On the Road to DSpace 7: 2018 Edition

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DuraSpace is not for profit organization that provides leadership and innovation for open technologies.

We work to ensure that current and future generations have durable and persistent access to our collective digital heritage.

Our community is part of an interconnected, worldwide, scholarly ecosystem.

DuraSpace open source projects are part of the scholarly ecosystem.
... its users

*Based on the DuraSpace Registry
How did we get to DSpace 7?

We’ve got a 2 UI problem!

2014
Product Survey & Vision Doc

2015
We need a single, new UI
Strategic Plan & Technical Roadmap

2016
Angular 2!
UI Prototype Challenge & Angular 2 proof of concept

2017
DSpace Entities Working Group & Ongoing v7 development

2018
What’s coming in DSpace 7
Early demo of Browse UI

https://wiki.duraspace.org/display/DSPACE/Strategic+Planning
Version 7.0 goals

★ Single, Angular UI (new)
★ Fully-featured REST API (new)
★ Configurable Entities (new)
★ Align w/ NGR recommendations
★ Existing, core Java backend (DB, Solr, Assetstore)

Est. Timeline: early 2019
Current Status

- Enhanced backend (object store, caching, speed improvements)
- Browse (Homepage, Community, Collection, Item pages)
- Search
- Authentication and Authorization
- Submission
- Approval Workflows
- Content Management (Create/Edit/Delete tasks)
- Administration
- Statistics
- Configurable Entities support

Public collaboration between Hasselt U and 4Science

Development Planning Spreadsheet
Next Gen Repo Recommendations

Coming to DSpace 7

- **ResourceSync** (4Science & Cottage Labs)
  - Backports to 6.x and 5.x
- **Signposting**

http://ngr.coar-repositories.org/
Introducing Configurable Entities

DSpace Entities WG (late 2017)

- Allow DSpace to support new object types & relationships
- Alignment with NGR (Identifiers)
- Alignment with OpenAIRE v4
- Inspired by DSpace-CRIS
Configurable Entities - Timeline

(Spring/Summer) Early prototype of Entities model

(Summer/Fall) Open, community DSpace Entities project

- Adapt / extend / enhance for 7.0
- Roadmap for further entities development
- Plan any initial, out-of-box entities & UI features

Thanks to the DSpace Entities Working Group & DSpace Steering Group
Try it out!

DSpace 7 Angular UI demo
https://dspace7-demo.atmire.com/
(uses the REST API demo as backend)

Download & install:
https://github.com/DSpace/dspace-angular/
Live Demo

Video of the live demo available at https://youtu.be/yKnos2jTdSQ
Next Steps / Roadmap

To Do List

- Content Management (Create/Edit/Delete tasks)
- Administration
- Statistics
- Configurable Entities support

Goals

- ★ 7.0 Beta by end of 2018. Begin early community testing.
Join a Development Sprint!

DSpace 7 will arrive more quickly with more help!

- 1st DSpace 7 Community Sprint: May 7 - 18
  - 14 pull requests, 8 contributors (2 first time)
- 2nd DSpace 7 Community Sprint: July 9 - 20

No availability requirements! Choose your own tickets/tasks!
No DSpace 7 experience necessary! (Coaches available)

Sign-up now!
https://tinyurl.com/dspace7sprints
How can I help, non-technically?

Join **DSpace 7 Outreach Group**!

- Communication / outreach around DSpace 7
- Gather UI/UX design inspiration

Join **DSpace Community Advisory Team (DCAT)**

- Repository Mgr interest group
- Advises on community needs
Questions?

Slides: https://tinyurl.com/or2018-dspace7

Angular UI Workshop: https://tinyurl.com/or2018-dspace-ui

REST API Workshop: https://tinyurl.com/or2018-dspace-rest