



New pathways for resource description and interoperability

Innovative strategies from the Share Family Ecosystem

Charleston Conference 2024, November 14th

<https://www.share-family.org/>

<https://wiki.svde.org>

info@svde.org

Summary

- ✓ Welcome
- ✓ Shared Infrastructure
- ✓ Share VDE / FOLIO Integration
- ✓ Fitting Share into Local Workflows

PART 1 - Shared Infrastructure



The Share Family Linked Data Ecosystem



The Share Family is a global community built on collaboration that brings together libraries, archives, museums, consortia and Library Service Platforms (LSPs) to join their knowledge in an ever-widening network of interconnected bibliographic data.

For further details please refer to <https://www.share-family.org> and [the dedicated Share-VDE wiki section.](#)

Share Family - Linked Data Ecosystem: Principles



CO-OPERATIVE

Developed and driven by libraries, for libraries, the Share Family is a growing international community built on collaboration. Participating institutions play an active role in defining the vision, aims and progress of the Share Family and its tools.

The Share Family opens the door to a flexible, sustainable, interoperable and co-operative approach to resource description, with time, expertise and costs shared across the community for the benefit of all members.



SUSTAINABLE



INTEROPERABLE

By implementing the RDF-based BIBFRAME data model and facilitating interoperability with different data models and data pools, resource description can be transformed into Linked Data, increasing the visibility of research and encouraging greater engagement with library, archive and museum collections.

We strive to encourage open access to data, and support diversity by freely sharing information. We apply and support open metadata policies as part of our commitment to enhancing the discovery of library and cultural heritage resources.



OPEN



FLEXIBLE

Enriched and structured data can be re-used in local and external systems, across library types and ILS/LSPs, enabling each institution to maintain control of its own catalogue data.

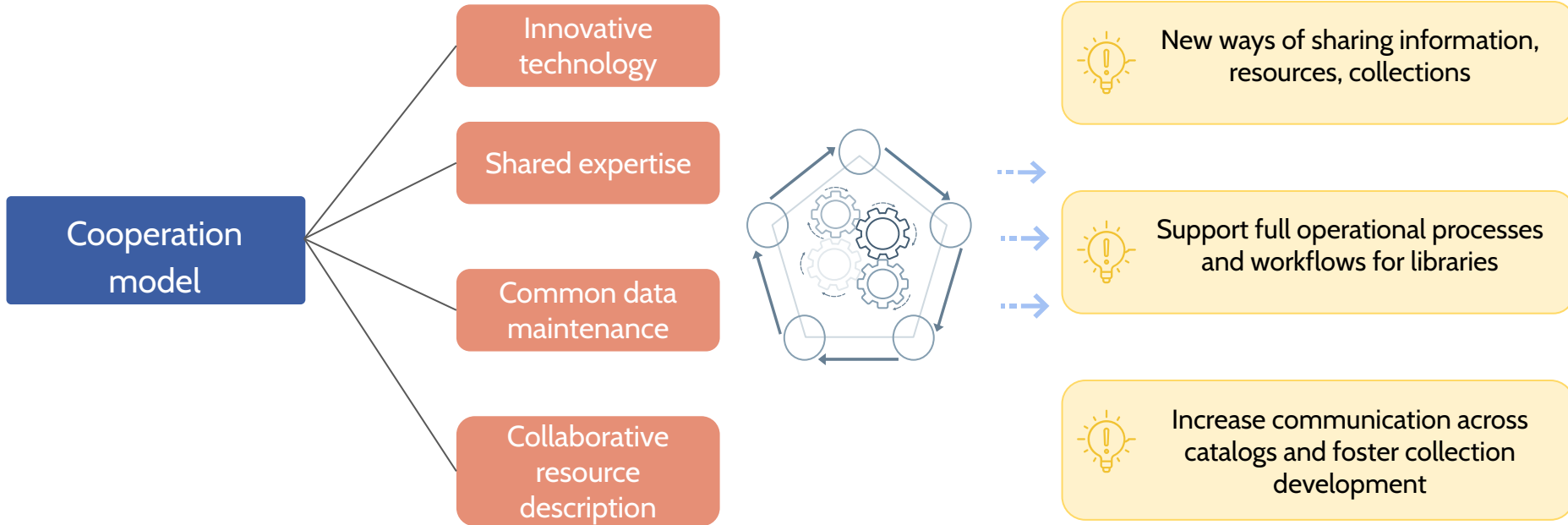
The quality of data is guaranteed both through advanced technical processes and through collaborative data modeling, enrichment and sharing, handled collectively by member organizations.



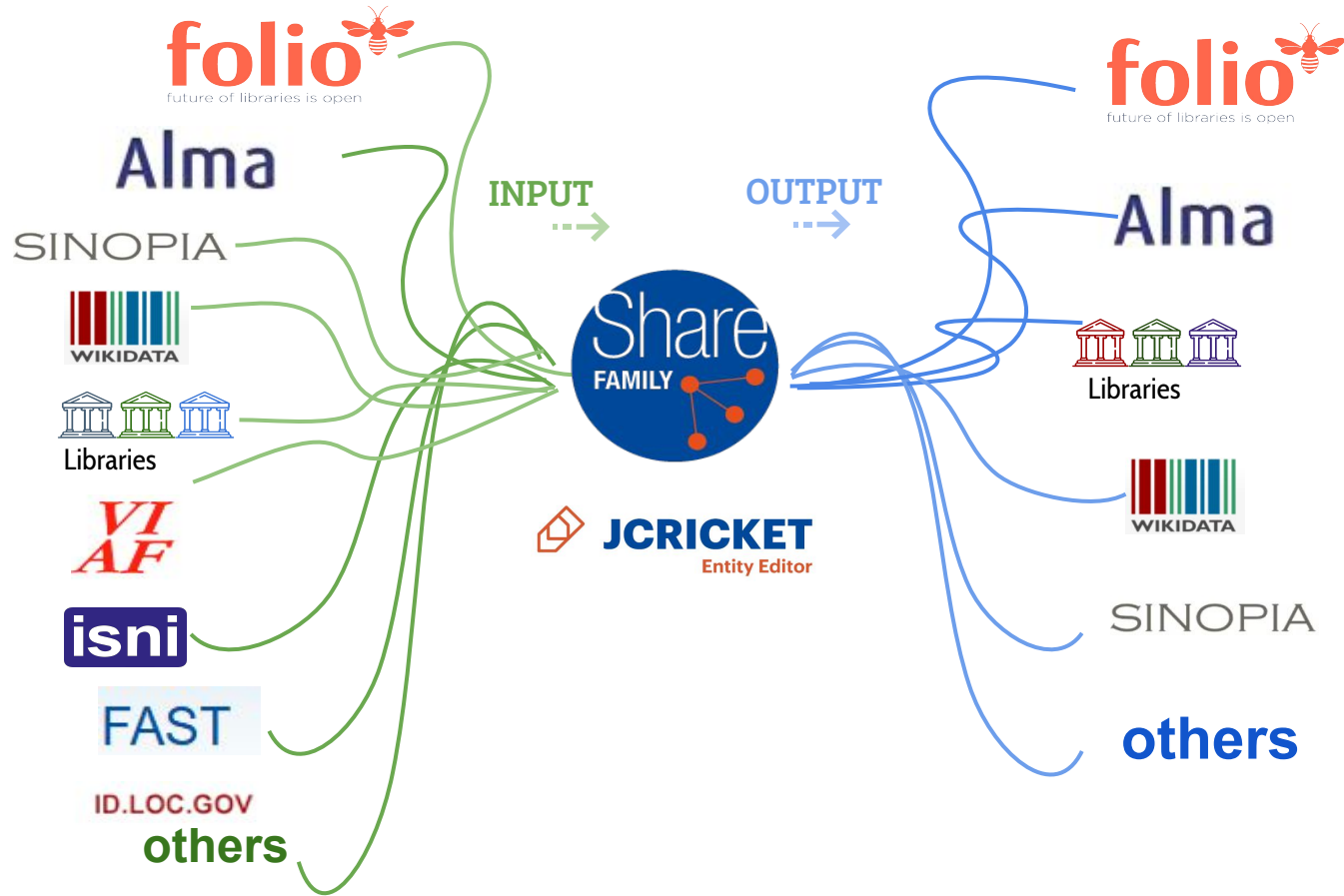
AUTHORITATIVE



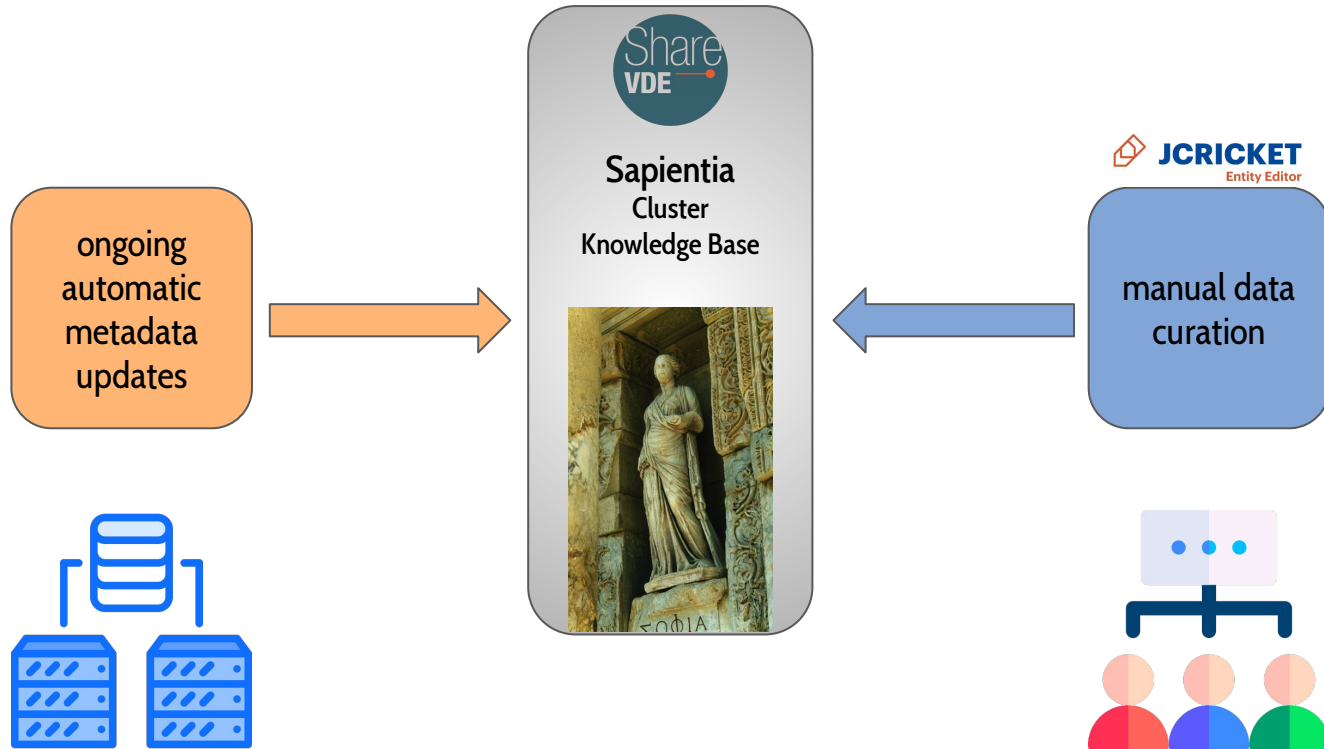
Vendor-neutral shared infrastructure



Integration with third parties



The Cluster Knowledge Base as a source of living data



JCricket Editor - The Entity Management System

JCricket is an entity editor that carries out the transition from Marc to a real Entity Management System.

JCricket acts on the entity database (CKB) created through Entity Resolution and clustering processes

"The more the merrier" it's a perfect vision in a collaborative community. But each library has also local needs: the architecture of JCricket allows to operate locally or centrally, creating a collaborative group that does not forget local specificities.

The screenshot displays the JCricket Editor interface for editing the entity 'Isaiah Thomas'. The top navigation bar shows 'Share-VDE' and 'Isaiah Thomas > Edit'. A red banner indicates a 'Manual review needed' for a cluster. The main content area is divided into two panels: 'Cluster metadata' and 'Connected external IDs'. The 'Cluster metadata' panel contains a table with columns for Source, ID, Name, Birth, Death, and Confidence. The 'Connected external IDs' panel shows a search for 'Isaiah Thomas' and lists several external identifiers with their respective sources and confidence levels. A detailed view of the 'Wikidata' entry is shown on the right, including a photo and biographical information.

Source	ID	Name	Birth	Death	Confidence
OCLC	021312261	Isaiah Thomas	1989		Manually added
VIAF	01568403	Isaiah Thomas	1989		Automatic
LC	0925663	Isaiah Thomas	1989		Automatic
Wikidata	05532223	Isaiah Thomas	1773	1819	Automatic

Connected external IDs

Name	Source	ID	Confidence
Isaiah Thomas (or Isaiah Thomas)	American basketball player	021312261	
Isaiah Thomas (or Isaiah Thomas, Sr.; I. Thomas; I. T. T.)	Massachusetts writer, publisher and journalist	1749-1831	01568403
Isaiah Thomas (or Isaiah Thomas, Jan.; I. Thomas, Jan.)		05532223	

Wikidata entry details:

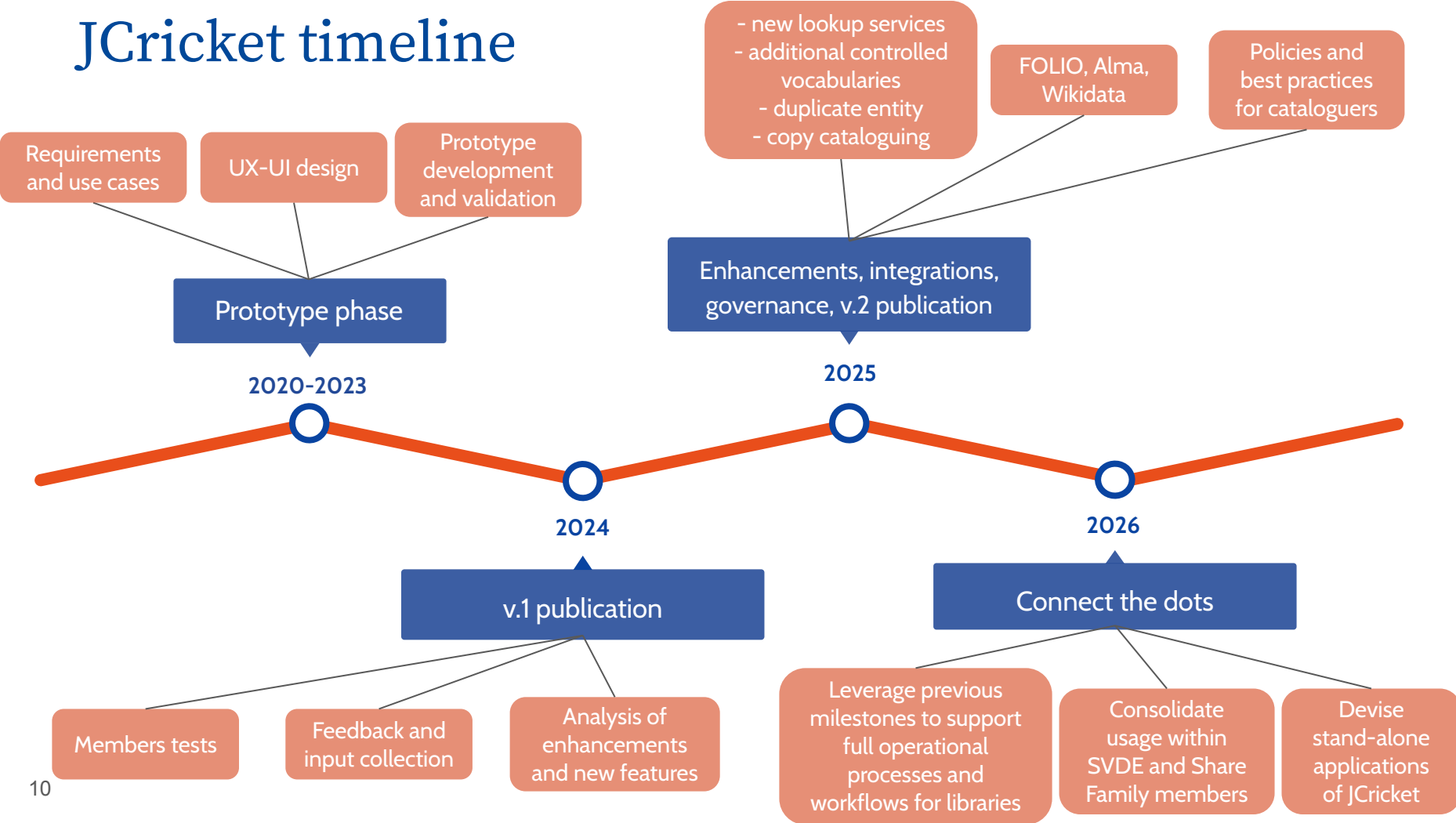
- Name: Isaiah Thomas
- Aliases: American basketball player, 021312261
- Sex or gender: Male
- Country of citizenship: United States of America
- Place of birth: Tallahassee, Florida
- Place of death: Tallahassee, Florida
- Occupation: Basketball player
- Position played on team / speciality: Shooting guard

APPLICATION

JCricket Editor

- Collaborative tool for manually updating and modifying linked data entities

JCricket timeline



Governance: by libraries, for libraries

Community policies
for shared tools

The screenshot shows the ShareVDE Beta Editor interface. The top navigation bar includes 'ShareVDE BETA', 'Dashboard', 'Explore Lewis Carroll', 'Simple search lewis carroll', 'Advanced search', and 'Editor Lewis Carroll'. The main content area is divided into two panels. The left panel, titled 'Overview', shows a sidebar with 'Lewis Carroll' and sections for 'Basic info' (Agent type, Name, Birth year, Death year, Birth place, Death place) and 'Other' (Alternative names, Notes, Occupation, First name, Last name). The right panel, titled 'Lewis Carroll', shows 'Metadata', 'External IDs', and 'Logs' tabs. Under 'Basic info', there is an 'Agent type' field with a dropdown menu showing 'Person' (http://vat3-base-svde.atcult.it/agentTypes/Person). Below this are fields for 'Name' (Carroll, Lewis) and 'English'.

Best practices for
cataloguers

Piloting JCricket Entity
Editor for shared
cataloguing

Governance: open data policies



Share-VDE Open Metadata Policy

Approved by the Share-VDE Advisory Council on March 15th 2023

Share-VDE strives to encourage open access to data, and support diversity by freely sharing information. We are committed to making our metadata as open as possible to enhance the discovery of library and cultural heritage resources and allow users to repurpose metadata with clearly defined license conditions.

- Share-VDE data, including participant data hosted by Share-VDE may be used under an CC0 license unless expressly stated otherwise.
- Listed below are tenants adhering to other open data policies:
 - PCC Data Pool: [CC BY-NC 4.0](#)If using data from one of these tenants, one must attribute the source of the metadata as outlined in the appropriate policy.

Share-VDE data are hosted and maintained by supported systems, which also benefit from the network effects of a data quality community. The Share-VDE Open Metadata Policy ensures access to Share-VDE data to the wider community. The Share-VDE Open Metadata Policy does not give access to tools and services developed by the Share-VDE membership.

For further information on Share-VDE please see our [Executive Summary](#).

The communities of institutions that form the Share Family and leverage its LOD Platform technology freely decide how they want to reuse the data output from the LOD Platform.

As an example, SVDE adopted an Open Metadata policy

<https://bit.ly/SVDE-Open-Metadata-Policy>.

This topic strongly resonates within Share Family and SVDE communities → ongoing discussion to revise the SVDE Open Metadata Policy and state the option for open data more explicitly.



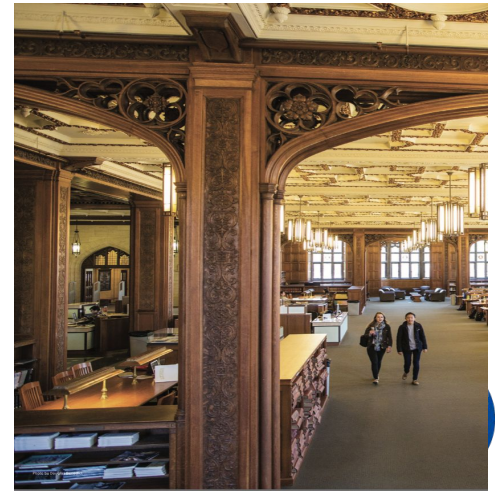
Use cases for open data policies

1. Build new applications, services, and aggregations to meet new and evolving needs
2. Analyze metadata and library resource use to optimize preservation, collection development, collection analysis, resource sharing, and discovery
3. Enhance resource sharing that reduce costs, improve researcher experience and efficiency
4. Manage collaborative collection lifecycle
5. Partnering to build, manage, transform, and enhance metadata across libraries, archives, museums and repositories
6. Improve collaborative resource description and expand authoritative data across disciplinary silos

PART 2 - Share-VDE / FOLIO Integration



Lehigh University Library



Lehigh Project Team

Lisa McColl, Head of Metadata Services

Maccabee Levin, Senior Application Developer

Erin Kloss, Intern

Boaz Nadav Manes, University Librarian



Share-VDE / FOLIO Integration (Lehigh, Index Data, @Cult)

LEHIGH UNIVERSITY | Home | All My Photos | Recently Added | Search | Contact

Home » Lehigh Memories » Rodale Collection

The Rodale Collection features a variety of materials, including books by J.I. Rodale, health and lifestyle magazines like Men's Health and Women's Health, and specialized gardening and landscaping books. The collection is organized on library shelves, with some items in binders and folders.

Research questions

Will this approach actually reduce the work of original cataloging and catalog maintenance for a collection like this?

Will Share-VDE's four tiered ontology create clusters for the works and their translations under the Share-VDE Opus?

How can work in a shared cataloging environment for Linked Open Data (like Share-VDE) be integrated into bibliographic workflows that are still largely based on the exchange and careful curation of MARC records?

What are the strengths and weaknesses of FOLIO as a platform for these kinds of hybrid workflows?



Early Observations

- *“Working with linked data in JCricket is not more complicated than working with MARC, it is just different. Overall, I am excited for the possibilities.”* – Erin Kloss, LIS Student
- Creating first the Instance, then Work, and last the Opus seems to be the smoothest workflow.
- The clustering of multiple translation under a single Opus seems to be happening the way we hoped.

Next steps: BIBFRAME and MARC side-by-side in discovery?



[Abs daiöt'ü : paessal chipchŭng kongnyak 6-chu p'ürogŭraem /](#)

Abs 다이어트 : 뱃살 집중공략 6주 프로그램 /

by [Zinczenko, David](#), [Spiker, Ted](#)

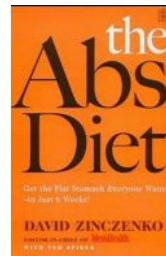
Published 2004

Call Number: Rodale 613.712 Z77a Korean 2004

Located: Goodman 125 - Room 101a

[Print Book](#)

[Available](#)



Translations

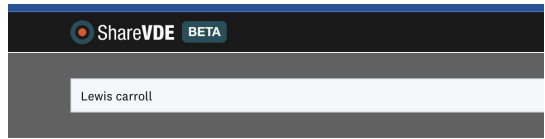
Arabic
Chinese
French
German
Korean



As an external observer:

- Emphasized the multiple roles of bibliographic description
- Potential role of work/opus in collection management, description, and discovery

JCricket Entity Editor for shared cataloguing



All results (6) + People and organizations (1) + Original works (5)

6 results found

+ Person

Lewis Carroll

English writer, logician, Anglican deacon and photographer (1832-1898). Born in Daresbury, Cheshire, England.

+ Original work

Alice's adventures in Wonderland

Novel written by [Lewis Carroll](#) in 1865.

+ Original work

Music in art

Journal published by [Lewis Carroll](#), [Alfred Ludlow Carroll](#), and [Charles Lutwidge Dodgson](#).



[Wikimedia Commons](#)

+ Person

Lewis Carroll

English writer, logician, Anglican deacon and photographer (1832-1898). Born in Daresbury, Cheshire, England.

Charles Lutwidge Dodgson's works are Alice's Adventures in Wonderland, Alice's Adventures in Wonderland (play, logic, and fantasy; H. G. Wells), and Alice's Adventures in Wonderland (novel). - [Wikipedia](#)

Editor Options

Edit CTRL+ALT+T

Add to my merge list ALT+SHIFT+M

Copy URI for this page

<https://svde.org/agents/201> Copy

Download the page in these formats

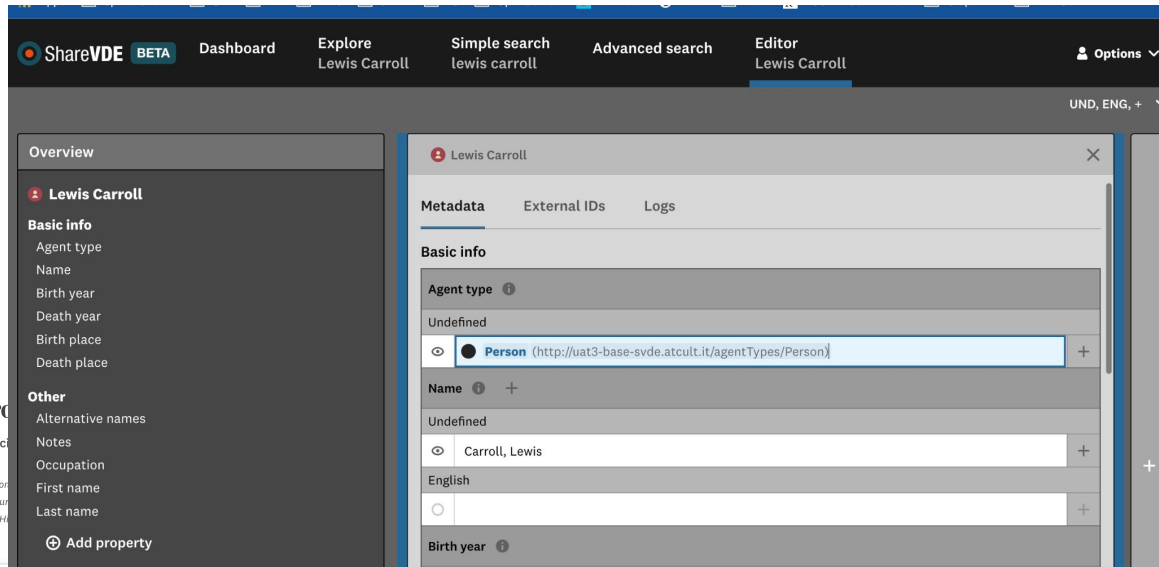
json

More information related to this person on other websites

[wikidata record](#)

[isni record](#)

[viaf record](#)



Step 1: Search on Share-VDE Main Portal

Step 2: Enter the entity details page

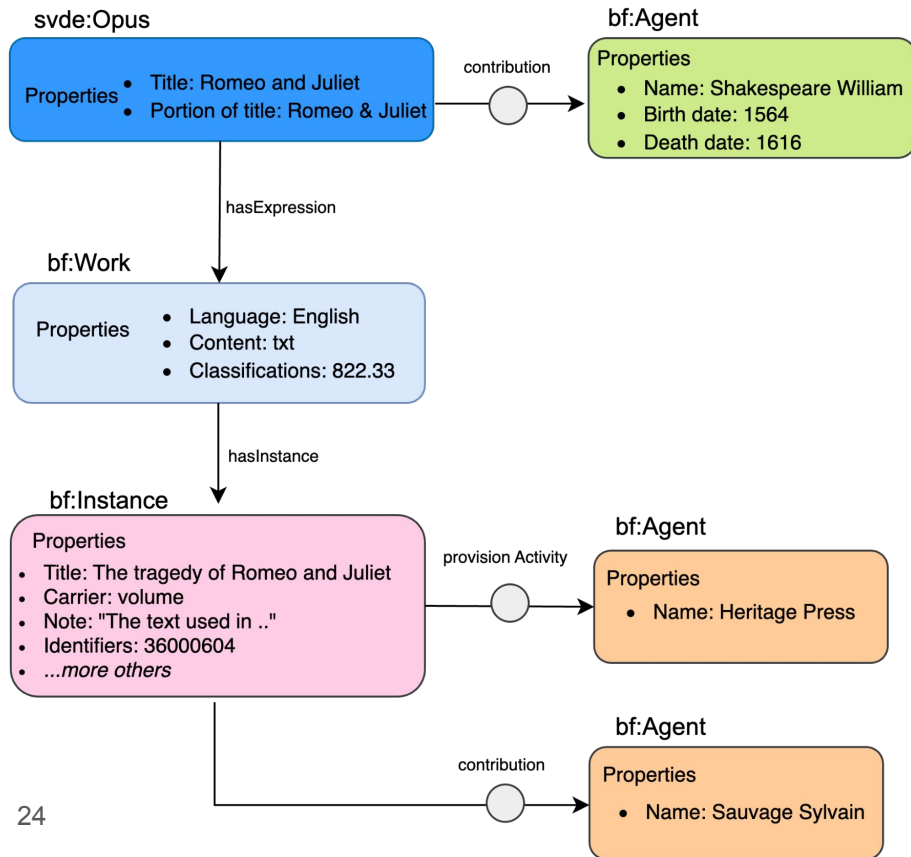
Step 3: Click on the edit action and enter the JCricket UI



JCricket: enhance data quality and authority control

The screenshot displays the ShareVDE interface for a person profile. At the top, navigation options include 'ShareVDE BETA', 'Explore Pietro Aretino', 'Simple search aretino', 'Advanced search', and 'Editor'. The profile for 'Pietro Aretino' is shown, including a portrait and a biographical summary: 'Italian author, playwright, poet, satirist, and blackmailer (1492-1556). Born in Arezzo. Died in...'. An 'Editor options' menu is open, listing actions such as 'Edit' (CTRL+ALT+T), 'Add to my merge list' (ALT+SHIFT+M), and 'Copy URI for this page' (https://svde.org/agents/254). Below this, there are options to 'Download the page in these formats' (.json) and 'More information related to this person on other websites' (wikidata record, viaf record, isni record). On the left, a section titled 'Original works by' shows a search filter and '4 results', with a table listing one result: '1 Edizione nazio...'. The ShareVDE logo is in the bottom right corner.

The complexity of a graph meets the FOLIO Instance



Instance • The tragedy of Romeo and Juliet • 1935
sf10146 • Last updated: 9/25/2024

Instance record (text) Collapse all

The tragedy of Romeo and Juliet

Add holdings

Administrative data

Record last updated: 9/25/2024 12:12 PM

Instance HRID	Source	Cataloged date
sf10146	SF-LD	2024-09-11 16:11:49

Instance status term	Instance status code	Instance status source
-	-	-

status updated
9/25/2024, 12:12 PM

Mode of issuance

-

Statistical code type	Statistical code
-	-

Administrative note

-

Title data

Resource title
The tragedy of Romeo and Juliet

Alternative title type	Alternative title
Other title	Romeo & Juliet
Uniform title	Romeo and Juliet

Index title
The tragedy of Romeo and Juliet

svde:Opus

JCricket

SVDE

Original work ⓘ

Romeo and Juliet

More options ▾

Publications of this

1 result

Sort by (A - Z) ▾

1 **The tragedy of Romeo and Juliet (Volume in English, published in 1935.)**

Contributors:

Sauvage, Sylvain (illustrator)

The screenshot shows the JCricket application window titled "Romeo and Juliet" (tragedies (drama)). The address bar displays the URL <https://svde.org/opuses/1724399503899>. The main content area is organized into sections: "Opus type" (empty), "Titles" (containing "Romeo and Juliet" with language "English (ENG)"), and "Contributor" (containing "Shakespeare, William" with role "Author (AUT)").

svde:Opus

- Properties
- Title: Romeo and Juliet
 - Portion of title: Romeo & Juliet



svde:Work

SVDE

Shakespeare, William > "Romeo and Juliet" > English. (Text)

Work ⓘ

Romeo and Juliet. English (text)

The bf:Work related to original work "Romeo and Juliet". Text. English.

DDC numbers: 822.33

More options ▾

Instances of

1 result

No.	Title	Publication year	Format	Contributors
1	The tragedy of Romeo and Juliet		Volume	Sauvage, Sylvain (Illustrator)

JCricket

Romeo and Juliet. English. (Text)

Metadata External IDs Logs

URI
https://svde.org/works/1724399503903

Instance

Instance ⓘ
[The tragedy of Romeo and Juliet](#) (https://svde.org/instances/1724399503909)

Core attributes

Language ⓘ
English (https://svde.org/languages/eng)

Content type ⓘ
Text (https://svde.org/forms/txt)

Year ⓘ

Contributors

svde:Work

Properties

- Language: English
- Content: txt
- Classifications: 822.33



bf:Instance

Shakespeare, William > Romeo and Juliet > English. (Text) > "The tragedy of Romeo and Juliet" (1935 edit...)

Publication

The tragedy of Romeo and Juliet

Volume. Published in English in 1935 in New York City.

Contributors

[Sauvage, Sylvain](#) (illustrator)

Identifier: p1724399503909

Notes: "The text used in this edition is ... based upon 'the authorized version' of 1599, and is used as the 'Romeo and Juliet' volume in the Temple Shakespeare."--4th prelim. leaf.

System control number: (DLC) 36000604, (OCoLC)3791465

[Borrow a copy at LEHIGH](#) More options

Related agents

1 result

No.	Name	Type
1	Sauvage, Sylvain	Person

SVDE

bf:Instance

Properties

- Title: The tragedy of Romeo and Juliet
- Carrier: volume
- Note: "The text used in .."
- Identifiers: 36000604
- ...more others

"The tragedy of Romeo and Juliet" (1935 edition)

Metadata External IDs Logs

URI	https://svde.org/instances/1724399503909
Publication type	
Title and responsibility statement	Title The tragedy of Romeo and Juliet
Contributors	Contributor
	Heritage Press (https://svde.org/agents/1724399503961) Publisher (PBL)
	Sauvage, Sylvain (https://svde.org/agents/1724399503967) Illustrator (ILL)
Publication attributes	Place of publication
	New York City (https://svde.org/places/5128581)
	Year of publication
	1935
Media carrier attributes	Carrier type
	Volume (https://svde.org/formats/nc)
Notes	Note
	"The text used in this edition is ... based upon 'the authorized version' of 1599, and is used as the 'Romeo and Juliet' volume in the Temple Shakespeare."--4th prelim. leaf.
IDs	Record control number
	sf1724399503909

JCricket

bf:Agent

SVDE

Person ⓘ

Shakespeare, William

Born in 1564 in Stratford-upon-Avon. Died in 1616 in Stratford-upon-Avon.

More options ▾

Original works by

1 result

No.	Title	Year	Genre	Creators
1	Romeo and Juliet		Tragedies (Drama)	Shakespeare, William (author)

Shakespeare, William

Metadata External IDs Logs JCricket

URI	https://svde.org/agents/1724399503975
Agent type ⓘ	Person (Person)
Name information	Name ⓘ + Shakespeare, William
Biographical information	Birth date ⓘ 1564
	Death date ⓘ 1616
	Place of birth ⓘ Stratford-upon-Avon (https://svde.org/places/1724399503988)
	Place of death ⓘ Stratford-upon-Avon (https://svde.org/places/1724399503988)

+ Add property

bf:Agent

Properties

- Name: Shakespeare William
- Birth date: 1564
- Death date: 1616



PART 3 - Fitting Share into local workflows

Share as a model of bibliographic infrastructure



Automatically create/update Inventory Instance in FOLIO

The screenshot displays the FOLIO interface, divided into three main sections: Search & filter, Inventory search results, and Instance details.

Search & filter: Includes a search bar with the keyword 'romeo', a 'Search' button, and a list of filter categories such as Effective location (item), Language, Resource Type, Format, Mode of issuance, Nature of content, Staff suppress, Suppress from discovery, Statistical code, Date created, Date updated, Instance status, Source, and Tags.

Inventory: Shows 1 record found for 'The tragedy of Romeo and Juliet' by Shakespeare, William, 1564-1616; Sauvage, Sylvain.

Instance details: Shows the instance record for 'The tragedy of Romeo and Juliet' (Instance HRID: sf1724399503909, Source: SF-LD, Cataloged date: 2024-09-09 11:47:33). It includes sections for Administrative data, Mode of issuance, Statistical code type, Administrative note, Title data, and Resource title.

Instance HRID	Source	Cataloged date
sf1724399503909	SF-LD	2024-09-09 11:47:33

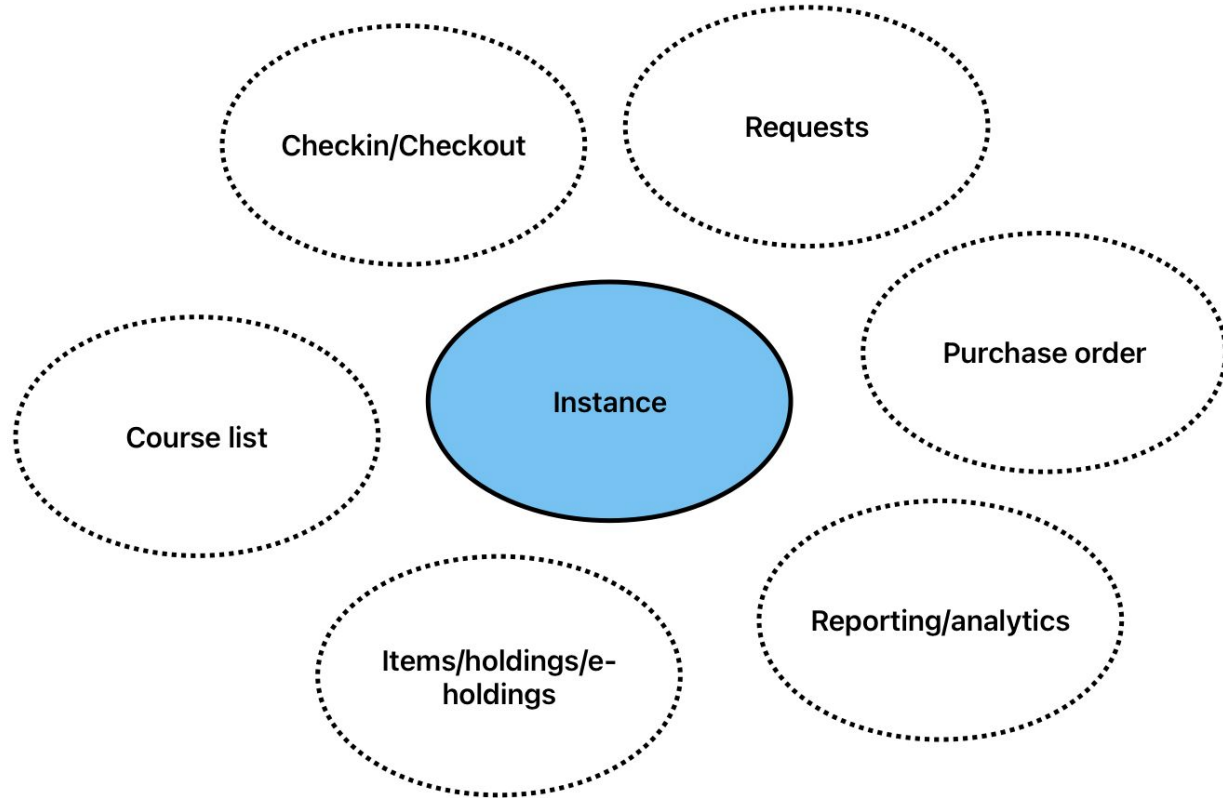
Instance status term	Instance status code	Instance status source
-	-	-

Statistical code type	Statistical code
-	-

Alternative title type	Alternative title
Portion of title	Romeo & Juliet
Uniform title	Romeo and Juliet

Realit

Apps that refer to instances



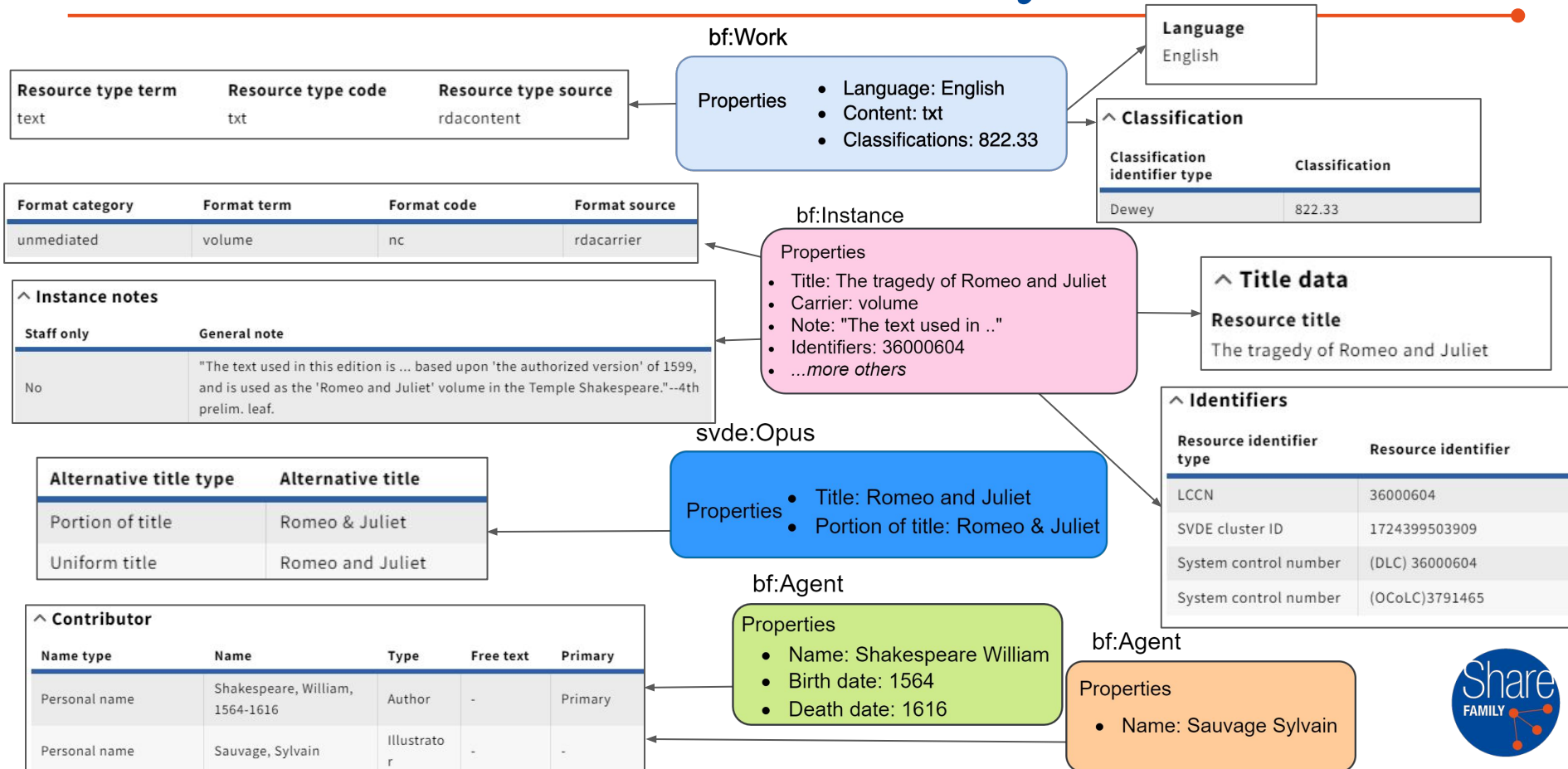
FOLIO was
infrastructu

But what do
infrastructu

Non-e
Open
Open

Share-VDE
shared LOD

From SVDE entities to Inventory instance



It's getting real!

Linked Data in libraries has been an abstract, nebulous thing of the future for a long time, but it is becoming real

We have much to gain, but the greatest risk is to allow linked data for libraries to become another walled garden or a series of disjointed silos

I think the most important story about Share is about accountability and governance

Share-VDE - FOLIO integration





Pilot integration in progress with Lehigh University (Share-VDE member and FOLIO adopter)

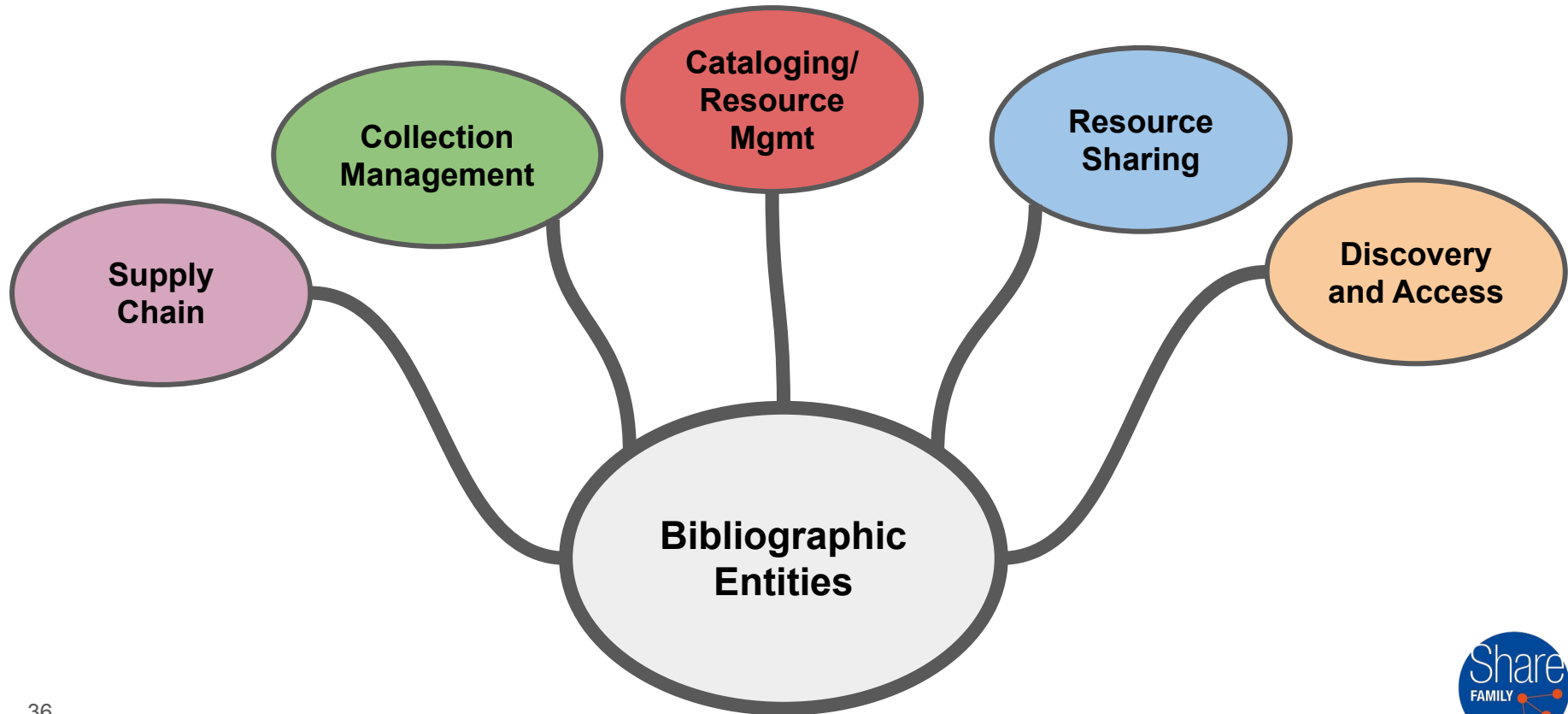
✅ initial tests completed: automated data flow from JCricket into FOLIO's Inventory module

🚧 reverse flow to be implemented

Share-VDE - FOLIO integration

- Development of cataloging flows, in real time, in both directions:
 - from Share-VDE to FOLIO 
 - from FOLIO to Share-VDE  in progress
- Implementing the COPY CATALOGING functionality from Share-VDE to a local FOLIO installation:
 - a cataloger searches/finds on the Share-VD CKB a bf:Instance provided by other libraries;
 - the cataloger can select it and send it to FOLIO, as a local Instance
- Support the FOLIO configuration app to select the external editor from FOLIO to manage the data set (based on the Instance source field)

Bibliographic Data is at the Heart of It All





Thank you!

Nina Servizzi, Associate Dean, Knowledge Access and Resources Management Services, New York University Libraries

Jeanette Norris, Director of Monographic Processing Services, Yale Library

Tiziana Possemato, CIO, @Cult / Casalini Libri / Share Family

Sebastian Hammer, Founder, Index Data

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<https://wiki.svde.org/>

<https://www.share-family.org/>