



On the Road to DSpace 7: 2018 Edition

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About DuraSpace

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**

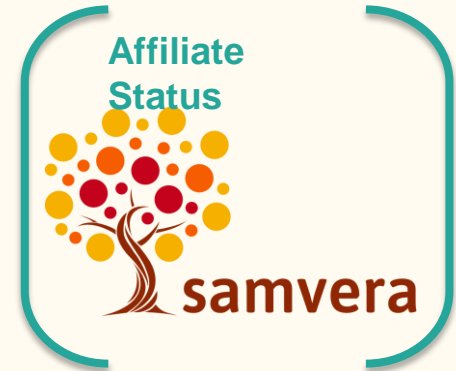


...its open source projects

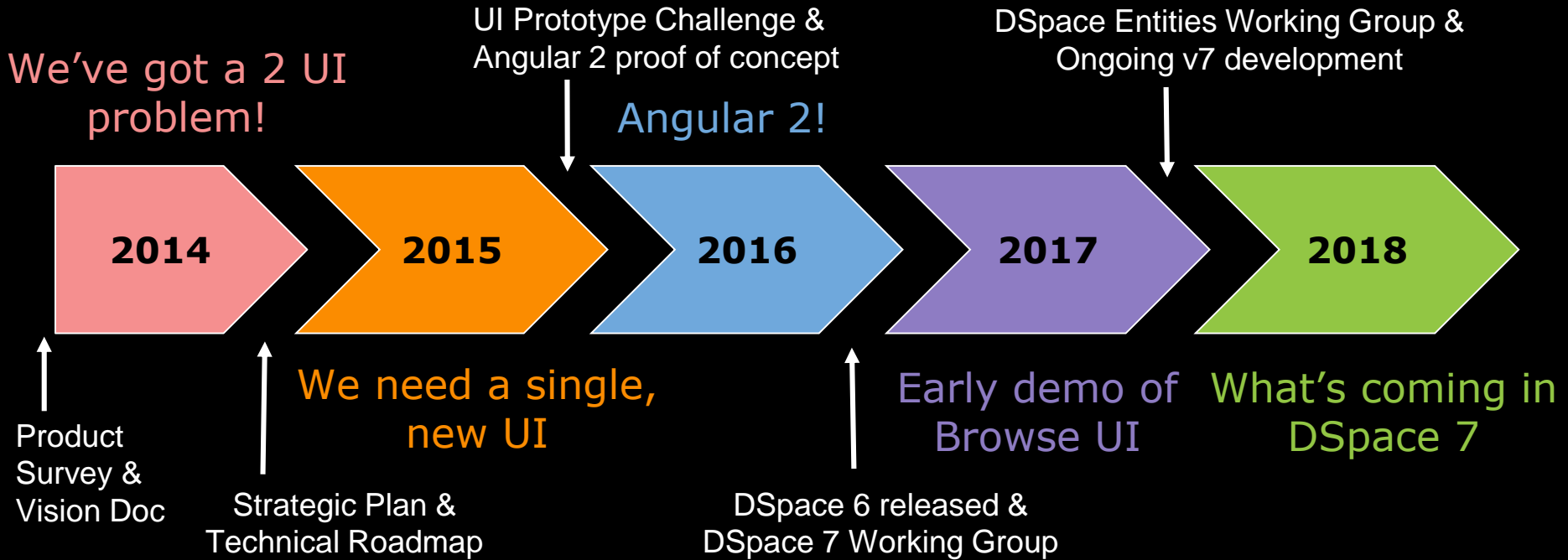
DuraSpace open source projects are part of the scholarly ecosystem



Fedora™



How did we get to DSpace 7?



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)

DSPACE

Est. Timeline: early 2019

DSPACE

DURASPACE™

Current Status

- ✓ Enhanced backend (object store, caching, speed improvements)
 - ✓ Browse (Homepage, Community, Collection, Item pages)
 - ✓ Search
 - ✓ Authentication and Authorization
 - ✓ Submission
 - ✓ Approval Workflows
- } [Public collaboration between Hasselt U and 4Science](#)
- Content Management (Create/Edit/Delete tasks)
 - Administration
 - Statistics
 - Configurable Entities support

Next Gen Repo Recommendations

Coming to DSpace 7

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



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.
- ★ 7.0 First Release Candidate in early 2019. User training at OR2019.

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)

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?



DSPACE

Slides:

<https://tinyurl.com/or2018-dspace7>

Angular UI Workshop:

<https://tinyurl.com/or2018-dspace-ui>

REST API Workshop:

<https://tinyurl.com/or2018-dspace-rest>