



Content and Usage Analysis

The Reporting Suite's Content and Usage Analysis module (CUA) offers the most comprehensive solution to repository usage and content analysis for DSpace today.

This document describes the **Content and Usage Analysis Module** functionality, available for public evaluation at **@mire Labs** (<http://atmire.com/labs>).



Measuring Repository Usage

Repository usage can be measured by keeping track of pageviews and file downloads. CUA enables you to properly select and visualize the data to properly generate reports for this data. With CUA you can analyse the usage of your repository on following levels

- Full Repository
- Community
- Collection
- Items
- Bitstreams

Repository Communities Collections Items Bitstreams

Show usage statistics for: Entire repository

Included usage data:

- Repository Homepage views
- Community Homepage views
- Collection Homepage views
- Item Page views
- Bitstream Downloads
- All None

On these levels, the distinction can clearly be made between different types of pageviews and bitstream downloads. The resulting data can be visualized as a table or a graph, and filtered on a specific timespan.

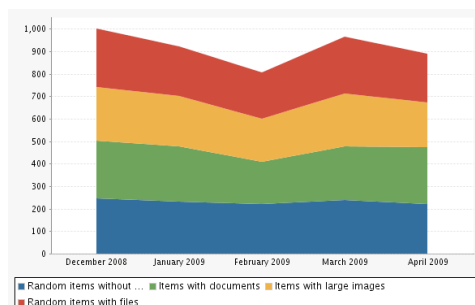
All graphs can be saved as images, while all numerical data can be **exported in a generic spreadsheet format**.

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Data Graph

Use The Time Filter Hide Options Group by

Jun 2009 Oct 2009 Month

Click on a cell below to modify its content

Swap rows & columns

		Time				
		A	B	C	D	E
		June 2009	July 2009	August 2009	September 2009	October 2009
1	@mire Labs Entire Repository	778	830	825	767	784

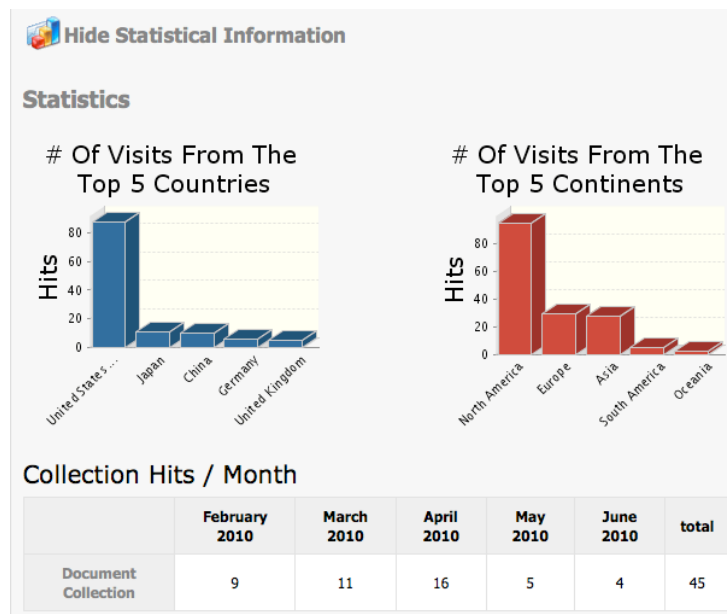


Customizable Statlets for each page in DSpace

With the CUA module, an administrator can use all of the functionality and power from the administrator interface to create data tables and graphs, to produce "Statlets" that can be enabled for the different types of web pages in DSpace. Examples include:

- specific item level statistics on item pages
- collection or community statistics
- general repository statistics for the DSpace homepage

An XML configuration file enables an administrator to include statlets of his or her choice on the different pages in DSpace.



SOLR power for DSpace: The Usage Data Goldmine

Prior to version 1.6, DSpace did not feature a granular and scalable back-end infrastructure for usage event logging. In 2009, @mire developed and contributed such an infrastructure to the DSpace 1.6 development. SOLR, the blazing fast open source enterprise search platform from the Apache Lucene project formed the basis for this Usage Event logging and Query Service.



This is why @mire's CUA module seamlessly fits with DSpace 1.6 (or newer) and does not require any additional logging or indexing of its own.

Through the contribution of the SOLR Statistics back-end infrastructure, @mire enabled the DSpace community to tap into vast richness of the goldmine of usage events. @mire's CUA module has the tools to turn this raw information-gold into jewelry.

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