

Proposed RoadMap to 2.0

This page represented a proposed RoadMap to 2.0 from Tim Donohue. It still needs broader discussion/approval before adoption.

This proposal was initially discussed in the DSpace Developers Meeting on March 16, 2011. See the meeting notes for more info about initial discussion.

Overarching Goals / Priorities

The overarching, defining goals of this general 2.0 RoadMap are as follows:

1. Simplify the process of installing & upgrading (make it easier for institutions to stay "up to date" with their installation)
 - As a subpoint, also make steps to simplify configuration/setup, so that more of it can be completed via an Admin User Interface
2. Improve upon the ability to import / export data and generally make data more accessible/usable by external applications/systems (i.e. improve "integration points")
3. Make steps to allow for decentralized support of add-ons, third-party user interfaces, etc. (i.e. make steps to no longer require that all DSpace modules/UIs need to be supported centrally by the Committers)
4. Make steps to enable [DSpace with Fedora Inside](#) as an installation option

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Please note the features listed under each release are only suggestions of priority! It may be that specific tasks/features will end up happening in either an earlier or later release, based on available developer/committer time.

DSpace 1.8.0 (Oct 2011)

The following modifications should be high priority for this release:

1. Initial simplification of Installation/Upgrade processes (see [DS-802](#))
2. Refactoring & modularization, which may include taking initial steps detailed in the following proposals (*Note: the implementation details of these proposals are obviously up for discussion*):
 - a. Begin to [Restructure Trunk Projects](#) and [Asynchronous Release Process](#) - with a goal of ensuring our various applications do not **all** need to be installed out of the box
 - b. Begin [Refactoring the DSpace Domain Model](#) - with a goal of ensuring we begin to separate our data model from underlying data access services (will be necessary to help support move towards Fedora-Inside, while also potentially enabling use to expand support for additional databases, etc)
 - c. Move towards more widespread usage of DSpace 2.0 Services (some examples in this proposal: [Replace DSpace ConfigurationManager and PluginManager](#))
3. Begin to Improve "Interoperability" / Integration points
 - a. Release a beta version of [REST API](#)
 - b. Potentially allow for [AIP Transmission](#) via SWORD?
4. Also release features which just missed 1.7, but seem of high interest. Especially the following (this is not an exhaustive list!):
 - a. Additional [Curation Tasks](#)?
 - b. [Configurable Reviewer Workflow](#) - project that enhances Reviewer Workflow configurability that is orthogonal to Curation Tooling.
 - c. [Context-Guided Ingest](#)?
 - d. SWORD Client for DSpace? - of high interest if we wanted to enable AIP Transmission via SWORD
 - e. Other features listed on [DSpace Release 1.8.0 Notes](#)

DSpace 1.9.0 (TBD - Oct 2012?)

The following modifications should be high priority for this release:

1. Additional Refactoring & Modularization (especially in preparation for "DSpace with Fedora Inside"). This may include the following proposals (*Note: the implementation details of these proposals are obviously up for discussion*):
 - a. Any refactoring that didn't happen in time for 1.8.0
 - b. [Refactor Packagers to support Chain of Command](#) (if it doesn't make it in 1.8.0)
 - c. [Metadata For All](#) - begin to enable metadata on all DSpace Objects
2. Improvements / simplification of DSpace Configuration (perhaps even moving some configs to a DB). Minimally, this needs to simplify the 'dspace.cfg'.
3. Change which Interfaces come "out-of-the-box", and allow others to be optionally installed at a later time (*The following is only meant as an example.*)
 - a. Default install may only include: XMLUI, SOLR, possibly SWORD?
 - b. Change LNI, OAI-PMH, REST and JSPUI to "optional".
 - i. Potentially 'deprecate' support for LNI (or locate external, third-party support for it). Discuss whether any other Interfaces should be similarly deprecated (based on community-wide usage, etc).
 - c. Encourage the community to develop / share / support their own third-party UIs (which potentially could communicate with DSpace via REST API, or via a refactored DSpace Domain Model API).
4. Asynchronous Job Scheduler? (would replace the need to schedule jobs via 'cron' or similar)
5. Any Features/Changes that just miss making it into 1.8.0
 - a. Context Sensitive Help for XMLUI (@mire)

DSpace 2.0 (TBD - Oct 2013?)

1. Support for DSpace with Fedora Inside (will likely require more Refactoring/Modularization to achieve)
2. Any additional refactoring/changes that didn't happen in time for 1.9.0.