Preface

Online Version of Documentation also available

This documentation was produced with Confluence software. A PDF version was generated directly from Confluence. An online, updated version of this 3.x Documentation is also available at: https://wiki.duraspace.org/display/DSDOC3x

Release Notes

We highly recommend any users of DSpace 3.x (or below) upgrade to 3.6

DSpace 3.6 contains security fixes for the XMLUI. To ensure your XMLUI 3.x site is secure, **we highly recommend XMLUI DSpace 3.x users upgrade to DSpace 3.6.** See the DSpace Release 3.6 Notes for further details. *DSpace 3.6 upgrade instructions are available at: Upgrading a DSpace Installation*

DSpace 3.5 contains security fixes for the JSPUI. To ensure your JSPUI 3.x site is secure, **we highly recommend JSPUI DSpace 3.x users upgrade to DSpace 3.5 (or above)**. See the DSpace Release 3.5 Notes for further details.

DSpace 3.4 contained security fixes for both the XMLUI and JSPUI. See the DSpace Release 3.4 Notes for further details.

We also highly recommend removing any "allowLinking=true" settings from your Tomcat <Context> settings. Previously our installation documentation erroneously listed examples which included "allowLinking=true", while the Tomcat documentation lists it as a possible security concern.
We highly recommend DSpace 1.x.x users upgrade to DSpace 3.6, 4.5 or 5.5

If you are running an older, unsupported version of DSpace (1.x.x), we highly recommend upgrading to DSpace 3.6, DSpace 4.5 or DSpace 5.5 to ensure your site is secure. Per our DSpace Software Support Policy, all DSpace 1.x.x versions are now End-Of-Life.

If you are considering an upgrade from DSpace 1.x.x, note that, as of DSpace 5, your existing data (i.e. database contents, search/browse indexes) will now be automatically upgraded from ANY prior version of DSpace. Therefore, you may wish to consider upgrading directly to DSpace 5.x, as the 5.x upgrade process is simplified.

Welcome to Release 3.6. DSpace 3.6 provides XMLUI security fixes to the 3.x platform. For full details on the fixes/patches/improvement, please visit:

- DSpace Release 3.6 Notes
- DSpace Release 3.5 Notes
- DSpace Release 3.4 Notes
- DSpace Release 3.3 Notes
- DSpace Release 3.2 Notes
- DSpace Release 3.1 Notes.

The following is a list of the new features included for the 3.x platform (not an exhaustive list):

DSpace 3.0 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 3.0 that are enabled by default:

Completely rewritten OAI-PMH Interface

- Driver and Open-AIRE compatible
- Allows for multiple contexts (URL endpoints), each with a different configuration
- 12 default metadata export formats and easy way to write new ones using XSLT
- Runs on Solr for great performance, legacy mode over DSpace database supported
- Even faster thanks to caching

Kindly contributed by Lyncode

Improvements to Solr-based Statistics

- Workflow statistics
- Search Query statistics
- Solr version upgrade and performance optimization

Kindly contributed by @mire

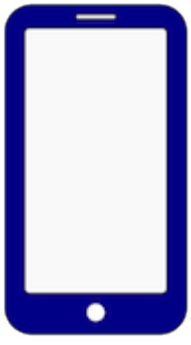
Batch import for Bibliographic formats

- Support for Endnote, BibTex, RIS, TSV, CSV
- Enhanced batch import routines

Kindly contributed by the Greek National Documentation Centre/EKT

	Controlled Vocabulary Support for XMLUI • Submission form vocabulary lookup • Includes The Norwegian Science Index and the Swedish Research Subject Categories Kindly contributed by @mire's Kevin Van de Velde
	Google Analytics support for JSPUI • support for statistics collection by entering the GA key into dspace.cfg Kindly contributed by Denys Slipetskyy
	Improvements to Authentication by Password • now stores salted hashes • old passwords will continue to work and will be automatically converted to salted hashes on next user login Kindly contributed by Mark H. Wood with the support of IUPUI University Library
The following list contains all features that **are** included in the DSpace 3.0 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.	

	Discovery: Search & Browse
	
	• Enhancements for XMLUI:
	  ◦ Search Snippets
	  ◦ Hit Highlighting
	  ◦ Related Items
	  ◦ Hiding restricted results
	
	Kindly contributed by @mire with the support of the World Bank
	
	• Discovery is now supported in JSPUI (example)
	
	Kindly contributed by CILEA

	Item Level Versioning • Create and preserve different item versions • Enhanced identifiers • XMLUI only Kindly contributed by @mire with the support of MBLWHOI Library, WHOI, MBL CLI (HPS), ASU CBS and Dryad
	Advanced Embargo • Time based restrictions on both bitstreams and metadata • Advanced mode for additional user group restrictions • XMLUI only Kindly contributed by @mire with the support of the University of Michigan Libraries
	Mobile Theme for XMLUI (beta) • Documentation Kindly contributed by Elias Tzoc and James Russell with the support of Miami University

	Type-based submissions • Show or hide metadata fields in the submission forms, based on the type of content submitted Kindly contributed by Nestor Oviedo and SeDiCI
	ElasticSearch-based Usage Statistics • scalable ElasticSearch backend, runs on embedded node by default • uses Google Chart API for graphs and maps • export to CSV available • displaying can be either public or restricted Kindly contributed by Peter Dietz with the support of Ohio State University Libraries
	Improvements to LDAP Authentication • LDAPHierarchicalAuthentication superseded by LDAPAuthentication, see Enabling Hierarchical LDAP Authentication • New option to map LDAP group membership to internal DSpace groups Kindly contributed by Samuel Ottenhoff

A full list of all changes / bug fixes in 3.x is available in the History section.

The following individuals have contributed directly to this release of DSpace: Linna R. Agne, Jacob Andersson, Jose Blanco, Andrea Bollini, José Carvalho, David Chandek-Stark, Peter Dietz, Mark Diggory, Tim Donohue, Denis Fdz, Sands Fish, Brian Freels-Stendel, Àlex Magaz Graça, Bo Gundersen, Bill Hays, Onivaldo Rosa Junior, Claudia Jürgen, Artur Konczak, Dirk Leinders, Alex Lemann, Ariel J. Lira, Emilio Lorenzo, Bram Luyten, Ivan Masár , João Melo, Samuel Ottenhoff, Nestor Oviedo, Christina Paschou, Scott Phillips, Hardy Pottinger, James Russell, Andrea Schweer, Jonathon Scott, Milton Shintaku, Denys Slipetskyy, Kostas Stamatis, Rania Stathopoulou, Keiji Suzuki, Steve Swinsburg, Robin Taylor, Elias Tzoc, Kevin Van de Velde, Jennifer Whalan, Jennifer Whitney, and Mark H. Wood. Many of them could not do this work without the support (release time and financial) of their associated institutions. We offer thanks to those institutions for supporting their staff to take time to contribute to the DSpace project.

A big thank you also goes out to the DSpace Community Advisory Team (DCAT), who helped the developers to prioritize and plan out several of the new features that made it into this release. The current DCAT members include: Amy Lana, Augustine Gitonga, Bram Luyten, Ciarán Walsh, Claire Bundy, Dibyendra Hyoju, Elena Feinstein, Elin Stangeland, Iryna Kuchma, Jim Ottaviani, Leonie Hayes, Maureen Walsh, Michael Guthrie, Sarah Molloy, Sarah Shreeves, Sue Kunda, Valorie Hollister and Yan Han.

We apologize to any contributor accidentally left off this list. DSpace has such a large, active development community that we sometimes lose track of all our contributors. Our ongoing list of all known people/institutions that have contributed to DSpace software can be found on our DSpace Contributors page. Acknowledgments to those left off will be made in future releases.

Want to see your name appear in our list of contributors? All you have to do is report an issue, fix a bug, improve our documentation or help us determine the necessary requirements for a new feature! Visit our Issue Tracker to report a bug, or join dspace-devel mailing list to take part in development work. If you'd like to help improve our current documentation, please get in touch with one of our Committers with your ideas. You don't even need to be a developer! Repository managers can also get involved by volunteering to join the DSpace Community Advisory Team and helping our developers to plan new features.

The Release Team consisted of Sands Fish, Ivan Masár, Hardy Pottinger, and Robin Taylor.

Additional thanks to Tim Donohue from DuraSpace for keeping all of us focused on the work at hand, for calming us when we got excited, and for the general support for the DSpace project.