The DSpace Course - DSpace Statistics and Google Analytics

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The DSpace Course

Module – DSpace statistics and Google Analytics
Module objectives

By the end of this module you will:

- Know what statistics DSpace can provide
- How to make the statistics publicly available
- Understand what Google Analytics is and some of the statistics it can provide
- **DSpace statistics:**
  - Collated from DSpace log files
  - Reports generated daily (daily and monthly reports)
  - [http://dspace.example.com/dspace/statistics](http://dspace.example.com/dspace/statistics)
    - Or via the Administer menu
  - Can be private (must be logged in) or public
    - In dspace.cfg:
      - report.public = [true | false]
The following statistics are collected

- General overview (e.g. number of items archived / number of item views / user logins)
- Archive Information (numbers of each type of item)
- Item view counts
- Actions performed
- Search terms used
Statistics Configuration

- Configuration for the stats system is in
  - [dspace]/config/dstat.cfg

- For regular generation set up the following cron jobs:
  - # Run stat analyses
  - 0 1 * * * [dspace]/bin/stat-general
  - 0 1 * * * [dspace]/bin/stat-monthly
  - 0 2 * * * [dspace]/bin/stat-report-general
  - 0 2 * * * [dspace]/bin/stat-report-monthly

- Report scripts need to be run AFTER other scripts
Practical: Generate Statistics

- Ensure the report.dir is set correctly (by default it will):
  
  [dspace]/config/dspace.cfg file

- Set the start.year and start.month in [dspace]/config/dstat.cfg

- Run the statistics scripts
  1. cd [dspace]/bin
  2. ./stat-initial
  3. ./stat-general
  4. ./stat-monthly

- Run the report scripts
  1. ./stat-report-initial
  2. ./stat-report-general
  3. ./stat-report-monthly

- Open a browser and navigate to [dspace.url]/jspui/statistics
Google Analytics allow a richer and more detailed suite of statistics:

- Time visitors spent on the site
- Where they came from
- Terms they used in search engines to find items
- The geographic location of visitors
- How many pages they looked at
- Which pages they started and ended their visit on

JSPUI requires a small code change, Manakin has a configurable option.
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