

# Earlier Implementation Description - GSoC09

This is the list of methods/endpoints implemented in earlier development stage.

| Name and description      | Value and notes                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base URI:                 | /communities?topLevelOnly=true&idOnly=false                                                                                                                                               |
| Description:              | Returns a list of all communities on the system or return just top level communities.                                                                                                     |
| HTTP method:              | GET                                                                                                                                                                                       |
| Optional parameters:      | topLevelOnly=true: returns only top level communities<br>idOnly=false: if true return only the identifiers for the record, by default return the full record                              |
| Sorting fields supported: | id, name, countitems: sorting by id, community name and item count                                                                                                                        |
| Response formats:         | json, xml                                                                                                                                                                                 |
| Status codes              | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                                                              |
| Response details          | By default contains item count, identifier, handle and name and other referencing data, or 204 if none. Additionally, based on parameter idOnly=true the method returns only identifiers. |

| Name and description      | Value and notes                                                                                                                                                                                                              |
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| Base URI:                 | /communities/{id}/parents?idOnly=false&immediateOnly=true                                                                                                                                                                    |
| Description:              | Returns a list of all parent communities of the id community.                                                                                                                                                                |
| HTTP method:              | GET                                                                                                                                                                                                                          |
| Optional parameters:      | idOnly=false: if true return only the identifiers for the record, by default return the full record<br>immediateOnly=true: if false then return all parents for this community, by default return only the immediate parents |
| Sorting fields supported: | id, name, countitems: sorting by id, community name and item count                                                                                                                                                           |
| Response formats:         | json, xml                                                                                                                                                                                                                    |
| Status codes              | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                                                                                                 |
| Response details          | Contains item count, identifiers, handle and name or 204 if id is already top-level. Additionally, based on parameter idOnly=true the method returns only identifiers.                                                       |

| Name and description      | Value and notes                                                                                     |
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| Base URI:                 | /communities/id/children?idOnly=false                                                               |
| Description:              | Returns a list of immediate sub-communities (children) of the id community.                         |
| HTTP method:              | GET                                                                                                 |
| Optional parameters:      | idOnly=false: if true return only the identifiers for the record, by default return the full record |
| Sorting fields supported: | id, name, countitems: sorting by id, community name and item count                                  |
| Response formats:         | json, xml                                                                                           |

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| Status codes     | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                        |
| Response details | Contains item count, identifiers, handle and name or 204 if none. Additionally, based on parameter idOnly=true the method returns only identifiers. |

| Name and description      | Value and notes                                                                                                                                                                                      |
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| Base URI:                 | /communities/id/collections?idOnly=false                                                                                                                                                             |
| Description:              | Returns a list of collections in the id community                                                                                                                                                    |
| HTTP method:              | GET                                                                                                                                                                                                  |
| Optional parameters:      | idOnly=false: if true return only the identifiers for the record, by default return the full record                                                                                                  |
| Sorting fields supported: | id, name, countitems: sorting by id, collection name and item count                                                                                                                                  |
| Response formats:         | json, xml                                                                                                                                                                                            |
| Status codes              | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                                                                         |
| Response details          | Contains item count, identifiers, name, archival status, last modification and handle of collections, or 204 if there are none of them. Additionally with idOnly=true only identifiers are returned. |

| Name and description      | Value and notes                                                                                                                 |
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| Base URI:                 | /communities/id/recent?idOnly=false                                                                                             |
| Description:              | Returns a list of recent submissions to a community                                                                             |
| HTTP method:              | GET                                                                                                                             |
| Optional parameters:      | idOnly=false: if true return only the identifiers for the record, by default return the full record                             |
| Sorting fields supported: | id, name, lastmodified, submitter: sorting by id, name(title), last modified date and submitter(name) of item                   |
| Response formats:         | json, xml                                                                                                                       |
| Status codes              | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                    |
| Response details          | Contains complete items from recent submissions in community. Additionally, contains only identifiers when idOnly=true is used. |

| Name and description      | Value and notes                                                                                     |
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| Base URI:                 | /collections?idOnly=false                                                                           |
| Description:              | Returns a list of all collections in the system                                                     |
| HTTP method:              | GET                                                                                                 |
| Optional parameters:      | idOnly=false: if true return only the identifiers for the record, by default return the full record |
| Sorting fields supported: | id, name, countitems: sorting by id, collection name and item count                                 |
| Response formats:         | json, xml                                                                                           |

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| Status codes     | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                                                  |
| Response details | Contains item count, identifiers, name and handle of collections, or 204 if there are none of them. In the case idOnly=true is used, returns only identifiers of collections. |

| Name and description      | Value and notes                                                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base URI:                 | /collections/id/communities?idOnly=false                                                                                                                            |
| Description:              | Returns a list of all communities a collection with id belongs to                                                                                                   |
| HTTP method:              | GET                                                                                                                                                                 |
| Optional parameters:      | idOnly=false: if true return only the identifiers for the record, by default return the full record                                                                 |
| Sorting fields supported: | id, name, countitems: sorting by id, community name and item count                                                                                                  |
| Response formats:         | json, xml                                                                                                                                                           |
| Status codes              | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                                        |
| Response details          | Contains item count, identifier, name and handle of collections, or 204 if there are none of them. Additionally, when idOnly=true is used, return only identifiers. |

| Name and description      | Value and notes                                                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base URI:                 | /collections/id/items?idOnly=false&in_archive=false                                                                                                                                    |
| Description:              | Returns a list of all items from the collection id                                                                                                                                     |
| HTTP method:              | GET                                                                                                                                                                                    |
| Optional parameters:      | idOnly=false: if true, return only identifiers of result records<br>in_archive=false: defines should it return in_archive items only or all items if true                              |
| Sorting fields supported: | id, name, lastmodified, submitter: sorting by id, name, lastmodified date and submitter of item                                                                                        |
| Response formats:         | json, xml                                                                                                                                                                              |
| Status codes              | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                                                           |
| Response details          | Contains full information info including name, submitter, collections related or 204 if there are none of them<br>In the case idOnly=true is used, return only identifiers of results. |

| Name and description | Value and notes                                                                                                                                                                                                                                                                                                                                                                      |
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| Base URI:            | /search?query=query&(community=id!collection=id)&idOnly=false                                                                                                                                                                                                                                                                                                                        |
| Description:         | Returns a list of all objects found by searching criteria                                                                                                                                                                                                                                                                                                                            |
| HTTP method:         | GET                                                                                                                                                                                                                                                                                                                                                                                  |
| Optional parameters: | query: string query for searching, without query method behaves like browsing with additional sorting/ordering capabilities<br>community=id: the id of community limiting search to<br>collection=id: the id of collection limiting search to<br>Notice: community and collection are mutually exclusive options<br>idOnly=false: using true returns only identifiers of the results |

|                             |                                                                                                                      |
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| Sorting fields supported:   | id, name, lastmodified, submitter: sorting by id, name, last modified date or submitter of item                      |
| Sorting/ordering modifiers: | title, issueDate, author, subject, submitter                                                                         |
| Response formats:           | json, xml                                                                                                            |
| Status codes                | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                         |
| Response details            | Item info with basic metadata for the search results. Additionally return only identifiers when idOnly=true is used. |

| Name and description        | Value and notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Base URI:                   | /harvest?startdate=startdate&enddate=enddate?(community=id!collection=id)&idOnly=false&withdrawn=false                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description:                | Returns a list of all objects that have been created, modified or withdrawn within specified time range                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HTTP method:                | GET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Optional parameters:        | startdate: start date<br>enddate: end date<br>date is defined with ISO 8601 format, e.g. YYYY-MM-DD or 2009-08-20T21:15Z; if the date parameters are omitted, then from_beginning/to_current_time are assumed<br>community=id: the id of community limiting search to<br>collection=id: the id of collection limiting search to<br>Notice: community and collection are mutually exclusive options<br>idOnly=false: using true returns only identifiers of the results<br>withdrawn=false: with true includes withdrawn items too |
| Sorting/ordering modifiers: | id, name, lastmodified, submitter: information on item returned                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Response formats:           | json, xml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Status codes                | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Response details            | Contains item info including id, name, handle, metadata, bitstreams according to the defined requirements. Additionally when idOnly=true only identifiers of results are returned. If the date is in incompatible format, error 400 is returned.                                                                                                                                                                                                                                                                                  |

## Item status and retrieval

| Name and description      | Value and notes                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base URI:                 | /items/{id}                                                                                                                                                                                                                  |
| Description:              | Returns detailed information about an item                                                                                                                                                                                   |
| HTTP method:              | GET                                                                                                                                                                                                                          |
| Required parameters:      | {id}: item id                                                                                                                                                                                                                |
| Sorting fields supported: | id, name, lastmodified, submitter: sorting by id, name, last modified date or submitter of item                                                                                                                              |
| Response formats:         | json, xml                                                                                                                                                                                                                    |
| Status codes              | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                                                                                                                                                 |
| Response details          | Contains an information about an item including resource name, metadata, owning collection, collections stored in, communities stored in, bundle ids, last modified date, archival/withdrawn status and submitter of an item |

| Name and description | Value and notes                                           |
|----------------------|-----------------------------------------------------------|
| Base URI:            | /items/{id}/permissions                                   |
| Description:         | Returns status of user permissions on this item           |
| HTTP method:         | GET                                                       |
| Required parameters: | {id}: item id                                             |
| Response formats:    | json, xml                                                 |
| Status codes         | 200: OK<br>400: bad request<br>500: internal server error |
| Response details     | Boolean variable, stating can user edit the listed item   |

| Name and description      | Value and notes                                             |
|---------------------------|-------------------------------------------------------------|
| Base URI:                 | /items/id/communities?idOnly=false&immediateOnly=true       |
| Description:              | Returns communities this item is part of                    |
| HTTP method:              | GET                                                         |
| Required parameters:      |                                                             |
| Sorting fields supported: | id, name, countitems: community properties used for sorting |
| Response formats:         | json, xml                                                   |
| Status codes              | 200: OK<br>400: bad request<br>500: internal server error   |
| Response details          | Communities listed                                          |

| Name and description      | Value and notes                                           |
|---------------------------|-----------------------------------------------------------|
| Base URI:                 | /items/id/collections?idOnly=false                        |
| Description:              | Returns collections this item is part of                  |
| HTTP method:              | GET                                                       |
| Required parameters:      |                                                           |
| Sorting fields supported: | id, name, countitems: collection parameters               |
| Response formats:         | json, xml                                                 |
| Status codes              | 200: OK<br>400: bad request<br>500: internal server error |
| Response details          | Collections listed                                        |

| Name and description | Value and notes                                          |
|----------------------|----------------------------------------------------------|
| Base URI:            | /bitstream/{id}                                          |
| Description:         | Returns bitstream object - usually the library item file |
| HTTP method:         | GET                                                      |
| Required parameters: | {id}: bitstream item id                                  |
| Response formats:    | json, xml (not yet complete)                             |

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| Status codes     | 200: OK<br>404: Not found<br>400: bad request<br>401: Unauthorized<br>403: Forbidden<br>500: internal server error                                                                                                                                                                                                             |
| Response details | Includes all information about referenced bitstream, including file name, licence, corresponding item etc. It is possible only to get information for particular bitstreams. When the request is made without parameters/references, the blank list is presented (there is no list of all bitstreams in the system available). |

| Name and description | Value and notes                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------|
| Base URI:            | /bitstream/{id}/receive                                                                          |
| Description:         | Returns checksum of bitstream                                                                    |
| HTTP method:         | GET                                                                                              |
| Required parameters: | {id}: bitstreamitem id                                                                           |
| Response formats:    | binary                                                                                           |
| Status codes         | 200: OK<br>400: bad request<br>401: Unauthorized<br>403: Forbidden<br>500: internal server error |
| Response details     | Receive full bitstream                                                                           |

| Name and description      | Value and notes                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------|
| Base URI:                 | /users?query=query&idOnly=false                                                                     |
| Description:              | Returns list containing id, name and email of persons (optionally matching a query)                 |
| HTTP method:              | GET                                                                                                 |
| Optional parameters:      |                                                                                                     |
| Sorting fields supported: | id, name, lastname, fullname, language: sorting properties of user(submitter) supported             |
| Response formats:         | json, xml                                                                                           |
| Status codes              | 200: OK<br>204: no content<br>400: bad request<br>500: internal server error                        |
| Response details          | List with information on particular user. Additionally only identifiers are sent if idOnly is true. |

| Name and description | Value and notes                                                                                    |
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| Base URI:            | /stats                                                                                             |
| Description:         | Returns general statistics                                                                         |
| HTTP method:         | GET                                                                                                |
| Response formats:    | json, xml                                                                                          |
| Status codes         | 200: OK<br>400: bad request (if there is no stats package available)<br>500: internal server error |
| Response details     | Returns cumulative list of statistics data for the system currently available                      |