DSpace Entities Working Group (2017-18)

Working group is retired. Next phase of this work (creating Configurable Entities for DSpace 7) has moved over to the DSpace 7 Entities Working Group (2018-19).

Working Group tasks are completed

The tasks of this working group have completed with the final statement from the DSpace Steering Group regarding the DSpace 7 data model (including Entities). As noted in that statement, the next phase of work will be to coordinate the creation of configurable entities in the DSpace data model as a community-led/organized process. This development effort will be spun off into a new, follow-up working group, which will be in close communication with the existing DSpace 7 Working Group (2016-2023).

Additional deliverables created by this Entities Working Group include:

- DSpace Entities Overview / Discussion of options

A brief summary of the Configurable Entities concept (from this Working Group) can also be found in the DSpace 7 Update Slides (https://tinyurl.com/or2018-dspace7) presented at OR2018.

Scope

"The rising strategic importance of Current Research Information Systems (CRISs) and Institutional Repositories (IRs) for higher education and research institutions relates to the need to foster research and innovation and to provide a faster and broader technology transfer to industry and society." (http://www.eunis.org/wp-content/uploads/2016/03/cris-report-ED.pdf)

"... the researcher discovers that there is a large benefit (automated CV, bibliography, project participation list, institutional web page generation, part-completion of research proposals etc.) for a relatively small input effort since most input is automated or only required once and used many times". (http://www.eurocris.org/why-does-one-need-cris)

In order to integrate IRs with CRIS, we need more accurate information which would result in to provide metrics, reports, develop integrations and services. The only way that allows to relate different objects in the information space is using identifiers, as recognized by the scientific community. According to the conclusions of the COAR Working Group of Next Generation Repositories and the new OpenAIRE Guidelines (version 4), the use of identifiers, with common guidelines, are mandatory on the new generation of repositories.

Each identified entity (Author, Project, Publication, ...) is managed and identifiable by an unique identifier. We consider Entity concept as an extension to DSpaceObject.

After some meetings with Tim Donohue and Andrea Bollini, and considering that this concept already exists within DSpace-CRIS, it was possible to identify two scenarios:

- **Top / Down scenario** - Using DSpace-CRIS as a starting point, and add/remove and/or improve existing functionalities;
- **Bottom / Up scenario** - Prepare DSpace core to be extendable and integrate/prepare DSpace to support these new functionalities (like plugins)

It is expected that the work of this group will be completed within a ten-to-twelve week timespan.

Objectives

- Create awareness on the need to manage entities and their relations in IR software
- Propose a solution to enable DSpace to support, manage and relate entities;
- Specify the global architecture and requirements needed to implement the solution in DSpace (possibly v7);
- Propose a roadmap to implement the proposed solution.

In order to achieve these objectives, the working group should carefully consider the following:

- Impact on DSpace roadmap (especially v7);
- Solution's flexibility;
- Community involvement.

Deliverables

- DSpace Entities Overview / Discussion of options
- Requirements list for DSpace;

- Technical model of the solution;
- Webpage on DSpace wiki describing of this feature;
- Implementation roadmap proposal.

Members

4Science

- Andrea Bollini (4Science)
- Claudio Cortese (4Science)

Atmire

- Lieven Droogmans

The Library Code GmbH

- Pascal-Nicolas Becker

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- Tim Donohue

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- Fernando Ribeiro (FCT|FCCN)
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- Nelson Torres(University of Minho)
- Paulo Graça (FCT|FCCN)
- Paulo Lopes (FCT|FCCN)

Next Meeting

- **TBS**

Meeting Agenda

- TBA

Meeting Notes

- 2017-10-13 DSpace Entities WG Meeting Notes
- 2017-10-27 DSpace Entities WG Meeting Notes
- 2017-12-05 DSpace Entities WG Meeting Notes
- 2018-01-19 DSpace Entities WG Meeting Notes
- 2018-02-23 DSpace Entities WG Meeting Notes
- 2018-03-23 DSpace Entities WG Meeting Notes
- 2018-04-03 DSpace Entities WG Meeting Notes