

DSpace 7.0 : Coming to a DSpace near you

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Abstract

It's been a long time coming and we're glad to say 7.0 is finally (almost) here! This talk helps your organization prepare for the next evolution of DSpace platform: DSpace 7.0. What does it look like? How would I upgrade (or install it)? How easy is it to brand/theme? All these questions and more will be answered.

While retaining its ease-of-use, out-of-the-box goals, DSpace 7 introduces many major new features to existing users and the repository community in general. This talk will feature an overview of the major new features, including a brief demonstration of each.

Major new features include:

- A brand new, client-side, responsive user interface (built on Angular), featuring a new drag-and-drop submission process, new public search/browse and new administrative interface. Theming has also become easier as it only requires knowledge of CSS (Bootstrap) and HTML.
- A brand new, full-featured, self-describing REST API, which allows for the creation of advanced third-party integrations / tools against your DSpace data.
- A powerful new Configurable Entities object model (allowing for new types of Items with relationships between them). This allows for tighter integration with external identifier systems (e.g. ORCID), current research information systems (CRIS), journal publishing systems, etc.
- Alignment with COAR Next Generation Repositories recommendations (ResourceSync and Signposting) and other best practices (OpenAIREv4 support)

Keywords

DSpace; Angular; REST; Integrations;

Audience

Anyone. This presentation provides an overview of DSpace 7 new features, install/upgrade process and feature demonstrations.

Proposal

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This talk will be of interest to anyone currently using DSpace (any version) at their local institutions or anyone who is interested in potentially migrating to a DSpace based system. It is an enhanced version of similar "Introducing DSpace 7" talks at past conferences (including Open Repositories 2019). It is also updated with a reflection of how DSpace 7.0 came about and what to expect in later 7.x releases.

Topics include:

- Brief review
 - How did we get here again? The goals we set out to achieve with a new UI, REST API, etc.
 - Why has it taken so long? The challenges behind overhauling a system with volunteer-based resourcing.
- What does 7.0 look like? What is the final release date? (if not already available by OR2020)
 - How to install/upgrade from any previous version
 - Overview and demo of new features (including new deposit user interface, new public search/browse user interfaces, new administrative user interface, configurable entities, REST API, etc.)
 - How to configure DSpace 7 to fit your local needs (including a brief overview of UI branding)
- What's coming next?
 - Features/updates coming in 7.1, 7.2 and beyond.
 - How you can help continue to build a better repository for us all.

References

- DSpace 7 Status/Overview wiki page:
<https://wiki.lyrasis.org/display/DSPACE/DSpace+Release+7.0+Status>