Title: Improving DSpace Backups / Migrations by exporting Community/Collection Hierarchy

Abstract:

In the past, backing up your DSpace contents has involved semi-synchronized backups of both your database and your files. Although this procedure generally works fine, it can prove problematic when you suddenly need to restore the contents of a single Community, Collection or Item (both metadata and files). There is also the problem of metadata and content files residing in separate backups – if either one of these backups becomes corrupted, it is nearly impossible to completely restore your DSpace contents.

This talk will introduce a new DSpace feature being developed as part of the DuraCloud integration project. This new feature will allow you to export your entire DSpace Community / Collection hierarchy (including all Items, and their metadata and files) into a series of METS-based packages.   These METS-based packages may be used to restore all of your DSpace contents (into another DSpace), or just the contents of a single Community, Collection or Item.   These packages can also provide a more stable way to backup your DSpace contents, or an additional means of getting content in or out of DSpace.   This work is based on a DSpace plugin built as part of the MIT PLEDGE project; however it has been updated to allow for a complete restore of your DSpace hierarchy.

Presenter bio:

Tim Donohue is a member of DuraSpace and the DSpace Technical Lead. Prior to joining DuraSpace, Tim worked at the University of Illinois on the IDEALS Initiative (http://www.ideals.illinois.edu), based on DSpace software. Along with colleagues from University of Wisconsin-Madison and University of Illinois, he was also of the lead developers for BibApp (http://bibapp.org), an open source campus research gateway and expert finder. Tim has been an active code Committer for DSpace since 2006, and received his Masters in Library and Information Science from the University of Illinois in 2005.

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