History
DSpace System Documentation: Version History

- Changes in DSpace 1.7.3
- Changes in DSpace 1.7.2
- Changes in DSpace 1.7.1
- Changes in DSpace 1.7.0
- Changes in DSpace 1.6.2
- Changes in DSpace 1.6.1
- Changes in DSpace 1.6.0
- Changes in DSpace 1.5.2
- Changes in DSpace 1.5.1
- Changes in DSpace 1.5
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- Changes in DSpace 1.3.2
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- Changes in DSpace 1.2.2
- Changes in DSpace 1.2.1
- Changes in DSpace 1.2
- Changes in DSpace 1.1.1
- Changes in DSpace 1.1

Changes in DSpace 1.7.3

General Improvements

<table>
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<tr>
<th>key</th>
<th>summary</th>
<th>assignee</th>
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<td>View these issues in Jira</td>
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Bug Fixes

- DS-1603 - Resolves a security issue in JSPUI

Changes in DSpace 1.7.2

Bug Fixes

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Changes in DSpace 1.7.1

General Improvements
Bug Fixes

Changes in DSpace 1.7.0

New Features

General Improvements

Bug Fixes
Changes in DSpace 1.6.2

General Improvements

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Changes in DSpace 1.6.1

General Improvements

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## Changes in DSpace 1.6.0

### New Features

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*View these issues in Jira*

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*View these issues in Jira*

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*View these issues in Jira*

## Changes in DSpace 1.5.2

### New Features

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*View these issues in Jira*
Changes in DSpace 1.5.1

**General Improvements and Bug Fixes**

*(Scott Philips)*

- (Scott Phillips) Fixed bug where users could not finish registering nor reset their password because the authentication method signatures were changed.
- Jay Paz (SF#1898241) Additional fixes to patch to enable reuse of methods.
- Added the ability to manage sessions with site wide alerts to prevent users from authenticating.
- Fixes a bug where the ability to edit an item during workflow step 2 is not displayed.
- Jay Paz (SF#1898241) Add item Export from jspui and xmlui.
- Added easy support for google analytics statistics
- Added the ability for super admins to login as other users.
- Added an activity viewer to the Control Panel

*(Mark Diggory)*

- Fix for SF Bug #2082236 Subscription notification (sub-daily) no emails sent
- #2102580 William Hays: Duplicate Handle exception when replacing bitstreams
- #2102617 Sands Fish: X509Authentication fails to assign appropriate specialgroups
- (Sands Fish) Add "Select Primary Bitstream" functionality to submission workflow
- Guard against Community/Collection metadata having only whitespace characters and eliminate cases where null pointer exceptions would be thrown
- Improve DSIndexer logic in both branches to support removal of items from index when withdrawn from repository.
- (Sands Fish) Provides fix for AuthenticationUtil where users ID's are not properly compared.
- Fix NullPointerException cause by nullified Context object in LNI map item to new collection.
- Block Basic Authentication "details" from being exposed in dspace logs.
- (Bill Hays) Close InputStreamReaders explicitly to release any file handles back to OS.
- correct linking on pages when xmlui is the ROOT webapplication
• correct issue with sitemap redirection of mydspace uri.
• Add serlet-api to overlay wars to reduce compile time errors when adding classes
• Correct issues in feed generation
• XMLUI Adjust Advanced Search to use search properties from dspace.cfg.
• Correct bug in Body.toSAX where startElement is called instead of end element.
• Correct issue with libraries being excluded from wars

(Claudia Juergen)
• Fix for SF bug #2090761 Statistics wrong use of dspace.dir for log location
• Fix for SF bug #2081930 xmlui hardcoded strings in browse
• Fix for SF bug #2080319 jspsui hardcoded strings in browse
• Fix for SF bug #2078305 xmlui hardcoded strings used in UI in xmlui-api
• Fix for SF bug #2078324 xmlui hardcoded strings used in UI in General-Handler.xsl
• SF patch #2076066 Review in jspsui submission non-dc metadata
• SF Bug #1983859 added Foreign Lucene Analyzers to poms
• SF Bug #1989916 - missing LDAP authentication key

(Stuart Lewis)
• #1947036 Patch for SF Bug1898960 SWORD authentication and LDAP + [1989874] LDAPAuthentication pluggable method broken for current users
• Added copying of registration email template to 1.4 to 1.5 upgrade instructions
• Fix for SF bug #2055941 LDAP authentication fails for new users in SWORD and Manakin

(Zuki Ebetsu / Stuart Lewis)
• #1990660 SWORD Service Document are malformed / Corrected Atom publishing MIME types

(Stuart Lewis / Claudia Juergen)
• Updated installation and configuration documents for new statistics script, and removed references to Perl

(Tim Donohue)
• Fix for SF bug #2095402 - Non-interactive Submission Steps don't work in JSPUI 1.5
• Fix for SF bug #2013921 - Movement in Submission Workflow Causes Skipped Steps
• Fix for SF bug #2015988 - Configurable Submission bug in SubmissionController
• Fix for SF bug #2034372 - Resorting Search Results in JSPUI always gives no results
• Updates to Community/Collection Item Counts (i.e. strengths) for XMLUI.
• 1.5 upgrade instructions were missing Metadata Registry updates necessary to support SWORD.

(Graham Triggs)
• Fix various problems with resources potentially not being freed, and other minor fixes suggested by FindBugs
• Replace URLEncoder with StringEscapeUtils for better fix of escaping the hidden query field
• Fix #2034372 - Resorting in JSPUI gives no results
• Fix #1714851 - set eperson.subscription.stringify in dspace.cfg to only include items that are new to the repository
• Fix issue where the browse and search indexes will not be updated correctly if you move an Item
• Fix problem with SWORD not accepting multiple concurrent submissions
• Fix #1963060 Authors listed in reverse order
• Fix #1970852 - XMLUI: Browse by Issue Date "Type in Year" doesn't work
• Statistics viewer for XMLUI based on existing DStat. Note that this generates the view from the analysis files (.dat), does not require HTML report generation.
• Fixed incorrect downloading of bitstream on withdrawn item
• Add JSPUI compatible log messages to XMLUI transformers
• Clean up use of ThreadLocal
• Improved cleanup of database resources when web application is unloaded
• Fix bug #1931799 - duplicate "FROM metadatavalue"&quot
• Fixed Oracle bugs with ILIKE operators and LIMIT/OFFSET clauses

Changes in DSpace 1.5

General Improvements
• Highly configurable and theme-able new user interface (Manakin).
• Apache Maven-based modular build system.
• LNI (Lightweight Network Interface) service. Allows programmatic ingest of content via WebDAV or SOAP.
• SWORD (Simple Web-service Offering Repository Deposit): repository-standard ingest service using Atom Publishing Protocol.
• Highly configurable item web submission system. All submission steps are configurable not just metadata pages.
• Browse functionality allowing customisation of the available indexes via dspace.cfg and pluggable normalisation of the sort strings. Integration with both JSP-UI and XML-UI included.
• Extensible content event notification service.
• Generation of Google and HTML sitemaps

Bug fixes and smaller patches
Changes in DSpace 1.4.1

General Improvements

- Error pages now return appropriate HTTP status codes (e.g. 404 not found)
- Bad filenames in /bitstream/ URLs now result in 404 error -- prevents infinite URL spaces confusing crawlers and bad "persistent" bitstream IDs circulating
- Prevent infinite URL spaces in HTMLServlet
- InstallItem no longer sets dc.format.extent, dc.format.mimetype; no longer sets default value for dc.language.iso if one is not present
- Empty values in drop-down submit fields are not added as empty metadata values
- API methods for searching epeople and groups
- Support stats from both 1.3 and 1.4
- (dspace)\bin\update-handle-prefix now runs index-all
- Remove cases of System.out from code executed in webapp
- Change "View Licence" to "View License" in Messages.properties
- dspace.cfg comments changed to indicate what default.language actually means
- HandleServlet and BitstreamServlet support If-Modified-Since requests
- Improved sanity-checking of XSL-based ingest crosswalks
- Remove thumbnail filename from alt-text
- Include item title in HTML title element
- Improvements to help prevent spammers and sploggers
- Make cleanup() commit outstanding work every 100 iterations
- Better handling where email send failed due to wrong address for new user
- Include robots.txt to limit bots navigating author, date and browse by subject pages
- Add css styles for print media
- Make configurable and provide system-wide RSS feed, also moves text to Messages.properties
- Jar file updates (includes required code changes for DSIndexer and DSQuery and new jars fontbox.jar and serializer.jar)
- Various documentation additions and cleanups
- XHTML compliance improvements
- Move w3c valid xhtml boiler image into local repository
- Remove uncessary Log4j Configuration in CheckerCommand
- Include Windows CLASSPATH in dsrun.bat

Bug fixes

- 1604037 - UIUtil.encodeBitstream() now correctly encodes URLs (no longer incorrectly substitutes '+' for spaces in non-query segment
- 1592984 - Date comparisons strip time in org.dspace.harvest.Harvest
- 1589902 - Duplicate [field] checking error [on input-forms.xml]
- 1586952 - Collection Wizard create Template missing schema
- 1589878 - View unfinished submissions - collection empty
- 1588625 - Incorrect text on item mapper screen
- 1597805 - DIDL Crosswalk: wrong resource management
- 1605635 - NPE in Utilis.java
- 1597504 - Search result page shows shortened query string
- 1523289 - Item Templates do not work for non-dc fields
- 1066771 - Metadata edit form dropping DC qualifier
- 1548738 - Multiple Metadata Schema, schema not shown on edit item page
• 1589895 - Not possible to add unqualified Metadata Field
• 1543853 - Statistics do not work in 1.4
• 1541381 - Browse-by-date and browse-by-title not working
• 1556947 - NullPointerException when no user selected to del/edit
• 1554064 - Fix exception handling for ClassCastException in BitstreamServlet
• 1548865 - Browse errors on withdrawn item
• 1554056 - Community/collection handle URL with / redirects to homepage
• 1571490 - UTF-8 encoded characters in licence
• 1571519 - UTF-8 in statistics
• 1544807 - Browse-by-Subject/Author paging mechanism broken
• 1543966 - “Special” groups inside groups bug
• 1480496 - Cannot turn off “ignore authorization” flag!
• 1515148 - Community policies not deleting correctly
• 1556829 - Docs mention old SiteAuthenticator class
• 1606435 - Workflow text out of context
• Fix for bitstream authorization timeout
• Fix to make sure cleanup() doesn't fail with NullPointerException
• Fix for removeBitstream() failing to update primary bitstream
• Fix for Advanced Search ignoring conjunctions for arbitrary number of queries
• Fix minor bug in Harvest.java for Oracle users
• Fix missing title for news editor page
• Small Messages.properties modification (change of DSpace copyright text)
• fix PDFBox tmp file issue
• Fix HttpServletRequest encoding issues
• Fix bug in TableRow toString() method where NPE is thrown if tablename not set
• Update DIDL license and change coding style to DSpace standard

Changes in DSpace 1.4

General Improvements

• Content verification through periodic checksum checking
• Support for branded preview image
• Add/replace Creative Commons in 'edit item' tool
• Customisable item listing columns and browse indices
• Script for updating handle prefixes (e.g. for moving from development to production)
• Configurable boolean search operator
• Controlled vocabulary patch to provide search on classification terms, and addition of terms during submission.
• Add ‘visibility’ element to input-forms.xml
• Browse by subject feature
• Log4J enhancement to use XML configuration
• QueryArgs class can support any number of fields in advanced search.
• Community names no longer have to be unique
• Enhanced Windows support
• Support for multiple (flat) metadata schemas
• Suggest an item page
• RSS Feeds
• Performance enhancements
• Stackable authentication methods
• Plug-in manager
• Pluggable SIP/DIP support and metadata crosswalks
• Nested groups of e-people
• Expose METS and MPEG-21 DIDL DIPs via OAI-PMH
• Configurable Lucene search analyzer (e.g. for Chinese metadata)
• Support for SMTP servers requiring authentication

Bug fixes

• 1358197 - Edit Item, empty DC fields not removable
• 1363633 - Submission step 1 fails when there are no collections
• 1255264 - Resource policy eperson value was set to wrong column
• 1380494 - Error deleting an item with multiple metadata schema support
• 1443649 - Cannot configure unqualified elements for advanced search index
• 1333687 - Browse-(title|date) fails on withdrawn item
• 1066713 - Two (sub)communities cannot have one name
• 1284055 - Two Communities of same name throws error
• 1035366 - Bitstream size column should be bigint
• 1352257 - Selecting a Group for GroupToGroup while Creating Collection
• 1352226 - Navigation and Sorting in Group List (Select Groups) fails
• 1348276 - Null in collection name causes OAI ListSets to fail
• 1160898 - dspace_migrate removes Date.Issued from prev published items
• 1261191 - Malformed METS metadata exported

Changes in DSpace 1.3.2
General Improvements

- DSpace UI XHTML/WAI compliant
- Configure metadata fields shown on simple item display
- Supervisor/workspace help documentation

Bug fixes

- Oracle compatibility fixes
- Item exporter now correctly exports metadata in UTF-8
- fixed to handle 'null' values passed in

Changes in DSpace 1.3.1

Bug fixes

- 1252153 - Error on fresh install

Changes in DSpace 1.3

General Improvements

- Initial i18n Support for JSPs - Note: the implementation of this feature required changes to almost all JSP pages
- LDAP authentication support
- Log file analysis and report generation
- Configurable item licence viewing
- Supervision order/collaborative workspace administrative tools
- Basic workspace for submissions in progress, with support for supervision
- SRB storage system option
- Updated handle server system
- Database optimisations
- Latest versions of Xerces, Xalan and OAICAT jars
- Various documentation additions and cleanups

Bug fixes

- 1161459 - ItemExporter fails with Too many open files
- 1167373 - Email date field not populated
- 1193948 - New item submit problem
- 1188132 - NullPointerException when Adding EPerson
- 1188016 - Cannot Edit an Eperson
- 1219701 - Unable to open unfinished submission
- 1206836 - community strengths not reflecting sub-community
- 1238262 - Submit UI nav/progress buttons no longer show progress
- 1238276 - Double quote problem in some fields in submit UI
- 1238277 - format support level not shown in "uploaded file" page
- 1242548 - Uploading non-existing files
- 1244743 - Bad lookup key for special case of DC Title in ItemTag.java
- 1245223 - Subscription Emailer fails
- 1247508 - Error when browsing item with no content/bitstream collections
- Set the content type in the HTTP header
- Fix issue where EPerson edit would not work due to form indexing (partial fix)
- POST handling in HTMLServlet
- Missing ContentType directives added to some JSPs
- Name dependency on Collection Admin and Submitter groups fixed
- Fixed OAI-PMH XML encoding

Changes in DSpace 1.2.2

General Improvements

- Customisable submission forms added
- Configurable number of index terms in Lucene for full-text indexing
- Improved scalability in media filter
- Submit button on collection pages only appears if user has authorisation
- PostgreSQL 8.0 compatibility
- Search scope retention to improve browsing
- Community and collection strengths displayed
- Upgraded OAICat software
Bug fixes

- Fix for Oracle too many cursors problem.
- Fix for UTF-8 encoded searches in advanced search.
- Fix for handling "\" in bitstream names.
- Fix to prevent delete of "unknown" bitstream format
- Fix for ItemImport creating new handles for replaced items

Changes in JSPs

- collection-home.jsp changed
- community-home.jsp changed
- community-list.jsp changed
- home.jsp changed
- dspace-admin/list-formats.jsp changed
- dspace-admin/wizard-questions.jsp changed
- search/results.jsp changed
- submit/cancel.jsp changed
- submit/change-file-description.jsp changed
- submit/choose-file.jsp changed
- submit/complete.jsp changed
- submit/creative-commons.jsp changed
- submit/edit-metadata.jsp new
- submit/get-file-format.jsp changed
- submit/initial-questions.jsp changed
- submit/progressbar.jsp changed
- submit/review.jsp changed
- submit/select-collection.jsp changed
- submit/show-license.jsp changed
- submit/show-uploaded-file.jsp changed
- submit/upload-error.jsp changed
- submit/upload-file-list.jsp changed

Changes in DSpace 1.2.1

General Improvements

- Oracle support added
- Thumbnails in item view can now be switched off/on
- Browse and search thumbnail options
- Improved item importer
  - added --test flag to simulate an import, without actually making any changes
  - added --resume flag to try to resume the import in case the import is aborted
- Configurable fields for the search index
- Script for transferring items between DSpace instances
- Sun library JARs (JavaMail, Java Activation Framework and Servlet) now included in DSpace source code bundle

Bug fixes

- A logo to existing collection can now be added. Fixes SF bug #1065933
- The community logo can now be edited. Fixes SF bug #1035692
- MediaFilterManager doesn't 'touch' every item every time. Fixes SF bug #1015296
- Supported formats help page, set the format support level to "known" as default
- Fixed various database connection pool leaks

Changed JSPs

- collection-home.jsp changed
- community-home.jsp changed
- display-item.jsp changed
- dspace-admin/confirm-delete-collection.jsp moved to tools/ and changed
- dspace-admin/confirm-delete-community.jsp moved to tools/ and changed
- dspace-admin/edit-collection.jsp moved to tools/ and changed
- dspace-admin/edit-community.jsp moved to tools/ and changed
- dspace-admin/index.jsp changed
- dspace-admin/upload-logo.jsp changed
- dspace-admin/wizard-basicinfo.jsp changed
- dspace-admin/wizard-default-item.jsp changed
- dspace-admin/wizard-permissions.jsp changed
- dspace-admin/wizard-questions.jsp changed
- help/formats.html removed
- help/formats.jsp changed
- index.jsp changed
- layout/navbar-admin.jsp changed
Changes in DSpace 1.2

General Improvements

- Communities can now contain sub-communities
- Items may be included in more than one collection
- Full text extraction and searching for MS Word, PDF, HTML, text documents
- Thumbnails displayed in item view for items that contain images
- Configurable MediaFilter tool creates both extracted text and thumbnails
- Bitstream IDs are now persistent - generated from item's handle and a sequence number
- Creative Commons licenses can optionally be added to items during web submission process

Administration

- If you are logged in as administrator, you see admin buttons on item, collection, and community pages
- New collection administration wizard
- Can now administer collection's submitters from collection admin tool
- Delegated administration - new 'collection editor' role - edits item metadata, manages submitters list, edits collection metadata, links to items from other collections, and can withdraw items
- Admin UI moved from /admin to /dspace-admin to avoid conflict with Tomcat /admin JSPs
- New EPerson selector popup makes Group editing much easier
- 'News' section is now editable using admin UI (no more mucking with JSPs)

Import/Export/OAI

- New tool that exports DSpace content in AIPs that use METS XML for metadata (incomplete)
- OAI - sets are now collections, identified by Handles ('safe' with /, : converted to _)
- OAI - contributor.author now mapped to oai_dc:creator

Miscellaneous

- Build process streamlined with use of WAR files, symbolic links no longer used, friendlier to later versions of Tomcat
- MIT-specific aspects of UI removed to avoid confusion
- Item metadata now rendered to avoid interpreting as HTML (displays as entered)
- Forms now have no-cache directive to avoid trouble with browser 'back' button
- Bundles now have 'names' for more structure in item's content

JSP file changes between 1.1 and 1.2

This list generated with cvs -Q rdiff -s -r dspace-1_1 dspace and a sprinkling of perl.

- Changed: dspace/jsp/collection-home.jsp
- Changed: dspace/jsp/community-home.jsp
- Changed: dspace/jsp/community-list.jsp
- Changed: dspace/jsp/display-item.jsp
- Changed: dspace/jsp/index.jsp
- Changed: dspace/jsp/home.jsp
- Changed: dspace/jsp/styles.css.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/authorize-advanced.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/authorize-collection-edit.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/authorize-community-edit.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/authorize-eperson.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/authorize-policy-edit.jsp
- Moved to dspace-admin: dspace/jsp/admin/confirm-delete-collection.jsp
- Moved to dspace-admin: dspace/jsp/admin/confirm-delete-community.jsp
- Moved to dspace-admin: dspace/jsp/admin/confirm-delete-dctype.jsp
- Moved to dspace-admin: dspace/jsp/admin/confirm-delete-eperson.jsp
- Moved to dspace-admin: dspace/jsp/admin/confirm-delete-format.jsp
- Moved to dspace-admin: dspace/jsp/admin/confirm-delete-item.jsp
- Moved to dspace-admin: dspace/jsp/admin/confirm-withdraw-item.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/edit-collection.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/edit-community.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/edit-item-form.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/get-item-id.jsp
- Moved to dspace/admin and changed: dspace/jsp/admin/group-edit.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/group-eperson-select.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/eperson-edit.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/eperson-main.jsp
- Moved to dspace/admin: dspace/jsp/admin/eperson-confirm-delete.jsp
- Moved to dspace-admin and changed: dspace/jsp/admin/eperson-confirm-edit.jsp
- Moved to dspace/admin and changed: dspace/jsp/admin/eperson-confirm-select.jsp
- Moved to dspace/admin and changed: dspace/jsp/admin/eperson-main.jsp
- Moved to dspace/admin and changed: dspace/jsp/admin/eperson-select.jsp
Changes in DSpace 1.1.1

Bug fixes

- non-administrators can now submit again
- installations now preserve file creation dates, eliminating confusion with upgrades
- authorization editing pages no longer create null entries in database, and no longer handles them poorly (no longer gives blank page instead of displaying policies.)
- registration page Invalid token error page now displayed when an invalid token is received (as opposed to internal server error.) Fixes SF bug #739999
- eperson admin ‘recent submission’ links fixed for DSpaces deployed somewhere other than at / (e.g. /dspace).
- help pages Link to help pages now includes servlet context (e.g. ‘/dspace’). Fixes SF bug #738399.
Improvements

- `bin/dspace-info.pl` now checks jsp and asset store files for zero-length files
- `make-release-package` now works with SourceForge CVS
- eperson editor now doesn't display the spurious text 'null'
- item exporter now uses Jakarta's cli command line arg parser (much cleaner)
- item importer improvements:
  - now uses Jakarta's cli command line arg parser (much cleaner)
  - imported items can now be routed through a workflow
  - more validation and error messages before import
  - can now use email addresses and handles instead of just database IDs
  - can import an item to a collection with the workflow suppressed

Changes in DSpace 1.1

- Fixed various OAI-related bugs; DSpace's OAI support should now be correct. Note that harvesting is now based on the new Item 'last modified' date (as opposed to the Dublin Core `date.available` date.)
- Fixed Handle support–DSpace now responds to naming authority requests correctly.
- Multiple bitstream stores can now be specified; this allows DSpace storage to span several disks, and so there is no longer a hard limit on storage.
- Search improvements:
  - New fielded searching UI
  - Search results are now paged
  - Abstracts are indexed
  - Better use of Lucene API; should stop the number of open file handles getting large
- Submission UI improvements:
  - now insists on a title being specified
  - fixed navigation on file upload page
  - citation & identifier fields for previously published submissions now fixed
- Many Unicode fixes to the database and Web user interface
- Collections can now be deleted
- Bitstream descriptions (if available) displayed on item display page
- Modified a couple of servlets to handle invalid parameters better (i.e. to report a suitable error message instead of an internal server error)
- Item templates now work
- Fixed registration token expiration problem (they no longer expire.)