DSpace Release 6.3 Status
Version 6.3

DSpace 6.3 was officially released to the public on June 27, 2018.
DSpace 6.3 can be downloaded immediately from:

- https://github.com/DSpace/DSpace/releases/tag/dspace-6.3

More information on the 6.3 release (and the 6.x platform in general) can be found in the 6.x Release Notes.

Upgrade instructions can be found at Upgrading DSpace

We highly recommend ALL JSPUI users of DSpace 6.x upgrade to 6.3

DSpace 6.3 contains security fixes for the JSPUI (only). To ensure your 6.x JSPUI site is secure, we highly recommend ALL JSPUI DSpace 6.x users upgrade to DSpace 6.3.

DSpace 6.x XMLUI users may also wish to upgrade as several major bugs have been fixed in the XMLUI as well.

DSpace 6.3 upgrade instructions are available at: Upgrading DSpace

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Summary

DSpace 6.3 is a bug fix release to resolve several issues located in previous 6.x releases. As it only provides only bug fixes, DSpace 6.3 should constitute an easy upgrade from DSpace 6.x for most users. No database changes should be necessary when upgrading from DSpace 6.x to 6.3. One configuration addition (orcid.api.url property) has been made to the default dspace.cfg to support the new ORCID API v2, for ORCID Authority Control users.

### JSPUI security fixes include

- [HIGH SEVERITY] A user can inject malicious Javascript into the names of EPeople or Groups. This is most severe in sites which allow anyone to register for a new account. ([https://jira.duraspace.org/browse/DS-3866](https://jira.duraspace.org/browse/DS-3866) - requires a JIRA account to access.)
  
  - Reported by Julio Brafman

- [MEDIUM SEVERITY] Any user was able to export metadata to CSV format if they knew the correct JSPUI path/parameters. Additionally, the exported CSV included metadata fields which are flagged as hidden in configuration. ([https://jira.duraspace.org/browse/DS-3840](https://jira.duraspace.org/browse/DS-3840) - requires a JIRA account to access.)
  
  - Reported by Eike Kleiner (ZHAW, Zurich University of Applied Sciences)

### Major bug fixes include

- Update DSpace ORCID Integration to use ORCID API v2 (instead of now obsolete ORCID v1): DS-3447
- Update DSpace Statistics to use GeoIP API v2 (instead of now discontinued GeoIP API v1): DS-3832
- Database specific fixes
  - Oracle database migration fix. Configurable Workflow migration threw errors: DS-3788
  - PostgreSQL JDBC driver upgraded to latest version (to allow for full compatibility with PostgreSQL v10): DS-3854
  - Fix issue where DSpace wasn’t starting if it used a database connection pool supplied through JNDI: DS-3434
- Bitstream deletion issues (“dspace cleanup” command)
  - Fixed issues where Bitstreams were not being flagged for deletion when an Item was deleted: DS-3729
  - Fixed issues where Bitstreams were not being removed from assetstore even when flagged as deleted: DS-3627 and DS-3461
    - Note: This issue was limited to 6.0, 6.1 or 6.2, and specifically occurred when Item Level Versioning was NOT enabled (which is the default setting) or when Item Level Versioning was first enabled on DSpace version 6.0, 6.1 or 6.2
  - Fixed issues where Bitstreams were removed from all versions of an Item (resulting in inaccurate versioning) when deleted from the latest version of an Item: DS-3627
    - Note: This issue was limited to 6.0, 6.1 or 6.2, and specifically ONLY occurred when Item Level Versioning was first enabled on DSpace version 4.x or 5.x (and that old versioning data had since been migrated to 6.x).
  - Other API-level fixes (affecting all UIs)
    - Fixed issues where Item Level Versioning accidentally duplicated both metadata (DS-3703) and bitstreams (DS-3702)
    - Fixed issue where Shibboleth authentication plugin appeared to login when no password provided: DS-3662
Fixed issues with Solr Search Query escaping in both UIs: DS-3507
Update last modified timestamp (on Item) when a new bitstream is added: DS-3734
Ensure ImageMagick thumbnails respect the orientation of original file: DS-3839
Fix MediaFilter "too many open files" issues (where it forgot to close an input stream): DS-3700
Fix PubMed Import submission step (StartSubmissionLookupStep) to use updated URL of PubMed API: DS-3933
Cleanup EHCache configuration: DS-3894 and DS-3710
JSPUI fixes
Fixed issues with authority control popup: DS-3404
Fixed issues with pausing HTML5 uploads: DS-3865
XMLUI fixes
Fixed Mirage v2 build issues caused by Bower Registry URL change: DS-3936
Fixed performance issues for Items with 100+ bitstreams: DS-3883
Fixed occasional Hibernate LazyInitializationException when completing submissions: DS-3775
Fixed Unicode character issues in metadata: DS-3733
Fix issue where search results lose Community/Collection context when sorting: DS-3835
Fixed bitstream download issues which could leave AWS connections open when using S3 storage backend: DS-3870
Update Mirage to use recommended MathJax inline delimiters (DS-3087) and to use new CDN location (DS-3560)
OAI-PMH Fixes
Ensure OAI-PMH updates harvestable items when an item is made private (DS-3707) or an embargo expires (DS-3715)
Fixed Unicode character issues in metadata: DS-3733 and DS-3556
Fix content type of OAI-PMH response: DS-3889
Enhanced "oai import" command to report on items that cause indexing issues: DS-3852
REST API fixes and minor improvements
Fixed issue where REST API was no longer able to return JSON responses: DS-3903
Fixed update bitstream data returning 500 response: DS-3511
Improvements to REST Based Quality Control Reports:
  - Enable login via Shibboleth: DS-3811
  - Add bitstream field data to item listing: DS-3704
  - Fix bug filtering for bitstream permissions: DS-3713
  - Improve ability to find withdrawn items: DS-3714

For more information, see the Changes section below.

Upgrade Instructions

For upgrade instructions from ANY PRIOR VERSION to 6.3, please see Upgrading DSpace

No new features in DSpace 6.3

6.3 is a bug-fix only release. This means it includes no new features and only includes the below listed fixes.
For a list of all new 6.x Features, please visit the 6.x Release Notes.

Changes

The following bug fixes were released in 6.3.

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T Created</th>
<th>Updated</th>
<th>Due</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P</th>
<th>Status</th>
<th>Resolution</th>
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<tr>
<td>DS-3936</td>
<td>Bower registry used by Mirage2 is no longer serving requests</td>
<td>Jun 24, 2018</td>
<td>Jun 25, 2018</td>
<td>Kim Shepherd</td>
<td>Kim Shepherd</td>
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<td>DS-3903</td>
<td>DSpace6 rest requests cannot return application/json (they can return application /xml)</td>
<td>May 03, 2018</td>
<td>May 08, 2018</td>
<td>Terrence W Brady</td>
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<td>DS-3883</td>
<td>DSpace 6x Performance Issues for Items with 100+ bitstreams</td>
<td>Apr 04, 2018</td>
<td>Jun 24, 2019</td>
<td>Tim Donohue</td>
<td>Ying Jin</td>
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<td>DS-3788</td>
<td>Flyway migration &quot;Hibernate Workflow Migration&quot; fails</td>
<td>Dec 13, 2017</td>
<td>Jun 22, 2018</td>
<td>Tim Donohue</td>
<td>Jacob Brown</td>
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<td>DS-3447</td>
<td>Transition ORCID integration to ORCID API 2.0</td>
<td>Jan 11, 2017</td>
<td>Aug 29, 2018</td>
<td>Kevin Van de Velde (Atmire)</td>
<td>Bram Luyten (Atmire)</td>
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<td>DS-377</td>
<td>Solr query may be longer than allowed by the Web Container</td>
<td>Nov 07, 2016</td>
<td>Jun 26, 2019</td>
<td>Kim Shepherd</td>
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<td>DS-310</td>
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<td>Aug 06, 2018</td>
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<td>DS-1818</td>
<td>Ensure DSpace works with Creative Commons 4.0 licenses</td>
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<td>DS-3856</td>
<td>foreigntkey-constraint community2community_child _comm_id_fkey</td>
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<td>Feb 13, 2019</td>
<td>Kim Shepherd</td>
<td>Stefan Fritzsch</td>
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<td>DS-3854</td>
<td>DSpace 5 PostgreSQL JDBC Driver doesn't work well with Postgres 10</td>
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<td>Aug 15, 2019</td>
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<td>DS-3733</td>
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<td>DS-3729</td>
<td>The Bitstreams deletion flag is not set in the database in case of an item deletion</td>
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<td>Jun 27, 2018</td>
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<td>DS-3715</td>
<td>2 item level embargo bugs in OAI-PMH</td>
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<td>Aug 06, 2018</td>
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<td>DS-3707</td>
<td>Making an Item private does not remove it from the OAI index with incremental indexing.</td>
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<td>DS-3700</td>
<td>Filter Media leaks file sockets</td>
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<td>DS-3629</td>
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Showing 20 out of 69 issues

Organizational Details

Release Coordination

- Release Coordinator: Kim Shepherd