DSpace Release 1.8.0 Notes

Version 1.8.0

✅ **DSpace 1.8.0 was officially released to the public on November 4, 2011.**

DSpace 1.8.0 can be downloaded immediately at either of the following locations:

- SourceForge: https://sourceforge.net/projects/dspace/files/
- SVN: https://svn.duraspace.org/dspace/dspace/tags/dspace-1.8.0/

Online Documentation is available at: DSpace 1.8 Documentation.

ⓘ **DSpace 1.8.0 is a scheduled, "time-based" release**. In order to decrease delays in releasing new features and increase transparency, the DSpace Developers have scheduled 1.8.0 in advance and are basing its features on what we are able to complete within that timeframe.

Scheduling releases benefits us all as it should decrease the delays in releasing new features, and increase the transparency of the development process. The DSpace Developers feel that these benefits will far outweigh the cost of potentially having fewer major features in a given DSpace release. We hope the DSpace Community will also realize the immediate benefits, which should allow them to receive new features more quickly, rather than potentially waiting years for the next major release of the software. The DSpace Developers hope to continue this trend of "time based" releases with all future releases.

Changes to the DSpace 1.8 Upgrade / Configuration Process

In DSpace 1.8.0, there have been a few significant changes to how you upgrade and configure DSpace. Notably:

- **The dspace.cfg has been "split up":** Many "module" configurations have now been moved out of the 'dspace.cfg' and into separate configuration files in the `[dspace]/config/modules/` directory.
    - Authentication Configurations are now in `[dspace]/config/modules/authenticate*.cfg` files
    - Bulk Metadata Editing Configurations are now in the `[dspace]/config/modules/bulkedit.cfg` file
    - Discovery Configurations are now in the `[dspace]/config/modules/discovery.cfg` file
    - OAI-PMH / OAI-ORE Configurations are now in the `[dspace]/config/modules/oai.cfg` file
    - Solr Statistics Configurations are now in the `[dspace]/config/modules/solr-statistics.cfg` file
    - SWORD (client & server) Configurations are now in `[dspace]/config/modules/sword*.cfg` files
    - *All other DSpace configurations are still in the `dspace.cfg` configuration file.*
- **Behavior of 'ant update' has changed:** The `ant update` upgrade command now defaults to **replacing** any existing configuration files (though the existing configuration files will first be backed up to a file with the suffix `*.old`).
    - In prior versions of DSpace (before 1.8.0), this `ant update` command would leave existing configuration files intact (and you would have to manually merge in new configuration settings, which would be in a file with the suffix `*.new`). If you prefer this previous behavior, you can still achieve the same result by running:
        - `ant -Doverwrite=false update`
    - **WARNING:** If you choose to run `ant -Doverwrite=false update` please be aware that this will not auto-upgrade any of your configuration files. This means you must closely watch the output of this command, and ensure you manually upgrade all configuration files in the `[dspace]/config/` directory as well as all Solr configurations/schemas in the `[dspace]/solr/search/conf/` and `[dspace]/solr/statistics/conf/` directories.

New features in DSpace 1.8

Task: Check for Required Metadata ▼ Perform Queue Return	DS-982, DS-939 More Curation Tools/Plugins Provided by MIT & Others.

	DS-968 Configurable Reviewer Workflow A project that makes Reviewer Workflow more configurable,orthogonal to Curation Tooling. To illustrate the power of the framework, two optional workflows are included: • Assigning a single user to review a submission • Score based reviewing Provided by @mire.
	DS-602 SWORD Client for DSpace Enables DSpace to push/submit content to other SWORD enabled repositories Provided by Robin Taylor of EDINA, University of Edinburgh.
	DS-1005 SWORDv2 Server Module Provided by Richard Jones and Stuart Lewis.
	DS-528 RSS feeds will support richer features, such as iTunes podcast and publishing to iTunesU (see new "webui.feed.podcast.*" settings). Provided by Peter Dietz.
	Discovery Enhancements • **DSCR-22** Discovery back end rewrite to support other back end implementations beside solr for discovery. • **DS-971** Improved discovery configuration which utilizes spring & a config file that is located in the modules dir. • **DSCR-25** New Discovery user interface. Provided by Kevin Van de Velde of @mire.
	DS-964 Rewrite of Creative Commons licensing for XMLUI • Better integrates the Creative Commons licence selection into the submission process • Legacy problem – do we update old license to new or not? Currently MIT runs 'split version' with old licenses looking like old, and new look like new. Provided by MIT.

	DS-749 Reordering of bitstreams. Provided by Kevin Van de Velde of @mire.
	DS-638 Enable virus checking during submission.
	DS-811 Ability to Withdraw/Reinstate/Delete Items in Bulk, via Batch Metadata Editing Provided by Stuart Lewis.
	DS-941 One for the techies. Split up dspace.cfg into smaller more easily managed files. For more info see Upgrading From 1.7.x to 1.8.x

ⓘ For a list of all features/improvement/bugs released in 1.8.0, see the 1.8.0 Version History.

Released as Addons

These addons will be "compatible with 1.8.0", but will require a separate, optional installation.

- DS-876 Replication Task Suite.
- REST API (experimental). Unfortunately didn't receive enough attention for it to be formally released as part of 1.8. However, this is a fully functioning module, although not yet officially supported by the DSpace Committer group. Please see the wiki page for more details and instructions on how to incorporate the module into your local installation.

Postponed for a Future Release

- Core Service and Service Manager Refactorings
    - Asynchronous Release Process Release various modules/addons separate from base install (Mark Diggory/@mire & others)
    - Refactoring ConfigurationManager and PluginManager to use ServiceManager (@mire with others welcome)
- Context Guided Ingest(Richard Rodgers/MIT) – define an interface, where any submission code can write "attributes" and can retrieve those again later on. Can add any new attributes/values that you want for your submission code. Could be serialized to XML (using input-forms.xml) OR have an implementation of that service that stores in DB (recommended). JPA2?
    - would allow for type-based submission processes (e.g. Theses/Dissertations could have different submission steps than articles/papers).
    - based on the Item type based submission patch picked up by Robin Taylor (initially a GSoC project)
- DSpace "Easy" Installer (Tim Donohue)? See DS-802 and Installer Prototypefor more details
    - Perhaps, alongside this, an easier way to "install" plugins/addons (like Curation Tool plugins)??

Organizational Details

Release Coordination

- Release Coordinator: Robin Taylor (EDINA)
- Backup Coordinator: Peter Dietz

Timeline and Proceeding

⚠ It has been decided that DSpace 1.8.0 will be released in Oct 2011. The exact date is still being worked out. What follows is a tentative release timeline - it has changed slightly from its original state, but the final release will still come out sometime in Oct 2011.

- **Very Tentative Release Timeline**(This should not be considered final)
    - August 19, 2011 : Feature Freeze Date
    - September 2, 2011 : Final Documentation "Due Date"?
    - September 9, 2011 : Release Candidate 1 release
    - September 12-23, 2011 : Testathon

- October 19, 2011 : Release Candidate 2 release
- October 20-27, 2011 : Final Testing / Bug Fixing
- October 28, 2011 : 1.8.0 Final Release

- A few definitions:
    - *"Feature Freeze"* - After this date, the feature listing cannot change. All new features must be completed by this date. After this date, the system is being stabilized in preparation for the first "Release Candidate"
    - *"Release Candidate" releases* - These are initial releases **after** all features have been finalized. Features may not change, but bug fixes can be made. They are meant for very broad testing (e.g. Testathon), in order to find & fix any last bugs before the Final Release.

Release Process needs to proceed according to the following Maven release process: Release Procedure