

## MetacatUI - Feature #6289

### Create usage statistics service

12/09/2013 02:05 PM - Matt Jones

|   |                                  |
|---|----------------------------------|
| <b>Status:</b> Rejected   | <b>Start date:</b>               |
| <b>Priority:</b> Normal   | <b>Due date:</b>                 |
| <b>Assignee:</b>  | <b>% Done:</b> 0%                |
| <b>Category:</b>  | <b>Estimated time:</b> 0.00 hour |
| <b>Target version:</b> 1.5.0  | <b>Spent time:</b> 0.00 hour     |
| <b>Bugzilla-Id:</b>   |                                  |
| <b>Description</b>  |                                  |
| <p>Currently the only usage stats we have in Metacat are the raw logs. This new service would provide several statistical reports in machine-readable format intended for efficient use on clients for building user interface displays that show those statistics.</p> <p>The service should include the following response statistics, and be extensible to add other tracked statistics as needed:</p> <ol style="list-style-type: none"><li>1. Number of views (defined as number of times the metadata has been viewed on the web)</li><li>2. Number of package downloads (needs definition)</li><li>3. Size in bytes of package downloads</li><li>4. Number of citations (implement in a second phase)</li></ol> <p>For each of these statistics, calling apps should be able to constrain the results to only include certain records pertaining to:</p> <ol style="list-style-type: none"><li>1. a PID or list of PIDs</li><li>2. a user or list of users (DN, or ORCID, or some amalgam -- to be discussed)</li><li>3. a time range</li><li>4. a spatial range</li></ol> <p>For each of these statistics, calling apps should be able to request the statistic aggregated by several specific facets, including the following (in order of importance):</p> <ol style="list-style-type: none"><li>1. PID</li><li>2. User (DN, or ORCID, or some amalgam -- to be discussed)</li><li>3. Time range, aggregated to requested unit (day, week, month, year)</li><li>4. Spatial range, aggregated to requested unit (to be discussed)</li></ol> <p>Intersections of these aggregated facets should also be possible, but are a lower priority than the facets alone. For example, when finished, one should be able to request the following reports, among others:</p> <ol style="list-style-type: none"><li>1. Number of downloads by pid</li><li>2. Number of downloads by user (aggregates across pids)</li><li>3. Number of downloads by month (aggregates across pids)</li><li>4. Number of downloads by spatial location (aggregates across pids)</li><li>5. Number of downloads by pid by month</li><li>6. Number of downloads by user by month</li><li>7. etc.</li></ol> <p>The download format (JSON?, XML?) should allow for an extended set of response variables, and an extendable set of aggregating facets. Need to discuss.</p> <p>The REST API for this service should be developed in the DataONE space, with intention of it being implementable by both other MNs and CNs in DataONE.</p> |                                  |
| <b>Related issues:</b>  |                                  |
| Is duplicate of Metacat - Feature #5989: Track data download, view and citati...  | <b>In Progress</b>               |

### History

#1 - 12/09/2013 02:31 PM - Matt Jones

- Description updated

**#2 - 12/09/2013 02:34 PM - Matt Jones**

- *Description updated*

**#3 - 12/09/2013 02:34 PM - Matt Jones**

- *Target version set to 1.5.0*

**#4 - 12/09/2013 02:38 PM - Matt Jones**

- *Status changed from New to Rejected*

Duplicate of [#5989](#). Updated [#5989](#) with this description.