Automating Catalog Record Creation for Locally Digitized Collections
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ABSTRACT
Michigan State University Libraries has been regularly digitizing its selected print collection and providing access to these digital items through the library catalog. Given this constant influx of locally digitized materials, a semi-automated batch process has been created to maximize cataloging efficiency. This process produces catalog records of digital items from two sets of input files prepared by cataloging staff. MARC records of digitized print items extracted from local ILS, and a lookup table consists of OCLC/SkyRiver numbers and filenames of digital items. The AutoIt script will invoke MARCEdit to turn MARC records exported from local ILS into MarcXML and subsequently derive catalog records for digital items using a XSLT stylesheet. During the XSLT transformation, the script will also use OCLC/SkyRiver numbers to look for corresponding filenames and then construct and insert URL into the output catalog records. The output catalog records can either be loaded into cataloging client for manual review, or be directly exported into local ILS using MARCEdit.

Digital & Multimedia Center
- Library's digitization operation
- Chiefly text digitization
- Flatbed, overhead, planetary, & sheetfed scanners
- 2.5 FTE staff, 21 students
- 100,000-150,000 pages/year scanned

Past Cataloging Workflow
- List of titles and URLs prepared by DMC staff
- One-by-one derived by copy cataloging staff

Current Cataloging Workflow
- 2 files prepared by original cataloger
  - MARC records (MRC file) of print monographs
  - OCLC/SkyRiver no. & Filename lookup TXT file
  - Execute AutoIt script to create PN e-monograph records by XSLT
  - Either:
    - Load records into cataloging client for export to cataloging utilities, or
    - Export records into ILS through MarcEdit

Script Components
- AutoIt
  - Automating the Windows GUI of MarcEdit and command-line execution of Saxon XSLT processor
  - MarcEdit
    - File conversion between MRC file and MarcXML
    - XSLT/Schema
    - Print to PN e-monograph MARC record conversion
    - MARC fields to be changed:
      - 030, 040, 090, 300
    - MARC fields to be inserted:
      - 006, 007, GMD, 568, 776, 856
    - 855 created by looking up OCLC/SkyRiver no. in TXT file and retrieving corresponding filename

Future Enhancement
- Automate extraction of print version MARC records
  - To retrieve MARC records through XML server by bib record no.
  - OCLC/SkyRiver no. in conversion table would be replaced by bib record no.
  - Conversion table to be prepared by scanning staff