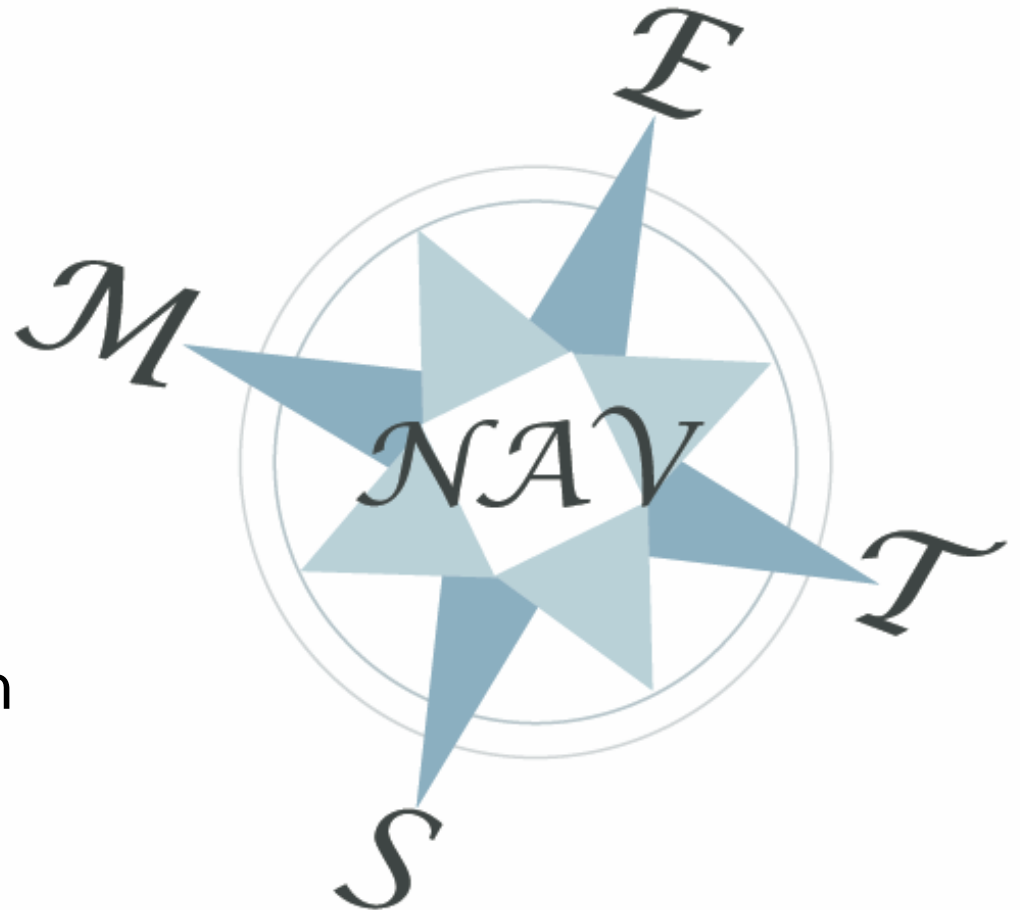


METS Navigator

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Outline

- Overview and history
- Demonstration
- Use of METS
- Technological overview
- Future development and release plans

Overview: What is METS Navigator?

METS Navigator is a METS-based system for displaying and navigating sets of page images or other multi-image digital objects.

Previous page-turning implementations at IU

- DLXS Text Class
 - For text collections
 - Since 2000 (*Wright American Fiction*)
 - Integrates TEI-encoded texts with page images
- Custom-built
 - For [IU Sheet Music](#) project
 - Relies on images present in a certain structure on the file system
- Neither option extensible enough for future collections

Why a new page-turner?

- METS Navigator was built initially to provide access to brittle books digitized by Indiana University Libraries' Preservation Lab
- Recognizing the need for such a tool page-turning tool across digital library projects, METS Navigator was built to be extendible and configurable.

Demo

- [Default Collection](#) (sample brittle books)
- [Jane Johnson Collection](#)
- [Chymistry of Isaac Newton](#)

Metadata needs in interface

League of Nations. Secretariat. The aims, methods, and activity of the League of Nations. Geneva : Secretariat of the League of Nations, 1935.

View full record: [IUCAT](#)

|< << 1 of 224 >> >| [\[view larger image\]](#)

Front Matter

- Title page**
- Verso
- Table of Contents

Body

- Part 1**
 - Chapter 1
 - Chapter 2
 - Chapter 3
 - Chapter 4
- Part 2**
 - Chapter 1
 - Chapter 2
 - Chapter 3
 - Chapter 4
- Part 3**
 - Chapter 1
 - Chapter 2
- Conclusion**
- Part 4**
 - Chapter 1
 - Chapter 2
 - Chapter 3
 - Chapter 4

Back Matter

- Publications
- Preservation colophon

The Aims, Methods and Activity of the

LEAGUE OF NATIONS

League of Nations. Secretariat. The aims, methods, and activity of the League of Nations. Geneva : Secretariat of the League of Nations, 1935. Page 1 of 224

GENEVA 1935

SECRETARIAT OF THE LEAGUE OF NATIONS

|< << 1 of 224 >> >| [\[view larger image\]](#)

Why choose METS?

- Can wrap the structural, descriptive, and administrative metadata necessary for the interface together in one place
- Flexibility in choice of descriptive metadata schema
- Format neutral
- Frequently used for SIPs

Purposes of our METS documents

- Now: Provide metadata needed by page turner
- Later: Long term management of digital library objects in a repository

METS sections for page turning

- <fileSec> <fileGrp USE="screen">
- <fileSec> <fileGrp USE="full">
- <structMap TYPE="physical">
- <structMap TYPE="logical">

METS <div TYPE="">

- Now
 - Show/hide nodes in a structure
 - Flag illustrations within a book
 - Mark blank pages
- Future
 - Indicate a group of objects to be displayed together
 - Specify the scope of navigation
 - Indicate where to find an ID for linking into another application
 - Provide scope for searching?

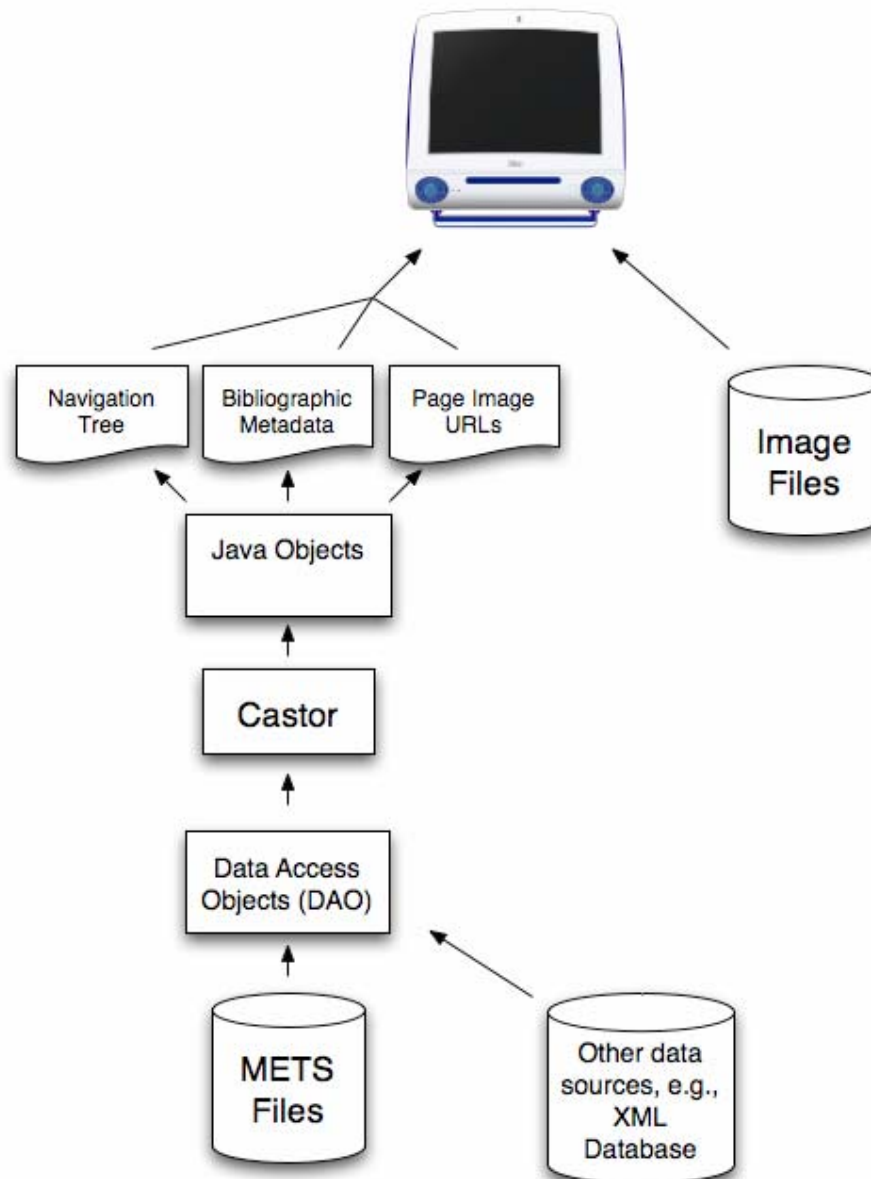
Next steps: Metadata for digital object management

- <metsHdr>
- <fileSec> <fileGrp USE="archive">
- <dmdSec>
- Others
 - techMD
 - rightsMD
 - sourceMD
 - digiprovMD

Technological Overview

- Programming Language: Java (<http://java.sun.com/>)
- Web Application Framework: Struts (<http://struts.apache.org/>)
- Java & XML Data Binding: Castor (<http://www.castor.org/>)
- Build & Deployment Platforms: Ant (<http://ant.apache.org/>) & Tomcat (<http://jakarta.apache.org/tomcat/>)

Application Structure



metsnav-config.xml

- [metsnav-config.xml](#)

Release and Distribution Plans

- METS Navigator will be released as an open source project under an IU "BSD-like" license and available from SourceForge
- Distribution will include small, sample collection and multiple display configurations
- Distribution will include both .war Web application and .jar library
- Anticipated release date: May 31, 2005

Future plans

- User testing
 - For end-users
 - For implementers
- More flexible display of descriptive metadata
- Increased configurability of layouts
- Development of "METS Builder" tools
- Based on user feedback and emerging best practices, continue to revise METS requirements and expectations

Contact Info

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