking</title></head><body><center>
6:         <table border='1'><tr><th colspan='2'><a href='/linkcleardata'>Clear Data</a></th></tr>
7:         <tr><th width='100%'>URI</th><th>Views</th></tr>
8:         foreach key [table keys -subtable $TABLE_LINKDATA] {
9:           append content "<tr><td>$key</td><td>[table lookup -subtable $TABLE_LINKDATA $key]</td></tr>";
10:        }
11:        append content "</table></center></body></html>";
12:        HTTP::respond 200 Content $content;
13:      }
14:     "/linkcleardata" {
15:       table delete -subtable $TABLE_LINKDATA -all;
16:       HTTP::redirect "http://[HTTP::host]/linkadmin"
17:     }
18:     default {
19:       if { [table incr -subtable $TABLE_LINKDATA -mustexist [HTTP::uri] eq ""] {
20:         table set -subtable $TABLE_LINKDATA [HTTP::uri] 1 indefinite indefinite;
21:       }
22:     }
23:   }
24: }
```

Video Walkthrough

[Link Tracking With iRules - Part 1](#)

More To Come!

There are several ways to enhance this iRule that I will be illustrating in future articles over the next few weeks. I'll look into building URI filters to allow you to only track certain URIs as well as adding filtering features in the generated link count report. Be on the lookout!

Get The Source

The source code for this application can be downloaded the [LinkTracking](#) topic in the [iRules CodeShare](#).

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F5 Networks, Inc. | 401 Elliot Avenue West, Seattle, WA 98119 | 888-882-4447 | f5.com

F5 Networks, Inc.
Corporate Headquarters
info@f5.com

F5 Networks
Asia-Pacific
apacinfo@f5.com

F5 Networks Ltd.
Europe/Middle-East/Africa
emeainfo@f5.com

F5 Networks
Japan K.K.
f5j-info@f5.com

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