Interoperability SIWG
Business meeting and open discussion

15th September, 2014

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Joint IGeLU/ELUNA Special Interest Working Group on Interoperability

Agenda

- About Interoperability and the SIWG

- Key goals of the SIWG

- Focus points going forward

- Interoperability survey results

- jQuery.PRIMO

- Other SIWG activities, key links and group membership

- What can we do for you? Open discussion

Why interoperability?

- Interoperability needs to be a design principle

- Key to the success of customers adopting Ex Libris products over a long period of time

- Integrations and API play a key role in overall adoption and satisfaction of products and staff

- Examples of common integrations may include:
  - Agresso, SAP, Shibboleth, SIP2, SMS, etc.

Interoperability SIWG

- The Special Interest Working Group was formally formed at IGeLU 2013

- In November 2013, the group expanded to become a joint IGeLU/ELUNA SIWG to emphasise on the importance of Interoperability

- Details of the working body can be seen at:
    - http://igelu.org/special-interests/interoperability/working-body

- We will talk more about current and future membership at the end of this presentation

Key goals

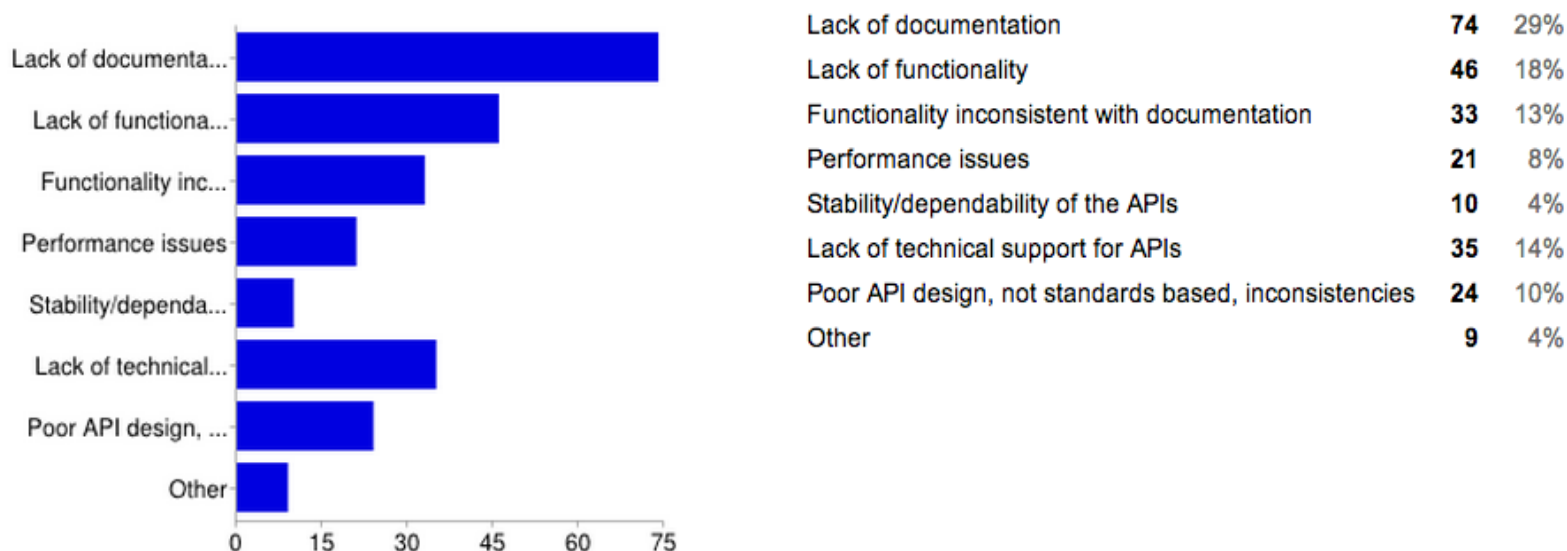- Full list of key goals available at:
  - http://igelu.org/special-interests/interoperability/key-goals

- For the first two years, the group will focus on:
  - Encourage and support Ex Libris to consume their own APIs
  - Establish "open platform using open standards" as an integral design principle
  - Education of broader community and enhancement of technical documentation
  - Enable more open and collaborative front-end development.

Focus points going forward

- The group will also focus on:
  - Engagement with the user community to highlight the importance of this group's role and interoperability issues that currently exist in the products
  - Periodic NERS enhancement and voting cycles for interoperability needs (more of a question, is this needed?)
  - Clarification of the roadmap of API development for various products

Interoperability survey

What barriers do you face when using Ex Libris' products' APIs?

Lack of documentation	**74**	29%
Lack of functionality	**46**	18%
Functionality inconsistent with documentation	**33**	13%
Performance issues	**21**	8%
Stability/dependability of the APIs	**10**	4%
Lack of technical support for APIs	**35**	14%
Poor API design, not standards based, inconsistencies	**24**	10%
Other	**9**	4%

Interoperability survey

- Single biggest contribution from the group that will help the users:
  - Excellent Documentation – 51 votes
  - Real world examples of usage (case studies are recommended) – 22 votes
  - Completeness of APIs – 11 votes
  - Using standards for APIs (JSON, REST, consistent status codes, etc) – 10 votes
  - Technical support – 8 votes
  - Better API design – 7 votes
  - How to's – 7 votes
  - Data and functionality consistency between APIs and core product UI (release of core product functionality as APIs by default) – 6 votes
  - Performance – 6 votes

jQuery.PRIMO

- jQuery.PRIMO is a client side convenience library for Primo v4.6 and above, available as an open source product under the MIT license.
  - https://github.com/mehmetc/jQuery.PRIMO

- It encapsulates existing methods but tries to order them in a more developer friendly manner.

- It exposes data through JSP pages, with fallback where possible, to make debugging or extending the view through JavaScript easier e.g. view institution/IP data, record ids in dedup records ...

jQuery.PRIMO

- Examples

  - Get the material type of the first record

    jQuery.PRIMO.records[0].getData().display.type

  - Get the PNX data as text of the 6th record

    jQuery.PRIMO.records[5].getPNX('text');

  - Highlight all journals on screen

```
jQuery.PRIMO.records.each(function(){
        if (this.getData().display.type === 'journal') {
            this.css('background-color', 'yellow')
        }
});
```

Other SIWG activities

- Full survey results http://igelu.org/special-interests/interoperability/survey-results

- Early previews/testing of Ex Libris Developer Network

- PWG/SIWG top 3 interoperability issues
  - Awaiting responses and will take the results to Ex Libris

- Interoperability mailing list – open to all
  - UB-INTEROPERABILITY-DISCUSS-L

- To subscribe, please visit: https://lists.fu-berlin.de/listinfo/UB-INTEROPERABILITY-DISCUSS-L

Key links

- How Ex Libris develop their APIs
- https://developers.exlibrisgroup.com/blog/How-we-re-building-APIs-at-Ex-Libris

- Ex Libris API Roadmap
- https://developers.exlibrisgroup.com/blog/Ex-Libris-API-Road-Map

- Alma SOAP to REST API gap list
- https://developers.exlibrisgroup.com/alma/apis#faq

- Discussion forums
- https://developers.exlibrisgroup.com/discussions

Membership 2013-2014

- Working body
    - Masud Khokhar, *Lancaster University, UK* (coordinator)
    - Rich Wenger, *MIT, USA* (deputy coordinator)

- IGeLU membership
    - Rob Smith, *British Library, UK*
    - Luke O'Sullivan, *Swansea University, UK**
    - Mehmet Celik, *KU Leuven, Belgium*

- ELUNA membership
    - Curtis Thacker, *Brigham Young University, USA*
    - David Walker, *California State University, USA*
    - Steven Bassett, *Northeastern University, USA**

Membership 2014-2015

- Working body
  - Masud Khokhar, *Lancaster University, UK* (coordinator)
  - Rich Wenger, *MIT, USA* (deputy coordinator)

- IGeLU membership
  - Rob Smith, *British Library, UK*
  - Mehmet Celik*, KU Leuven, Belgium*
  - *Vacancy*

- ELUNA membership
  - Curtis Thacker, *Brigham Young University, USA*
  - David Walker, *California State University, USA*
  - *Vacancy*

Nominations for 2014-2015

- **Greg Gosselin** – Director of Library Systems at City University of New York, USA (IGeLU/ELUNA)
- **Erik Biever** – Data Systems and Services, University of Minnesota, USA (IGeLU/ELUNA)
- **Sue Harmer** – Manager Library Applications, University of New South Wales, Australia (IGeLU)
- **Michael North** – Senior Systems Analyst – Programmer, Northwestern University, USA (IGeLU/ELUNA)

Voting

- Simple rules

- Show of hands, whoever gets the most votes is elected

- Vote now!

Discussion

SIWG to act as a conduit through which the future API needs of Ex Libris' customers can flow, facilitating speedy delivery of high quality, fit-for-purpose & well documented APIs.