DSPACES STATISTICS: GOOGLE ANALYTICS, SOLR

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Outline:

- Google Analytic
- Solr Statistics
- Dspace Community/Collection/Item Statistics
- Dspace Discover
Dspeace Google Analytics

- To record User Interface traffic and downloads from Dspace
- Until Dspace 5.0 only User Interface activity could be recorded, means downloads initiated straight from a Google search were not recorded.
- In Dspace 5.0, it has also become possible to expose that recorded Google Analytics data within Dspace in XMLUI Mirage2 but not in JSPUI
Dspace Google Analytics

- Go to your Google Analytics dashboard [http://www.google.com/analytics/](http://www.google.com/analytics/)
- Login into with your Google credentials
- Sign up for Google analytics
- Add new account and provide the website/Dspace address which you want to track
- Get the tracking ID and accept Google agreement

**Note:** You have to provide the public address of website/Dspace
New Account

What would you like to track?

Website  Mobile app

Tracking Method

This property works using Universal Analytics. Click Get Tracking ID and implement the Universal Analytics tracking code snippet to complete your set up.

Setting up your account

Account Name  required
Accounts are the top-most level of organisation and contain one or more tracking IDs.

testidspace

Setting up your property

Website Name  required

niscair

Website URL  required

http://www.nsl.niscair.res.in

Industry Category

Select One

Reporting Time Zone
Find your basic tracking code, and additional data-collection settings.

The following settings are available only in Universal Analytics.

Click Tracking Code to find the basic code snippet for a website or to download platform SDKs for an app (websites & apps).

Click Session Settings to configure the length of a session and of a campaign (websites & apps).

An incorrect session length can have a negative impact on visit-based analysis; for example, if your users would normally have more than 30 minutes of inactivity during a session, a shorter timeout would divide single-session data into multiple sessions and provide an inaccurate picture of activity.

Set campaign timeout to correspond to the length of time you want to be able to attribute a visit or conversion to one of your campaigns. For example, if you run seasonal campaigns, set this value to 3 Months; if you run weekly campaigns, set this value to 7 Days.

Tracking ID

UA-59145654-1

Website tracking

This is the Universal Analytics tracking code for this property. To get all the benefits of Universal Analytics for this property, copy and paste this code into every web page that you want to track.

This is your tracking code. Copy and paste it into the code of every page that you want to track.

```
<script>
(function(i,s,o,r,a,m)i.t=s.t.parentNode.insertBefore(a,m)
)('s','script','https://www.google-analytics.com/analytics.js','ga');
</script>
```
Dspace Google Analytics

- Copy the tracking Id looking like UA-XXXXXXXXX-X
- Open the dspace.cfg file in your Dspace directory
- Find for Google analytics code:
  jspui.google.analytics.key
- Uncomment this line
- Paste the Google tracking Id in front of this code
- Restart Tomcat
- In Google analytics account, you can view the traffic in different forms (charts, reports etc.) after some time
- Now it’s done!!
Dspace Google Analytics
Screen shot of /dspace/config/dspace.cfg

# webui.session.invalidate = true

# If you would like to use Google Analytics to track general website statistics then
# use the following parameter to provide your Analytics key. First sign up for an
# account at http://analytics.google.com, then create an entry for your repository
# website. Analytics will give you a snippet of JavaScript code to place on your site,
# inside that snippet is your Google Analytics key usually found in this line:
# uacct = "UA-XXXXXX-X"
# Take this key (just the UA-XXXXXX-X part) and place it here in this parameter.
jspui.google.analytics.key=UA-591445654-1

# These configs are only used by the XML User Interface
Solr Statistics

- For Solr UI access, type in browser
  http://server_ip_or_dns:port_number/solr
  (default permission solr access on localhost)

DASHBOARD
Solr Statistics ..... e.g. of Plugin/Statistics for current running server in cache
Solr Statistics ..... 
- e.g. of Analysis Report in Solr
DSpace Statistics

- Default statistics details of Communities/Collections/Items visible public (for non restricted items, i.e. Item Metadata and bitstream accessible by Anonymous user or specified group)
DSpace Statistics ....

- Statistics details display as

DSpace JSPUI

Test5 कमल घर ज DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets

Learn More

DSpace Authorization / Information Sciences / Cloud Department / Enterprise solutions

Statistics

Total Visits

Views
Enterprise solutions 4

Total Visits per Month

<table>
<thead>
<tr>
<th>Month</th>
<th>Views</th>
</tr>
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<tbody>
<tr>
<td>August 2014</td>
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<tr>
<td>January 2015</td>
<td>4</td>
</tr>
<tr>
<td>February 2015</td>
<td>0</td>
</tr>
</tbody>
</table>

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DSpace Statistics ....

- For customizing default dspace statistics (e.g.: from start date of statistics) in /dspace/config/dstat.cfg
- Dspace indexing (set in cron-job)
  - Also need to re-index discovery
    /dspace/bin/dspace index-discovery
  - Indexing optimize
    /dspace/bin/dspace index-discovery -o

```bash
# DSpace information

# the year and month to start creating reports from
# - year as four digits (e.g. 2005)
# - month as a number (e.g. January is 1, December is 12)
start.year = 2005
start.month = 1

# actions to place in the general summary
general.summary=archive_item
general.summary=view_bitstream
general.summary=view_item
```
DSpace Statistics ....

- Other Statistics command (set in cron-job)

  # Cleanup Web Spiders from DSpace Statistics Solr
  /dspace/bin/dspace stats-util -i

  # Re-Optimize DSpace Statistics Solr Index
  /dspace/bin/dspace stats-util -o

  # This ensures each year has its own Solr index, which improves performance.
  /bin/dspace stats-util -s
DSpace Discovery

After indexing Discover (set in cron-job), display discovery in Home page and left side of search.

/dspace/bin/dspace index-discovery

Indexing optimize

/dspace/bin/dspace index-discovery -o

This is a default installation of DSpace!

It can be extensively configured by installing modified JSPs, and altering the site configuration.

Communities in DSpace
Choose a community to browse its collections.

Information Sciences

Discover

<table>
<thead>
<tr>
<th>Author</th>
<th>Date issued</th>
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<tbody>
<tr>
<td>author, list</td>
<td>1992</td>
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</tbody>
</table>
Enable DSpace Statistics

Statistics tab is present under Administer in JSPUI and Administrative in XMLUI

The following scripts must be run (in this order) to generate the statistics:

/dspace/bin/dspace stat-initial
/dspace/bin/dspace stat-general
/dspace/bin/dspace stat-monthly
/dspace/bin/dspace stat-report-initial
/dspace/bin/dspace stat-report-general
/dspace/bin/dspace stat-report-monthly
Thanks