Importing Community and Collection Hierarchy

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Community and Collection Structure Importer

This Command-Line tool gives you the ability to import a community and collection structure directory from a source XML file.

Usage

Command used:	`[dspace]/bin/dspace structure-builder`
Java class:	`org.dspace.administer.StructBuilder`
Argument: short and long (if available) forms:	Description of the argument
-f	Source xml file.
-o	Output xml file.
-e	Email of DSpace Administrator.

XML Import Format

The administrator need to build the source xml document in the following format:

```
<import_structure>
        <community>
                <name>Community Name</name>
                <description>Descriptive text</description>
                <intro>Introductory text</intro>
                <copyright>Special copyright notice</copyright>
                <sidebar>Sidebar text</sidebar>
                <community>
                   <name>Sub Community Name</name>
                   <community> ...[ad infinitum]...
                   </community>
                </community>
                <collection>
                   <name>Collection Name</name>
                   <description>Descriptive text</description>
                   <intro>Introductory text</intro>
                   <copyright>Special copyright notice</copyright>
                   <sidebar>Sidebar text</sidebar>
                   <license>Special licence</license>
                   <provenance>Provenance information</provenance>
                </collection>
         </community>
</import_structure>
```

The resulting output document will be as follows:

```
<import_structure>
     <community identifier="123456789/1">
                <name>Community Name</name>
                <description>Descriptive text</description>
                <intro>Introductory text</intro>
                <copyright>Special copyright notice</copyright>
                <sidebar>Sidebar text</sidebar>
                <community identifier="123456789/2">
                        <name>Sub Community Name</name>
                        <community identifier="123456789/3"> ...[ad infinitum]...
                        </community>
                </community>
                <collection identifier="123456789/4">
                        <name>Collection Name</name>
                        <description>Descriptive text</description>
                        <intro>Introductory text</intro>
                        <copyright>Special copyright notice</copyright>
                        <sidebar>Sidebar text</sidebar>
                        <license>Special licence</license>
                        <provenance>Provenance information</provenance>
                </collection>
        </community>
</import_structure>
```

This command-line tool gives you the ability to import a community and collection structure directly from a source XML file. It is executed as follows:

```
[dspace]/bin/dspace structure-builder -f /path/to/source.xml -o path/to/output.xml -e admin@user.com
```

This will examine the contents of *source.xml*, import the structure into DSpace while logged in as the supplied administrator, and then output the same structure to the output file, but including the handle for each imported community and collection as an attribute.

Limitation: import only, no export

- Currently this does not **export** community and collection structures from existing DSpaces, although it should only be a small modification to make it do so