

# DSpace Release 4.0 Status

## Version 4.0

DSpace 4.0 was officially released to the public on December 16, 2013.

DSpace 4.0 can be downloaded immediately at either of the following locations:

- SourceForge (Zip): <https://sourceforge.net/projects/dspace/files/>
- GitHub: <https://github.com/DSpace/DSpace> (tag 'dspace-4.0')

See the [DSpace 4.x Release Notes](#) for more information.

Where are the Release Notes?

[DSpace 4.x Release Notes](#) have been incorporated into the DSpace 4.x documentation wiki. The content of that page, and this one, is similar, but it's not a perfect duplicate. This page is for coordinating and planning DSpace Release 4.0, and for communicating this status information to the community. The [DSpace 4.x Release Notes](#) page is a historical document, with much of the same material.

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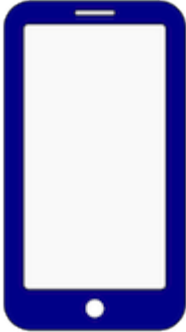
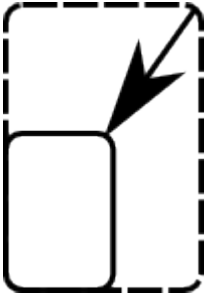
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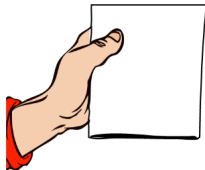
## New features in DSpace 4.0

DSpace 4.0 ships with a number of new features. Certain features are automatically enabled by default while others require deliberate activation. The following non-exhaustive list contains the major new features in 4.0 that are enabled by default:

|                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <br> | <p><b>Discovery: Search &amp; Browse is now enabled by default in both XMLUI and JSPUI.</b></p> <p>Note: The Lucene/DB-based search &amp; browse backend is still supported, but is deprecated and might be removed in a future release. Any new features should use the Discovery API instead of tying directly to Lucene, Solr or Elastic Search.</p> <ul style="list-style-type: none"><li>• Discovery general enhancements<ul style="list-style-type: none"><li>◦ Solr libraries were upgraded to version 4.4 (JSPUI, XMLUI and OAI modules) - by lap</li><li>◦ <a href="#">Solr search accent insensitive</a> - by ab</li><li>◦ Solr-based item counter - by im, ab</li></ul></li><li>• Discovery UI enhancements (both JSPUI and XMLUI)<ul style="list-style-type: none"><li>◦ Query spell checking ("did you mean") - XMLUI by kv, JSPUI by lap, ab</li></ul></li></ul> <p>Contributors:<br/>lap - Luigi Andrea Pascarelli with the support of <a href="#">CINECA</a><br/>ab - Andrea Bollini with the support of <a href="#">CINECA</a><br/>kv - Kevin Van de Velde with the support of <a href="#">@mire</a><br/>im - Ivan Masár</p> |
| <br> | <p>A new <a href="#">Bootstrap</a>-based default look and feel for JSPUI (see <a href="#">DS-1675</a> for screenshots)</p> <p>Kindly contributed by Andrea Bollini &amp; Luigi Andrea Pascarelli with the support of <a href="#">CINECA</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>JSPUI new features</p> <ul style="list-style-type: none"> <li>• <a href="#">Bibliographic import and lookup in Submission</a>, by <a href="#">CINECA</a> and <a href="#">Greek National Documentation Centre/EKT</a></li> <li>• <a href="#">AJAX progress bar for file upload the submission upload step (DS-1639)</a>, by <a href="#">Andrea Bollini</a> with the support of <a href="#">CINECA</a></li> <li>• <a href="#">Sherpa/Romeo integration in the submission upload step (DS-1633)</a>, by <a href="#">Andrea Bollini</a> with the support of <a href="#">CINECA</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    | <p>JSPUI porting of features previously available only on XMLUI</p> <ul style="list-style-type: none"> <li>• <a href="#">Advanced Embargo feature</a></li> <li>• <a href="#">Item level versioning feature</a></li> <li>• <a href="#">Curation tasks administrative UI</a></li> <li>• <a href="#">"Login as" feature</a></li> </ul> <p>Kindly contributed by <a href="#">Keiji Suzuki</a> &amp; <a href="#">Luigi Andrea Pascarelli</a> with the support of <a href="#">CINECA</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | <p><a href="#">UI support for metadata batch import from various bibliographic formats</a></p> <ul style="list-style-type: none"> <li>• <a href="#">Update to Biblio-Transformation-Engine 0.9.2.2</a></li> <li>• <a href="#">Added data loader for OAI-PMH</a></li> <li>• <a href="#">New configuration format to support simultaneous input mappings from the various supported metadata formats</a></li> <li>• <a href="#">New interface for administrators in JSPUI (for file data loaders like bibtex, csv, tsv, endnote and ris)</a></li> </ul> <p>Kindly contributed by the <a href="#">Greek National Documentation Centre/EKT</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p><a href="#">blocked URL</a></p>                                                  | <p><a href="#">SWORDv2 module update</a>, which provides the following improvements:</p> <ul style="list-style-type: none"> <li>• some general bug fixes including: bitstream url construction, config options, context management and connection pool, ORIGINAL bundle problem (<a href="#">DS-1149</a>)</li> <li>• proper METSDSpaceSIP support in both deposit and update</li> <li>• proper authentication for accessing actionable bitstreams (i.e. those that can be replaced via sword), tightened security options around mediated actions, and add extra security to the access of descriptive documents (deposit receipts, statements)</li> <li>• more configuration options: bundles to expose in Statements, DepositMO extensions (for individual files), and many more</li> <li>• some general refactoring</li> <li>• addition of 404 responses where necessary</li> <li>• better support for add/replace of metadata, and how metadata updates are handled on archived items</li> <li>• update to latest version of Java Server library</li> <li>• new bitstream formats in the bitstream registry</li> </ul> <p>Kindly contributed by <a href="#">Richard Jones</a> with the support of <a href="#">Cottage Labs</a></p> |
| <p><a href="#">blocked URL</a></p>                                                  | <p><a href="#">Improved command line features</a></p> <ul style="list-style-type: none"> <li>• <a href="#">Run commands in batch</a></li> <li>• <a href="#">Display DSpace instance information including version and enabled modules (DS-1456)</a></li> <li>• <a href="#">Create users from command line (DS-1355)</a></li> </ul> <p>Kindly contributed by <a href="#">Mark H. Wood</a> with the support of <a href="#">IUPUI University Library</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | <p><a href="#">Support simple embargo in XMLUI item display and in AID import/export</a></p> <p>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</p> <p>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</p> <p>Kindly contributed by <a href="#">Nan Masar</a> and <a href="#">Perry Brady</a> with the support of <a href="#">Georgetown University</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|  | <p><a href="#">Language switch for xmlui and some basic idp stuff</a></p> <p>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</p> <p>Kindly contributed by <a href="#">Ciandra Surgen</a> with the support of <a href="#">UoD Durham University</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <p><a href="#">Filtering of feeds based on statistics page request by the spiders to the DSpace server on the spiders User-Agent string.</a></p> <p>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</p> <p>Kindly contributed by <a href="#">Mark H. Wood</a> with the support of <a href="#">IUPUI University Library</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                             | <p>Several improvements to help <a href="#">Google Scholar</a> better index your content (requested by Google Scholar team). See also <a href="#">Search Engine Optimization recommendations</a> for ways to further enhance Google Scholar (and other search engines) findability.</p> <div>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</div> <div>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</div> <div>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</div> <p>Kindly contributed by several members of the DSpace committer team (see individual tickets for more details).</p> |
| <p>The following list contains all features that <b>are</b> included in the DSpace 4.0 release, but need to be enabled manually. Review the documentation for these features carefully, especially if you are upgrading from an older version of DSpace.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                             | <p><a href="#">DOI Support</a></p> <ul style="list-style-type: none"> <li>Support for minting new DOIs</li> <li>Support for the DataCite and EZID DOI providers</li> </ul> <div>link configuration.</div> <div>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</div> <p>Kindly contributed by Pascal Nicolas Becker &amp; Mark Wood with the support of <a href="#">TU Berlin</a> and <a href="#">IUPUI University Library</a></p>                                                                                                                                                                                                                                                        |
| <p>blocked URL</p>                                                                                                                                                                                                                                           | <div>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</div> <p>Kindly contributed by Pascal Nicolas Becker, Andrea Bollini &amp; Mark Wood with the support of <a href="#">TU Berlin</a> and <a href="#">CINECA</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                            | <p><a href="#">Mobile Theme</a> for XMLUI matures from beta (<a href="#">DS-1679</a>)</p> <ul style="list-style-type: none"> <li>New feature:</li> <li><a href="#">Documentation</a></li> </ul> <p>Kindly contributed by Elias Tzoc and James Russell with the support of <a href="#">Miami University</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                           | <p>Improvements to <a href="#">LDAP Authentication</a></p> <ul style="list-style-type: none"> <li>New option to <a href="#">map LDAP attribute-based group membership to internal DSpace groups</a></li> </ul> <p>Kindly contributed by Ivan Masár and Sam Ottenhoff of <a href="#">Longsight</a> for <a href="#">Allegheny College</a> (<a href="#">DS-1078</a>).</p>                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                           | <div>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</div> <p>Kindly contributed by Jason Sherman with the support of <a href="#">University of Science and Arts of Oklahoma</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                           | <div>Unable to locate Jira server for this macro. It may be due to Application Link configuration.</div> <p>Kindly contributed by Richard Rodgers with the support of <a href="#">Massachusetts Institute of Technology</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                                     | <p><a href="#">Request a Copy</a> for JSPUI and XMLUI (<a href="#">DS-824</a>)</p> <ul style="list-style-type: none"> <li>For items with restricted access, allows users to ask the original author for a copy of the item</li> </ul> <p>Original contribution of Adán Román Ruiz (<a href="#">Arvo Consultores</a>). JSPUI version adapted from the <a href="#">Universidade do Minho</a>. XMLUI version funded by <a href="#">Instituto Oceanográfico de España</a>. Additional improvements/bug fixes by Andrea Bollini (<a href="#">CINECA</a>).</p> |
| <p><a href="#">blocked URL</a></p>  | <p>A new <a href="#">REST web service API</a> module based on Jersey (a JAX RS 1.0 implementation) (<a href="#">DS-1696</a>)</p> <p>Provides:</p> <ul style="list-style-type: none"> <li>Read-only access to unrestricted communities, collections, items and bitstreams</li> <li>Handle lookup</li> <li>JSON (and XML) output formats</li> </ul> <p>Kindly contributed by Peter Dietz with the support of <a href="#">Ohio State University Libraries</a></p>                                                                                           |

More Information

 Additional information about DSpace 4.0 may be found in the [4.0 Documentation](#).

A full list of all changes / bug fixes in 4.0 is available in the [History](#) section of the 4.0 Documentation.

*All non-commercial images in the above table are free-to-use images borrowed from elsewhere or they are logos used to identify their respective products /services. In order: [magnifier icon](#), [Apache Solr logo](#), [Bootstrap button](#), [Barre de progression](#) by Mathafix (OpenClipArt), [SHERPA/RoMEO logo](#), Copy Text by Chris Alpaerts (The Noun Project), DSpace diagram, [SWORD logo](#), [commandline logo](#), [Package](#) designed by Hakan Yalcin (The Noun Project), [Alarm Clock \(The Noun Project\)](#), [flags logo](#), [no spiders logo](#) (created by mhwood), [Google Scholar logo](#), [DOI logo](#), [HDL-Enabled logo](#), [phone icon](#), [key icon](#), [hand holding brochure](#), JAX-RS logo.*

## Possible JIRA tickets to resolve (automated list)

This is the list of JIRA tickets ("New Features" and Improvements) currently scheduled for 4.0. **There is no guarantee they will all be completed in time for 4.0 release, and tickets may be dropped/added to the list at any time.** But, if you'd like to volunteer to help with one, please let us know by attaching a comment to the ticket in question.

| key                                                                                                                                            | summary | assignee | reporter |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|----------|
| <div> <p>Can't show details. Ask your admin to add this Jira URL to the allowlist.</p> <p><a href="#">View these issues in Jira</a></p> </div> |         |          |          |

## Changes

The following changes have already been made to the codebase and will be released in 4.0. Please note that the below listing is dynamically generated, so it will be changing as we continue to add new features, improvements and bug fixes to the 4.0 release.

### New Features in 4.0

| key                                                                                                                                            | summary | assignee | reporter |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|----------|
| <div> <p>Can't show details. Ask your admin to add this Jira URL to the allowlist.</p> <p><a href="#">View these issues in Jira</a></p> </div> |         |          |          |

## General Improvements in 4.0

| key | summary                                                                                                                | assignee | reporter |
|-----|------------------------------------------------------------------------------------------------------------------------|----------|----------|
|     | Can't show details. Ask your admin to add this Jira URL to the allowlist.<br><a href="#">View these issues in Jira</a> |          |          |

## Bug Fixes in 4.0

| key | summary                                                                                                                | assignee | reporter |
|-----|------------------------------------------------------------------------------------------------------------------------|----------|----------|
|     | Can't show details. Ask your admin to add this Jira URL to the allowlist.<br><a href="#">View these issues in Jira</a> |          |          |

## Organizational Details

### Release Coordination

Instead of a single "Release Coordinator", the DSpace 4.0 release will be managed by a "Release Team".

#### Release Team Leader

- [Mark H. Wood](#)

#### Release Team Members

- [Hardy Pottinger](#)
- [Mark H. Wood](#)
- [Andrea Bollini \(4Science\)](#)

## Timeline and Processing

| Date                      | Milestone                                                                     | What it means                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <del>October 07</del>     | Deadline for feature pull requests                                            | If you wish to contribute features to DSpace 4.0, you must submit a pull request by this date.                            |
| <del>October 09</del>     | Weekly developers' meeting devoted to review of feature pull requests for 4.0 | The entire hour's meeting will be used to discuss proposed features submitted by the deadline.                            |
| <del>October 16</del>     | Weekly developers' meeting devoted to review of feature pull requests for 4.0 | The entire hour's meeting will be used to discuss proposed features submitted by the deadline.                            |
| <del>October 21</del>     | Feature freeze                                                                | DSpace 4.0 is considered feature-complete on this date. Only bugfixes will be pulled between this date and final release. |
| <del>October 21</del>     | Release Candidate 1 tagged                                                    | A DSpace 4.0 Release Candidate will be available for wider testing.                                                       |
| <del>November 04-15</del> | Testathon                                                                     | Intensive public testing of the RC is invited. The Release Team will focus on getting problems resolved.                  |
| <del>December 03</del>    | Release Candidate 2 tagged                                                    | An updated DSpace 4.0 Release Candidate will be available for wider testing.                                              |
| <del>December 05-06</del> | Release Candidate 3 tagged                                                    | If necessary, an updated DSpace 4.0 Release Candidate will be available for wider testing.                                |

|                   |                           |                                         |
|-------------------|---------------------------|-----------------------------------------|
| December 13 or 16 | DSpace 4.0 release tagged | DSpace 4.0 is released for general use. |
|-------------------|---------------------------|-----------------------------------------|

Release Process needs to proceed according to the following Maven release process: [Release Procedure](#)

## Contribute to DSpace

On October 21st, the window for contributing **new functionality** to the DSpace 4 release formally closed. Bugfixes are currently still considered.

Any contribution is always welcome! Contributions of new functionality will be considered for future releases of DSpace. Code and documentation need not be finished, so long as it is working and we can all see what it is for. Time is set aside for fixing, polishing, and integration. General [Code Contribution Guidelines](#) are available. Anyone is welcome to ask questions on the [dspace-devel mailing list](#).

| key                                                                                                                                            | summary | assignee | reporter |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|----------|
| <div> <p>Can't show details. Ask your admin to add this Jira URL to the allowlist.</p> <p><a href="#">View these issues in Jira</a></p> </div> |         |          |          |