

PURL Referral Reporting Tool

Karen Sieger
Manager, Web Content Management
Library Services and Content Management
U.S. Government Printing Office


What is the PURL Referral Reporting Tool?

- Provides statistics for Federal depository libraries of requests made to GPO-created PURLs (<http://purl.access.gpo.gov/>* and <http://purl.fdlp.gov/>*).
- Used to evaluate the total number as well as what types of PURLs are accessed at your institution.
- Statistics are generated daily and are cumulative monthly.
- Historical traffic is available for a minimum of 1 year.
- Export data in comma separated value (CSV) format.
- Tool enhancements are possible based on community prioritization and GPO funding/staffing resources.

<http://purlreferrals.fdlp.gov>

Login with your FDLP Desktop
account credentials.

DEMO: Date/Property Search

 **FDLP PURL Referrals**

View PURL referral statistics for your institution using the form below. Data is compiled through the previous day for the current month. Historical data is available for a maximum of 12 months. Historical and monthly cumulative reports are available in the [file repository](#) of the FDLP Desktop.

Detailed information about PURL referral logic and computation can be found on the [FDLP Desktop](#).

1. Select Timeframe

September 2011 ▾

2. Enter Your Hostname(s) and/or IP Address(es)

Enter **up to 10 combinations** of full or partial hostnames and/or IP addresses (separated by a comma) in the box provided below. Use an asterisk (*) as a wildcard. Search examples: www.lib.purdue.edu, *.udel.edu, 141.217.41.27, 203.117.*

(Enter a maximum of 10 entries)

www.lib.purdue.edu, *.udel.edu,
159.230.78.170, 213.55.*.*

DEMO: Basic Stat Output



FDLP PURL Referrals

Results for September 2011

Hostname/IP Address	Referrals
www.lib.purdue.edu	50
*.udel.edu	517
159.238.78.170	16
213.55.*.*	2

Total **585**

[Export results in CSV format](#)

[<- New Search](#)

DEMO: Detail Stat Report



FDLP PURL Referrals

Detailed Report

www.lib.purdue.edu received a total of 50 referral(s) for September 2011. The following is a listing of the top referred PURL resources (maximum 50).

PURL	Target URL	# of Referrals	CGP Search
/GPO/LPS1063	http://www.nass.usda.gov/Publications/An_Statistics/index.asp	24	Go
/GPO/LPS2430	http://bjs.ojp.usdoj.gov/index.cfm?ty=pbs&tsid=4	7	Go
/GPO/LPS20319	http://www.usdoj.gov/eoir/OcahoMain/ocahosibpage.htm	7	Go
/GPO/LPS3281	http://govinfo.library.unt.edu/nglsc/reports/finrpt.html	3	Go
/GPO/LPS40400	http://www.dhs.gov/files/statistics/publications/yearbook.shtm	3	Go
/GPO/LPS6500	http://www.whitehousedrugpolicy.gov/policy/ndcs.html	2	Go
/GPO/LPS78393	http://vebharvest.gov/peth04/20041031181656/http://www.usdoj.gov/eoir/vll/intdec/lib_indecitnet.html	1	Go
/GPO/LPS31411	http://permanent.access.gpo.gov/lps31411/	1	Go
/GPO/LPS49755	http://www.ncjrs.gov/pdffiles1/nij/199408.pdf	1	Go
/GPO/LPS83224	http://permanent.access.gpo.gov/lps83224	1	Go

[Export results in CSV format](#)

[<- New Search](#)

DEMO: CGP Search Result

The screenshot shows the search results page for the Catalog of U.S. Government Publications. The search criteria is WURL=LPS1063. The results table shows one record: 'Agricultural statistics (Washington, D.C.: Online)' from 1936, with SuDoc Number A1.47 and an internet access link. The page includes navigation options like 'Previous Page' and 'Next Page', and a search revision section at the bottom.

#	Title	Year	Author	SuDoc Number	Internet Access
1	Agricultural statistics (Washington, D.C.: Online)	1936		A1.47.	http://purl.access.gpo.gov/GPO/LPS1063

DEMO: CGP Record View

The screenshot shows the full view record page for the record 'Agricultural statistics (Washington, D.C.: Online)'. It provides detailed information including the title, publisher (Washington, DC: U.S. Dept. of Agriculture, National Agricultural Statistics Service), internet access link, SuDoc Number (A1.47), ISSN (0082-9714), item number (0001), and LC Number (HD1751). It also includes a uniform title and publication dates (Print began in 1936).

Title	Agricultural statistics [electronic resource] /
Publisher Info.	Washington, DC : U.S. Dept. of Agriculture, National Agricultural Statistics Service
Internet Access	http://purl.access.gpo.gov/GPO/LPS1063
SuDoc Number	A1.47:
ISSN	0082-9714
Item Number	0001
	0001-A-01 (online)
LC Number	HD1751
	HD1751 .A43
Uniform Title	Agricultural statistics (Washington, D.C. : Online)
Variation of Title	HTML header title: USDA-National Agricultural Statistics Service, agricultural statistics
Publication Dates	Print began in 1936.

Extracting PURL Usage Data from Log Files

- Based on headers from incoming requests.
- Traffic is routed based on the completeness of the headers.

Preference	Referer	User-Agent	Rating
1	✓	✓	Best
2	✓	–	Better
3	–	✓	Acceptable
4	–	–	Unreportable

- Known robots and traffic meeting #4 above are not included in the PURL referrals.

Traffic Examples

1. Referrer and User-Agent

```
corb089146.halls.colostate.edu -- [11/Oct/2011:00:02:11 -0400] "GET /GPO/LPS523
HTTP/1.1" 302 275 "http://lib.colostate.edu/databases/?tab=subject" "" "Mozilla/5.0
(Windows NT 6.1; WOW64; rv:6.0.2) Gecko/20100101 Firefox/6.0.2""
```

2. Referrer with No User-Agent

```
lawn-143-215-125-101.lawn.gatech.edu -- [11/Oct/2011:00:12:53 -0400] "GET
/GPO/LPS121195 HTTP/1.1" 302 327
"http://portal.library.gatech.edu/vufind/Record/925734" "-" ""
```

3. User-Agent with No Referrer

```
proxy.library.jhu.edu -- [11/Oct/2011:00:10:32 -0400] "GET /GPO/LPS118215 HTTP/1.1"
302 382 "-" "" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; Trident/4.0;
GTB7.1;.NET4.0C)""
```

4. Neither Referrer Nor User-Agent

```
library.uh.edu -- [11/Oct/2011:00:01:38 -0400] "GET /GPO/LPS3605 HTTP/1.0"
302 298 "-" "-" ""
```

Why Not Include All Traffic?

```
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS3580 HTTP/1.0" 302 290 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS1458/ HTTP/1.0" 404 1242 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS2649 HTTP/1.0" 302 264 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS2314 HTTP/1.0" 302 288 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS5735 HTTP/1.0" 302 266 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS6186 HTTP/1.0" 302 286 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS194 HTTP/1.0" 302 302 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS1510 HTTP/1.0" 302 268 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS547 HTTP/1.0" 302 281 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS547 HTTP/1.0" 302 281 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS4842 HTTP/1.0" 302 331 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS4300 HTTP/1.0" 302 283 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS1222 HTTP/1.0" 302 310 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS2251 HTTP/1.0" 302 275 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS3361 HTTP/1.0" 302 256 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS3419 HTTP/1.0" 302 305 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS1692 HTTP/1.0" 302 293 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS3286 HTTP/1.0" 302 271 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS5135 HTTP/1.0" 302 280 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS4225 HTTP/1.0" 302 283 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS4394 HTTP/1.0" 302 273 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS5059 HTTP/1.0" 302 269 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS1517 HTTP/1.0" 302 281 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS1663 HTTP/1.0" 302 290 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS4200 HTTP/1.0" 302 288 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS3289 HTTP/1.0" 302 281 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS3558 HTTP/1.0" 302 323 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS533 HTTP/1.0" 302 271 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS6549 HTTP/1.0" 302 281 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS3752 HTTP/1.0" 302 288 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS4942 HTTP/1.0" 302 268 "-" "-"
alpha3.suffolk.lib.ny.us -- [30/Sep/2011:02:05:33-0400] "GET /GPO/LPS6108 HTTP/1.0" 302 283 "-" "-"
```

- While a PURL is requested, there is no indication that the request is made from a patron.
- Frequency of requests indicates a bot (e.g., link validator).
- Including this type of traffic would erroneously inflate a depository's traffic statistic.

Limitations of the PURL Referral Reporting Tool

- Used only if your institution links to Federal publications using PURLs.
- Is not the sole reporter of patron usage.
- Institutions using a shared OPAC cannot isolate traffic that originated from their institution. Credit is attributed to the shared catalog (based on referer).
- Institutions sending headers with no referrer AND no user-agent need to modify their headers in order to obtain referral statistics.

Insider Tips

- Provide a referrer for the most accurate statistics. Statistics are only as good as the headers provided to GPO.
- Consult your IT department for the hostnames and IP addresses used by your institution. Consider off-campus access through proxy servers.
- Use wildcards for broader searching and use specific addresses to isolate traffic.
- Exclude traffic from staff computers by searching specifically for those workstations. Either subtract those from your institution's overall total or contact GPO to have that traffic rerouted to the bot layer.

Learn More & Help

- Read about PURL referrals and the reporting tool on the FDLP Desktop:
 - Linking to Federal Resources Using Persistent Uniform Resource Locators (PURLs) <http://www.fdlp.gov/collections/building-collections/614-purls>
 - PURL Enhancement and Stabilization <http://www.fdlp.gov/home/about/717-purl-enhancement-and-stabilization>
- Contact me through the FDLP Community site.
 - Private Message @ ksieger
 - FDLP Web Services forum <http://community.fdlp.gov/distribution/viewforum.php?f=67>