DevMtg 2010-09-01

Developers Meeting on Weds, September 1, 2010

Agenda

- JIRA Catch-Up (for first 20 mins or so of meeting) – starting with issue DS-588
  - Search for recent JIRA Issues
- DSpace 1.7 Features/Updates
  - Unclaimed 1.7 Issues/Potential Features in JIRA
  - Documentation now on Wiki at: DSpace Documentation
    - Jeff Trimble is cleaning up with help from Bill Anderson of Georgia Tech. If you'd like to volunteer to help, contact Jeff.
    - Only Committers & Official Doc Gardeners can edit this area. Anyone else can only add Comments to pages.
    - General Plan for 1.7: Official Documentation will be these Wiki Docs, and we'll generate PDF from Wiki (rather than old DocBook).
- Potential **Asynchronous Release Processes** (for DSpace Discovery and possibly REST API)
  - Proposal is to find an easy way to install DSpace addons (where 'addons' are separate Maven Projects, like REST or Discovery) **after** you've already installed out-of-the-box DSpace. This could allow DSpace to move into more of a "plugin" architecture – where initially you'd just install the base DSpace, and later you can install only the addons/plugins that you want.
  - *One Option for Async Releases via Maven:*
    - Mark Diggory had suggested potentially creating Maven Archetypes (templates) which can be used to assist in installation of these 'addons'. We could also create our own Maven Plugin for DSpace to allow us to easily call these archetypes.
    - E.g. In the end, you could run `mvn dspace:install-discovery` to auto-create the `[dspace]/dspace/modules/discovery/` directory and add its dependency the `[dspace]/dspace/modules/pom.xml` (thus Maven would install 'Discovery' the next time you ran `mvn package`).
    - The Maven "dspace:xxxxxx" namespace would be reserved for only "official" addons which you could install on demand. (e.g. 'dspace:install-rest', 'dspace:install-discovery', 'dspace:install-lni', etc.).

- Background Information (for Async Release Process proposal)
  - More info on Maven Archetypes:
    - http://maven.apache.org/guides/introduction/introduction-to-archetypes.html
    - http://maven.apache.org/guides/mini/guide-creating-archetypes.html
  - More info on Maven Plugins (like the "dspace:xxxxxx" example):
    - http://maven.apache.org/guides/introduction/introduction-to-plugins.html
    - http://maven.apache.org/guides/plugin/guide-java-plugin-development.html
    - http://maven.apache.org/guides/mini/guide-configuring-plugins.html
    - http://maven.apache.org/guides/introduction/introduction-to-plugin-prefix-mapping.html

Meeting Notes

JIRA catchup, 1.7 updates (need volunteers!), Async Release Process Discussion

- JIRA catchup – last item reviewed was DS-605
- DSpace 1.7 updates
  - Many unclaimed issues scheduled for 1.7. **We need volunteers!** If you are interested in one of these issues, please claim it in JIRA. If you are a committer & haven't volunteered to help with any issues yet, we'd appreciate it if you could help out (even with just a 1-2 issues).
  - DSpace Documentation now on Wiki at: DSpace Documentation – Still being cleaned up, but all new Doc changes should be made on Wiki.

- Discussion of Async Release Processes
  - Two main goals:
    - Goal 1: to be able to depend on dspace-api independent of official release distro
      - So that dspace-api-1.0.0 <--- addon-1.0.1 <--- dspace-release-1.7.0
      - We are most interested in "deploy time" integration (although compile-time & assembly-time integration could also be nice)
    - Goal 2: needs to avoid extra complexity – must simplify install/upgrades and NOT make them more difficult than they already are.
  - Mark D's suggested approach
    - 1.) not moving the code out of trunk
    - 2.) just changing maven version numbering strategy
    - 3.) releasing modules into same location as... http://scm.dspace.org/svn/repo/dspace/tags/
      - this would mean there would be....
      - http://scm.dspace.org/svn/repo/dspace/tags/dspace-api-1.x.x
      - http://scm.dspace.org/svn/repo/dspace/tags/dspace-xmlui-1.x.x
      - etc...
  - Mark has started prototyping this idea in SVN Sandbox at: http://scm.dspace.org/svn/repo/sandbox/dspace-async-prototype/

Meeting Transcript

- Full IRC Transcript available at - http://www.duraspace.org/irclogs/index.php?date=2010-09-01