Sailing the High Seas of Open Access Publishing

With the OJS XML Galley Plugin

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Agenda

• About XML publishing
• OJS and XML
• XML publishing at IU Libraries
• Two case studies
• Migration to new workflows
• Possibilities for the future
What do we mean by XML publishing?
Why do publishers care about XML?
Traditional Publishing Workflow

- Authoring
- Editing
- Typesetting
- Proofreading/corrections
- Printing/e-delivery
XML First

Authoring → Editing → Typesetting → Proofreading/corrections → Printing/e-delivery

XML
XML in the Middle

Authoring

Editing

Typesetting

Proofreading /corrections

Printing/e-delivery

XML
About OJS

- Open source publishing platform
- Developed in 2000 by PKP
- Designed to manage submissions/communications and distribute content
- No built-in document editing capability
XML Support in OJS

- Export tools
  - Citation markup assistant
  - Plugins for CrossRef, DOAJ, PubMed, DataCite, etc.
- Import tools
  - XML galley plugin
XML Galley Plugin

Settings

XSLT Rendering Method :
- PHP 5.0.0+ with XSL functions (libxml)
- PHP 4.3.3+ with XSLT functions (Sailor) Not Available
- External command-line XSLT renderer (eg, Xalan)

Enter the complete path to the XSLT renderer tool, with any required arguments. Use %xsl to substitute the location of the XSL stylesheets file, and %xml to substitute the location of the XML source files; eg:

```
/usr/bin/java -jar ~/java/xalan.jar - HTML -XML %xml -XSL %xsl
```

XSL Stylesheet :
- NLM Journal Publishing DTD → XHTML
- Enable rendering PDF galley using XSL-FO (eg, FOP)

Enter the complete path to the FO processor, with any required arguments. Use %fo to substitute the location of the XSL-FO file, and %pdf to substitute the location of the PDF file; eg:

```
/usr/sbin/fop -fo %fo -pdf %pdf
```

Custom XSL stylesheet

Choose File: No file chosen

File Name: IMH_xhtml_tweaked.xsl Delete

Save Cancel
XML at IU Libraries

- DLXS
  - Wright
  - VWWP
  - Victorian Studies Bibliography
  - IMH Index
XML at IU Libraries

- XTF
  - Newton
  - Swinburne
  - Board of Trustees
  - Bloomington Faculty Council
  - Brevier Legislative Reports
  - VWWP
  - Indiana Authors
  - Wright American Fiction
  - And Indiana Magazine of History!
Indiana Magazine of History History

- First published March 1904
- 4 issues per year, 2-4 scholarly articles, ~10 book reviews, editorial content
- 2006-2008 project
- LSTA Grant
Indiana Magazine of History Workflow
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Indiana Magazine of History Workflow
Indiana Magazine of History Workflow

[Diagram showing the workflow process]
IMH Migration

- 2013 feasibility study
- TEI not touched!
- Metadata cleanup for OJS
- Import and test
Indiana Magazine of History Workflow

[Diagram showing the workflow process with various steps and tools like XTF, TEI, and Fedora.]
OJS XML Workflow
The Medieval Review

• Since 1993
• Publish electronic reviews continuously via email
• Distributed editors and staff
• IUScholarWorks launch in 2009
The Medieval Review Workflow
The Medieval Review Workflow

FileMaker
The Medieval Review Workflow
The Medieval Review Workflow
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The Medieval Review Workflow
The Medieval Review Workflow

FileMaker → XSLT → DSpace
Future Possibilities

• Partner with journal editor to implement JATS XML workflow
  • Transform Word files to JATS XML
    • Simple markup
    • Word template
    • PKP XML Parsing Service (experimental)
    • OJS Word XML to JATS XML plugin (under development, learn more here)
  • Use XML Galley Plugin to publish XHTML and PDF from JATS
    • Sample JATS file
    • Demo
Thanks/Questions

- Historical clip art from University of South Florida’s ClipArt ETC