DSpace 1.6

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Release Coordinator
Where are we now?

- 1.0 - 8th November 2002
- 1.1 - 8th May 2003
- 1.2 - 13th August 2004
- 1.3 - 3rd August 2005
- 1.4 - 26th July 2006
- 1.5 - 25th March 2008
  - 1.5.1 - 10th September 2008
  - 1.5.2 - 15th April 2009
The 1.6 approach

- A slightly different approach than previous versions
- Community survey:
  - What three features should be in 1.6?
The 1.6 approach

- What three features should be in 1.6?
  - Statistics
  - Embargo
  - Batch metadata editing

- Feature leads: Mark Wood / Richard Rodgers / Stuart Lewis
Statistics

- Developed by @mire
- New framework to store ‘events’
  - E.g. Item Read
- Events stored in solr
- Can build tools to surface the data
  - Basic out-the-box implementation
Emargo framework
- Created by Richard Rodgers (MIT) and Larry Stone (Harvard)

- Allows for custom implementations

- Out-the-box implementation works on a single date, and only embargoes bitstreams
Batch metadata editing

- Batch editing via CSV files
  - Made in New Zealand
    - Stuart / Leonie / Vanessa @ University of Auckland (core & JSPUI)
    - Kim Shepherd @ LCoNZ (XMLUI)
  - Export metadata for items / collections / communities / site
  - Export metadata for search or browse results

- Open in OpenOffice Calc or Excel
- Harness the power of these tools
Batch metadata editing

- Use cases
  - Tidying up of metadata (e.g. spell check)
  - Restructuring of metadata (move elements from one field to another)
  - Global find and replace
Batch metadata editing

- It also has a couple of extra tricks up its sleeves:
  - Add new items (metadata only) without having to create SIPs that conform to the DSpace batch import format
  - Bulk move items between collections
  - Bulk ‘map’ items into new collections
We now have the three big features ready

- A few small issues:
  - Batch metadata editing in XMLUI
  - Statistics in JSPUI

- So we’re really happy with that new feature set, and hope that you are
However...

I was going to finish here but we have a great DSpace community who gave us more!
One feature we all use, and essential to a successful open source product

<1.4 HTML ‘adequate’

1.5 Docbook / PDF / HTML ‘improving’

1.6+ We have a ‘documentation gardener’
  - Weeds and feeds
  - Jeffrey Trimble (YSU)
Ever wanted to mirror two collections in different repositories?

- There are now ‘regular collections’…
- …and collections from an external OAI-PMH source
  - Enter the OAI-PMH base URL
  - Option for no files
  - Option for references to files
  - Option for files

Alexey Maslov – Texas A&M
Authority control

- Allows input fields to be tied to authority control lists
  - Out the box includes examples:
    - LoC name authority (SRU)
    - SHERPA Romeo journal names
    - SHERPA Romeo publishers
  - AJAX ‘suggest’ auto-complete, search -> pick lists
  - Extensible via plugins (good examples and templates provided)
  - Larry Stone – Harvard + Andrea Bollini - CILEA
First-fruits of “DSpace 2.0” technology funded by JISC

A service locator framework

Developed by

- Mark Diggory (@mire)
- Graham Triggs (BMC / OpenRepository)
- Aaron Zeckoski (CARET)
- Ben Bosman (@mire)
- Bradley McLean (Durasapce)
Script launcher

- Command line scripts
  - Essential for many tasks, but…
  - We only supply UNIX scripts
  - Not a complete set of scripts

- Configurable script launcher
- `[dspace]/bin/filter-media` `[dspace]/bin/dspace filter-media`
- Stuart Lewis + Larry Stone + Mark Diggory
OpenSearch

- ATOM feed of search results
- XML search output
- Richard Rodgers (MIT)
Security improvements

- No web application is 100% safe
- Like all web-based platforms we have to ensure DSpace protects against common security issues
  - New attack vectors all the time
- Security improvement patches from NYU (Kate Pechekhonova and Kuai Hinojosa)
Still not satisfied?
Improvements / Bug fixes / Smaller features

- XMLUI file descriptions can be shown, and removed
- Primary bitstream removal problems (not removed at bundle)
- Handle version 6.2
- Negative matching in IP authentication
- Internal server emails now include details of the logged-in user
- Lots of SWORD improvements (more flexible, better performance)
Improvements / Bug fixes / Smaller features

- If-Modified-Since / Last-Modified headers in XMLUI
- OAI DC Crosswalk more configurable
- Option to disable mail server / use gmail as a mail server
- Set Creative Commons legal jurisdiction
- Options to hide certain metadata fields in XML/JSPUI/OAI
Weekly development meetings
  - NOT committer meetings
  - NOT developer meetings (although some technical talk)

More and better use of JIRA

First part of meetings is to review newly submitted issues
  - Mammoth exercise for first few meetings
In total (so far!)…

91 updates
My mother always said to me…

- “Remember to say thank you”

- Open source community not always good at this

- A lot of work time, a lot of volunteer time, a lot of commercial time
Thank you!
Thank you!

Alexey Maslov || Kim Shepherd || Andreas Schwander || Ricardo Saraiva
Stuart Lewis || Larry Stone || Mark Diggory || Andrea Bollini
Tim Donohue || Ben Bosman || OhioLINK || Yin Yin Latt
Fabio Kepler || Steve Williams || Van Ly || Graham Triggs
Mark Wood || Ekaterina Pechekhonova || Richard Rodgers || Jeffrey Trimble
Thank you!
Thank you!

- Duraspace / The DSpace Foundation
- DSpace global outreach group
- JISC
- The WHOLE community
The BIG question
What will it be released?

- We have some way to go yet
  - Feature freeze

- Test DSpace 1.6
  - Please join in
    - We can provide LiveCDs and test instances
    - Test upgrades / scalability
  - Identify issues, fix bugs, re-test
What will it be released?

- When it is ready
- Hopefully by Christmas.
- The more help we get, the sooner it will be and the better it will be
Getting involved

- Testing
- Writing (documentation, training materials)
- Developing code
- Fixing things
- Providing translations
Ways to interact

- Email list
- Weekly meetings
- New ambassador program
- IRC room
Recent changes

- This year we’ve introduced:
  - Weekly meetings
  - Community survey
  - JIRA (e.g. voting feature)
**Keep moving forward**

- **We*** need to:
  - Encourage more community involvement
  - Examine our processes and roles
    - Is the committers group still an effective body?
    - Do we need a release management / project management board?
    - Do we need new roles (e.g. project management)
  - How do we*** encourage ownership and new contribution?
  - We*** want your ideas (what works / doesn’t work / things to change)

* We = the WHOLE community
To conclude

- I hope you’re excited about 1.6
- I hope you will contribute to testing
- I hope you feel welcome to contribute
- Please think and join in discussions about how to keep the community moving forward, and what your role is in that
- Thank YOU!