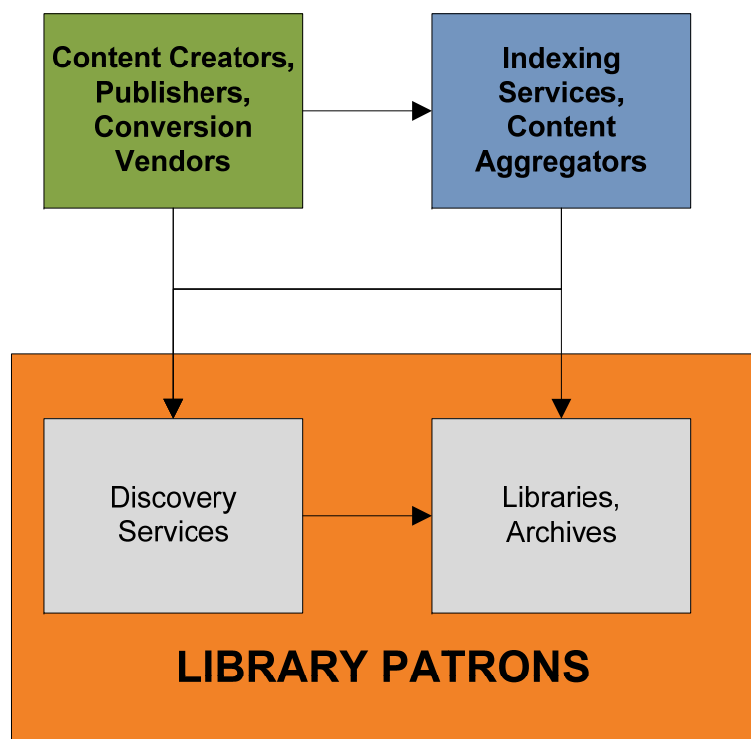


The Problem

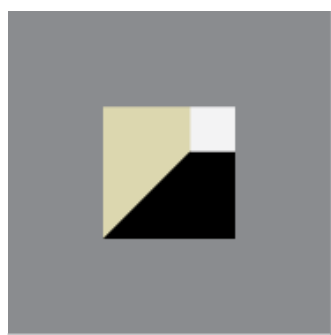


- Across the supply chain, serial content, packaged in files, is exchange multiple times during the lifecycle of the content
- Extensive variety in the packaging and description of the files during transmittal contributes to:
 - Cost inefficiencies
 - Delayed availability of content
 - Poor quality
 - Completeness of content
 - Discoverability of content

Protocol for Exchanging Serial Content (PESC)







PORTICO

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Protocol for Exchanging Serial Content (PESC)

A Recommended Practice of the
National Information Standards
Organization

Auspices of the NISO Content and Collection
Management (CCM) Topic Committee

Jean-Baptiste Bertrand, Chargé de système d'information documentaire – Cléo

Mark Donoghue, IEEE Publishing Technology

Beth Friedman, Data Conversion Laboratory, Inc.

Leslie Johnston, Co-chair, National Archives and Records Administration

Laurie Kaplan, SerialsSolutions/ProQuest

Amy Kirchhoff, ITHAKA/JSTOR/Portico

Andrea Kudzia, Cengage

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Oliver Pesch, EBSCO

Laura Randall, National Library of Medicine

Gabriele Schaefer, Springer

Henning Schönenberger, Springer

David Schott, Copyright Clearance Center, Inc.

Linda Sussman, Cold Spring Harbor Laboratory Press

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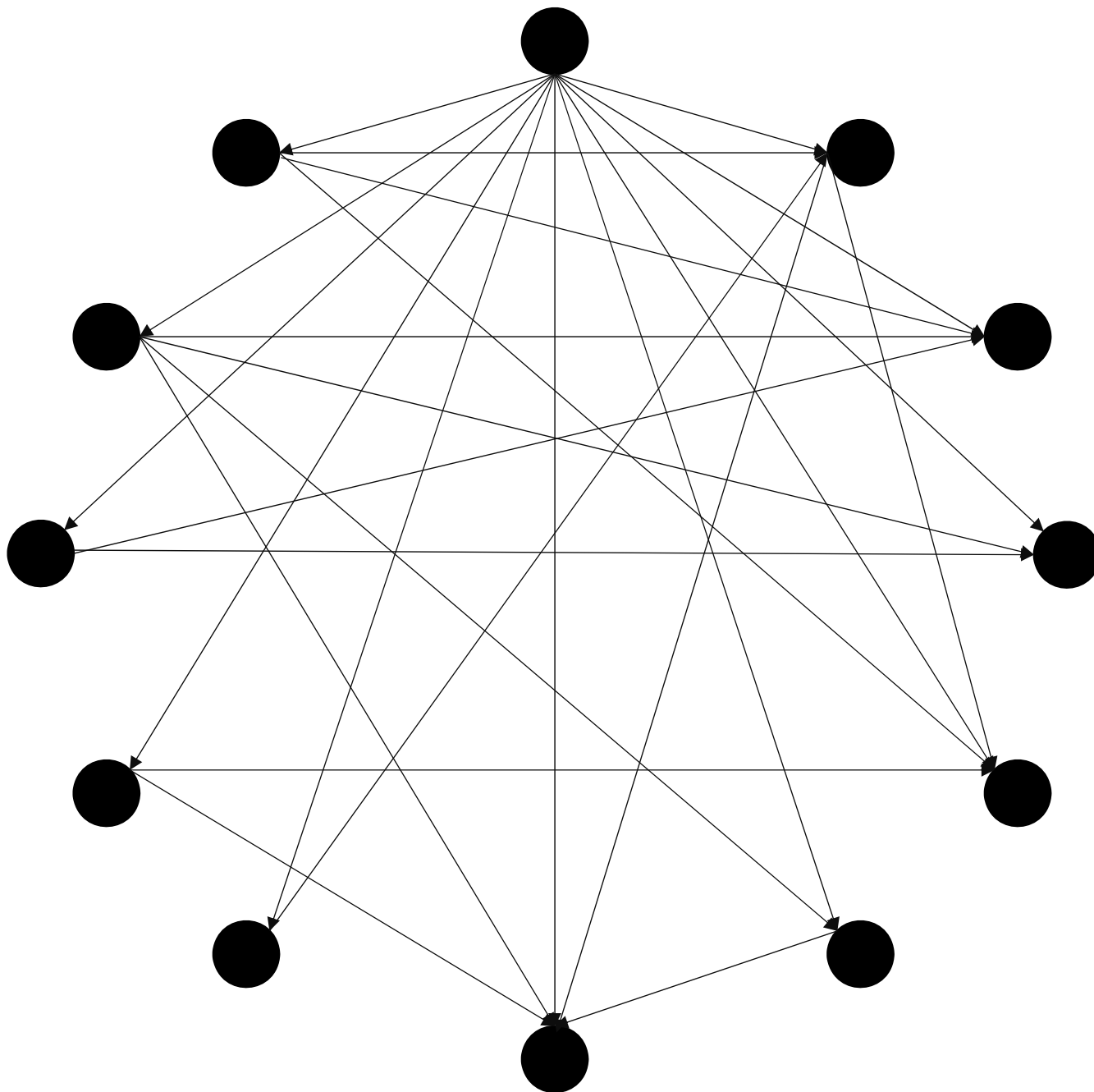
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The recommendations in this document offer guidance to members of the scholarly communication community on preferred practices for the packaging and exchange of serial content that will enable the automation of processes to receive and manage serial content at scale. By following these practices, organizations can make it clear what content has been transmitted, how it is organized, and what processing is required when a new package is received.

Recommendations

Manifest file

Structure of packages

Package format

Exchanging packages

Conformance levels

Conformance Levels

- 0 Manifest file must contain:
 - Files in the package
 - Relative location of files
 - Serial item identifier

- 1 Manifest file must also contain:
 - Media type for files
 - Checksum and checksum type
 - Relationship to other files in package

- 2 Package must also contain:
 - Metadata files
 - Publication info

Guidelines

Material Inclusion/Exclusion

Validation

File Naming

Consistency

- Consistency in File Naming
- Consistency of Delivered File Types
- Consistency with Serial Item Identifiers



As a simple Zip package

ZIP file: XYZv.18i4-08161021-1469331.zip

- ↳File: manifest.xml
- ↳Dir: ISSN-A_v1n1
 - ↳Dir: ISSN-A_v1n1_DOI1
 - ↳ Dir: graphic
 - ↳File: DOI1.fig0001t.jpg
 - ↳File: DOI1.fig0001f.jpg
 - ↳File: DOI1.fig0002t.gif
 - ↳File: DOI1.fig0002f.jpg
 - ↳ File: DOI1.pdf
 - ↳ File: DOI1.xml
 - ↳Dir: ISSN-A_v1n1_DOI2
 - ↳ Dir: suppl
 - ↳File: DOI2.suppl00001.pdf
 - ↳File: DOI2.suppl00002.pdf
 - ↳ File: DOI2.pdf
 - ↳ File: DOI2.xml
 - ↳Dir: ISSN-A_v1n1_DOI3
 - ↳ Dir: graphic
 - ↳File: DOI3.fig0001f.jpg
 - ↳ File: DOI3.pdf
 - ↳ File: DOI3.xml
- ↳Dir: ISSN-B_2014

As a BagIt package

Bag ZIP: XYZv18i4.20140916.zip

- ↳File: bagit.txt
- ↳File: manifest.txt
- ↳Dir: data
 - ↳Dir: ISSN-A_v1n1
 - ↳Dir: ISSN-A_v1n1_DOI1
 - ↳ Dir: graphic
 - ↳File: DOI1.fig0001t.jpg
 - ↳File: DOI1.fig0001f.jpg
 - ↳File: DOI1.fig0002t.gif
 - ↳File: DOI1.fig0002f.jpg
 - ↳ File: DOI1.pdf
 - ↳ File: DOI1.xml
 - ↳Dir: ISSN-A_v1n1_DOI2
 - ↳ Dir: suppl
 - ↳File: DOI2.suppl00001.pdf
 - ↳File: DOI2.suppl00002.pdf
 - ↳ File: DOI2.pdf
 - ↳ File: DOI2.xml
 - ↳Dir: ISSN-A_v1n1_DOI3
 - ↳ Dir: graphic
 - ↳File: DOI3.fig0001f.jpg
 - ↳ File: DOI3.pdf
 - ↳ File: DOI3.xml

Google

protocol for exchanging serial content|

Google Search

I'm Feeling Lucky