Looking to the Future: How to Learn About Linked Data and BIBFRAME

Our challenge is to take the user from **any** of the expressions or manifestations to **all** the related items in the catalog. This is one of the major goals of RDA.
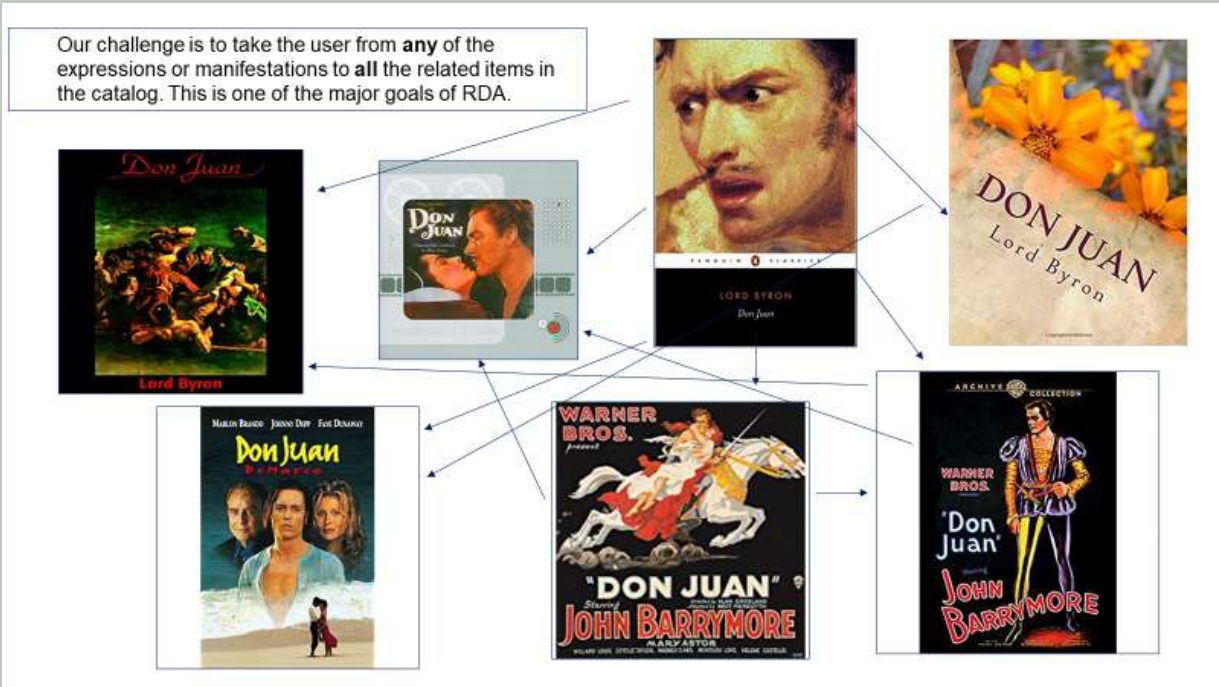
Dr. Pamela Thomas,
Bibliographic Grant Manager
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Cataloging Maintenance Center/IHLS
January 12, 2023

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Linked data

VIAF

BIBFRAME

Summary

Questions

Linked Data

Library linked data (LLD) is the use of [linked data](#) standards by libraries. These standards are usually applied to [bibliographic](#) and [authority](#) data sets with the hope of decreasing redundant cataloging work; and increasing visibility of library resources and interoperability with non-library systems--[Wikipedia](#)

Don Juan

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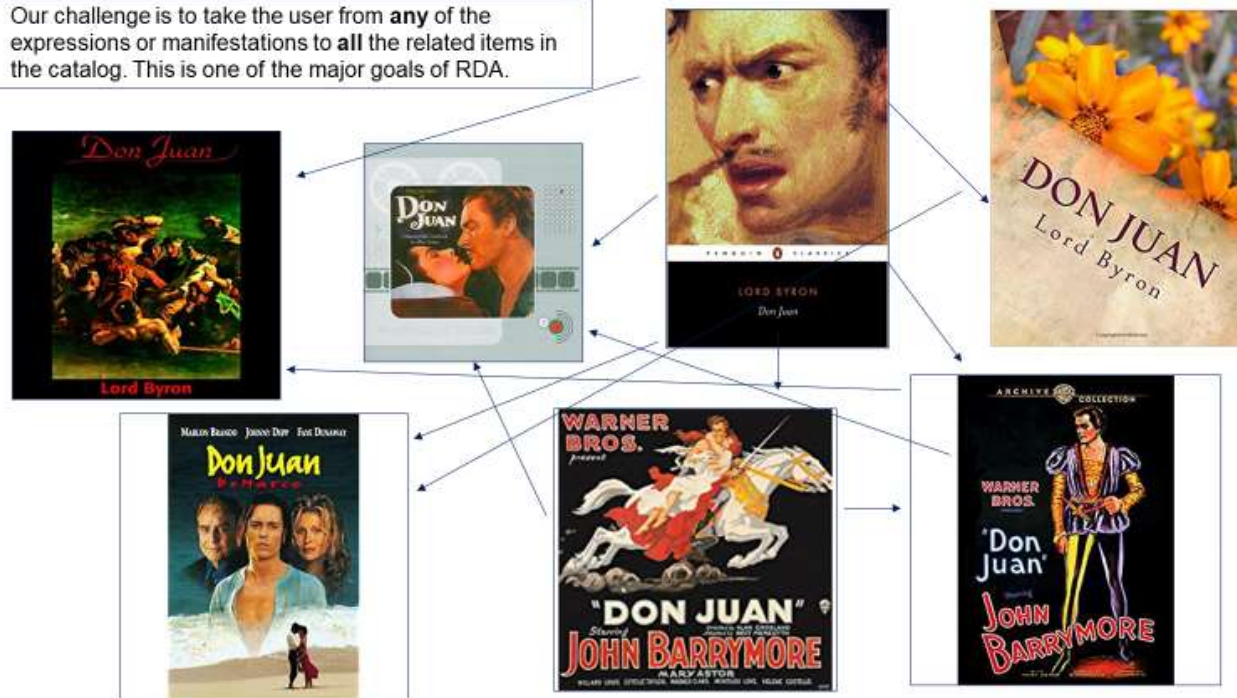
VIAF

The Virtual International Authority File (VIAF) is an international [authority file](#). It is a joint project of several national libraries and operated by the [Online Computer Library Center](#) (OCLC)--[Wikipedia](#)

Searching VIAF

Thomas Jefferson in VIAF

Search

Select Field: | Select Index: | Search Terms:
All Headings ▾ | All VIAF ▾ | Thomas Jefferson, 1743 1826 | [Search]

117 headings found for *Thomas Jefferson, 1743 1826*

Heading

1 Jefferson, Thomas, 1743-1826.
   Jefferson, Thomas
   Thomas Jefferson
   1826-1743 ,توماس ,جفرسون
   1743-1826 ,תומס ,ג'פרסון
   Jefferson, Thomas (American statesman, architect, and draftsman, 1743-1826)
   1826-1743 ,توماس ,جيفرسون

2 Madison, James, 1751-1836.
   Madison, James
   James Madison, Jr.
   Madison, James 1750-1836
   1836-1751 ,جيمس ,ماديسون
   1836-1751 ,جيمز ,مديسون
   1751-1836 ,ג'יימס ,מדיסון
   Мэдисон, Д. 1751-1836 Джеймс

3 Castellion, Sébastien, 1515-1563.
   Châteillon, Sébastien 1515-1563
   Castellio, Sebastianus, 1515-1563
   Castellione, Sebastiano
   Кастиллион, Себастиан, 1515-1563
   Castellion, Sebastien
   Châteillon, Sebastian
   Chatillon, Sébastien, 1515-1563

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Garden and Farm Books of Thomas Jefferson

Jefferson, Thomas, 1743-1826.

Jefferson, Thomas

Thomas Jefferson

1826-1743 ،توماس ،جفرسون

1743-1826 ,תומס ,ג'פרסון

Jefferson, Thomas (American statesman, architect, and draftsman, 1743-1826)

1826-1743 ،توماس ،جيفرسون

VIAF ID: 41866059 (Personal)
Permalink: http://viaf.org/viaf/41866059
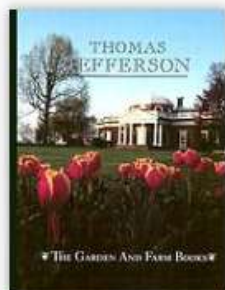
The garden and farm books of Thomas Jefferson ★★★★☆ 4 reviews

Authors: Thomas Jefferson, Robert C. Baron

Summary: Includes Jefferson's correspondence, drawings, and plans for Monticello's gardens. Jefferson's journals on horticulture at Monticello, his achievements, failures, and plans with some of his letters on the subject to Washington,...

Show more ∨

📘 Print Book, English, ©1987
Edition: View all formats and editions
Publisher: Fulcrum, Golden, Colo., ©1987

Show more information ∨

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Thomas Jefferson in Wikipedia

Categories: Thomas Jefferson | 1743 births | 1826 deaths | 18th-century American philosophers | 18th-century vice presidents of the United States | 18th-century American writers | 19th-century American philosophers | 19th-century vice presidents of the United States | 19th-century presidents of the United States | Ambassadors of the United States to France | American architects | American book and manuscript collectors | American colonization movement | American deists | American foreign policy writers | American gardeners | American inventors | American lawyers admitted to the practice of law by reading law | American male non-fiction writers | American neoclassical architects | American people of English descent | American people of Welsh descent | American planters | American political party founders | American political philosophers | American political writers | American religious skeptics | American slave owners | American surveyors | Burials at Monticello | Candidates in the 1792 United States presidential election | Candidates in the 1796 United States presidential election | Candidates in the 1800 United States presidential election | Candidates in the 1804 United States presidential election | College of William & Mary alumni | Continental Congressmen from Virginia | Democratic-Republican Party presidents of the United States | Democratic-Republican Party vice presidents of the United States | Enlightenment philosophers | Fellows of the American Academy of Arts and Sciences | Free speech activists | Governors of Virginia | Hall of Fame for Great Americans inductees | 1800s in the United States | House of Burgesses members | Independent scientists | Jefferson family | Members of the American Antiquarian Society | Members of the American Philosophical Society | Members of the Royal Netherlands Academy of Arts and Sciences | Members of the Virginia House of Delegates | People from Monticello | People of the American Enlightenment | Philosophers from Virginia | Physiocrats | Pre-19th-century cryptographers | Presidents of the United States | Randolph family of Virginia | Signers of the United States Declaration of Independence | United States Secretaries of State | University and college founders | University of Virginia people | Vice presidents of the United States | Virginia colonial people | Virginia Democratic-Republicans | Virginia lawyers | Washington administration cabinet members | Writers from Virginia | Writers of American Southern literature | Recipients of the AIA Gold Medal | Virginia dynasty

Linked Data in MARC Records

110	2		NORC (Organization), ‡e author.
245	1	0	Exploring metropolitan anchor hospitals and the communities they serve : ‡b final report / ‡c NORC.
650		0	Hospital utilization.
650		0	Hospitals ‡x Research.
650		0	Hospitals ‡z United States.
650		2	Hospitals.
650		2	Environment and Public Health.
856	4	0	‡u http://www.aha.org ‡y American Health Association website
856	4	0	‡u https://www.aha.org/system/files/media/file/2022/10/Exploring-Metropolitan-Anchor-Hospitals-and-the-Communities-They-Serve-202210.pdf ‡y Electronic resource (PDF)

BIBFRAME

Initiated by the Library of Congress, BIBFRAME provides a foundation for the future of bibliographic description, both on the web, and in the broader networked world that is grounded in Linked Data techniques. A major focus of the initiative is to determine a transition path for the MARC 21 formats while preserving a robust data exchange that has supported resource sharing and cataloging cost savings in recent decades—Library of Congress

BIBFRAME Editor

https://bibframe.org/bfe/index.html
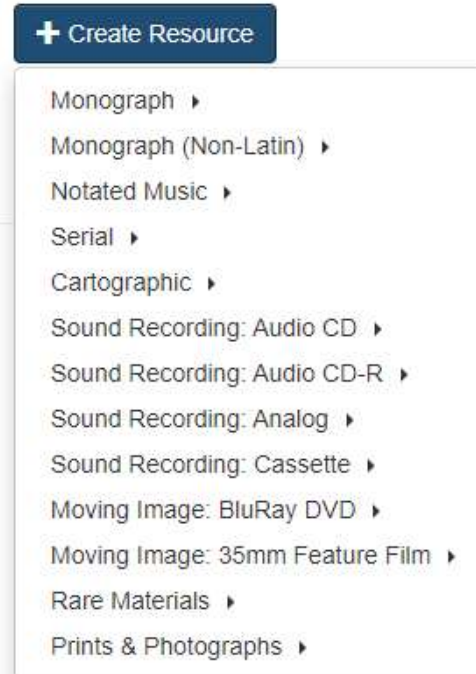
BIBFRAME: Creating an Instance Record

Monograph:Instance ℹ️

Instance of	BIBFRAME Work
Title Information	Instance Title Variant Title Parallel Title
Statement of Responsibility	
Edition Statement	
Provision Activity	Publication Distribution Manufacture Production
Transcribed Provider Statement	
Copyright Date	
Series statement	
Series enumeration	
Contribution	Contribution
Mode of Issuance	
	single unit 🗑
Identifiers	LCCN ISBN Other identifier Local system number
Notes about the Instance	Note

BIBFRAME Instance, cont.

Media type

unmediated 🗑

Extent   Extent

Dimensions   ➕

Carrier type

volume 🗑

Has Item   BIBFRAME Item

Uniform Resource Locator   ➕

Projected publication date (YYMM)   ➕

Administrative Metadata

lc:RT:bf2:Monograph:Instance 2022-11-29T18:13:30 ✏ 🗑

Add Property   Type for suggestions

BIBFRAME Work

Save changes

BIBFRAME Work   Save changes   ×

Lookup	

OR

Creator of Work	Primary Contribution
Title Information	Work Title
Form of Work	Form/Genre
Date of Work	+
Place of Origin of the Work	Place
(Geographic) Coverage of the Content	Geographic coverage
(Time) Coverage of the Content	+
Intended Audience	Intended audience
Contribution	Contribution
Notes about the Work	Note
Contents	Contents note
Summary	Summary note
Subject of the Work	Subject components Geographic subjects Work as subject
Classification numbers	Library of Congress Classification Dewey Decimal Classification
Content Type	
	text ✏ 🗑
Language	Language
Script	

BIBFRAME Example

BIBFRAME 2.0 Monograph (Non-Latin) Instance

	Instance of	BIBFRAME Work
OFF ON		Garden and farm books of Thomas Jefferson
	Title Information	Title in Original Script	Variant Title	Parallel Title
OFF ON	Statement of Responsibility	
OFF ON	Edition Statement	
OFF ON	Provision Activity	Publication	Distribution	Manufacture	Production
OFF ON	Transcribed Provider Statement	
OFF ON	Copyright Date	
		1987
OFF ON	Series statement	
OFF ON	Series enumeration	
OFF ON	Contribution	Contribution
OFF ON	Mode of Issuance	
		single unit
OFF ON	Identifiers	LCCN	ISBN	Other identifier	Local system number
OFF ON	Notes about the Instance	Note
		Includes Jefferson's correspondence, drawings, and plans f...
OFF ON	Media type	
		unmediated
OFF ON	Extent	Extent
		528 pages
OFF ON	Dimensions	
		23 cm
OFF ON	Carrier type	
		volume

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Editing in BIBFRAME

| Edition Statement | Limited edition | en (English) ∨ | ∨ | ✛ |

Edition Statement

Limited edition@en ✏ 🗑

BIBFRAME Preview

Preview

```
@prefix bf: <http://id.loc.gov/ontologies/bibframe/>.
@prefix bflc: <http://id.loc.gov/ontologies/bflc/>.
@prefix madsrdf: <http://www.loc.gov/mads/rdf/v1#>.
@prefix pmo: <http://performedmusicontology.org/ontology/>.
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>.
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#>.
@prefix xsd: <http://www.w3.org/2001/XMLSchema#>.
@prefix datatypes: <http://id.loc.gov/datatypes/>.
@prefix lclocal: <http://id.loc.gov/ontologies/lclocal/>.

<http://id.loc.gov/authorities/names/n79089957> a bf:Person;
    rdfs:label "Jefferson, Thomas, 1743-1826".
<http://id.loc.gov/resources/instances/e1123594295377058364048726792194511201
    bf:adminMetadata _:b0_b0;
    bf:carrier <http://id.loc.gov/vocabulary/carriers/nc>;
    bf:copyrightDate "1987";
    bf:dimensions "23 cm";
    bf:editionStatement "Limited edition"@en;
    bf:extent _:b0_b1;
    bf:instanceOf _:b0_b2;
    bf:issuance <http://id.loc.gov/vocabulary/issuance/mono>;
    bf:media <http://id.loc.gov/vocabulary/mediaTypes/n>;
    bf:note _:b0_b3;
    bf:provisionActivity _:b0_b4.
_:b0_b0 a bf:AdminMetadata;
    bflc:procInfo "create instance";
    bflc:profile "lc:RT:bf2:MonographNR:Instance";
    bf:changeDate "2022-11-29T18:46:57"^^xsd:dateTime;
    bf:creationDate "2022-11-29"^^xsd:date;
    bf:descriptionAuthentication <http://id.loc.gov/vocabulary/marcauthen/pcc>;
    bf:descriptionConventions <http://id.loc.gov/vocabulary/descriptionConventions/rda>;
    bf:descriptionLanguage <http://id.loc.gov/vocabulary/languages/eng>;
    bf:descriptionModifier <http://id.loc.gov/vocabulary/organizations/dlc>;
    bf:identifiedBy <https://bibframe.org/resources/e877927056772861904343619939866679502384>.
<http://id.loc.gov/vocabulary/carriers/nc> a bf:Carrier;
    rdfs:label "volume".
_:b0_b1 a bf:Extent;
    rdfs:label "528 pages".
    _:b0_b2 a bf:Work;
```

BIBFRAME Preview, cont.

```
_:b0_b2 a bf:Work;
    bf:adminMetadata _:b0_b5;
    bf:content <http://id.loc.gov/vocabulary/contentTypes/txt>;
    bf:contribution _:b0_b6;
    bf:title _:b0_b7.
<http://id.loc.gov/vocabulary/issuance/mono> a bf:Issuance;
    rdfs:label "single unit".
<http://id.loc.gov/vocabulary/mediaTypes/n> a bf:Media;
    rdfs:label "unmediated".
_:b0_b3 a bf:Note;
    rdfs:label "Includes Jefferson's correspondence, drawings, and plans for Monticello's gardens.
_:b0_b4 a bf:Publication;
    bf:place _:b0_b8.
<http://id.loc.gov/vocabulary/contentTypes/txt> a bf:Content;
    rdfs:label "text".
<http://id.loc.gov/vocabulary/descriptionConventions/rda> a bf:DescriptionConventions;
    rdfs:label "RDA".
<http://id.loc.gov/vocabulary/languages/eng> a bf:Language;
    rdfs:label "English".
<http://id.loc.gov/vocabulary/marcauthen/pcc> a bf:DescriptionAuthentication;
    rdfs:label "pcc".
<http://id.loc.gov/vocabulary/organizations/dlc> a bf:DescriptionModifier;
    rdfs:label "dlc".
<https://bibframe.org/resources/e877927056772861904343619939866679502384> a bf:Local;
    rdf:value "e877927056772861904343619939866679502384".
_:b0_b5 a bf:AdminMetadata;
    bflc:procInfo "create instance";
    bflc:profile "lc:RT:bf2:MonographNR:Work";
    bf:changeDate "2022-11-29T18:46:57"^^xsd:dateTime;
    bf:creationDate "2022-11-29"^^xsd:date;
    bf:descriptionAuthentication <http://id.loc.gov/vocabulary/marcauthen/pcc>;
    bf:descriptionConventions <http://id.loc.gov/vocabulary/descriptionConventions/rda>;
    bf:descriptionLanguage <http://id.loc.gov/vocabulary/languages/eng>;
    bf:descriptionModifier <http://id.loc.gov/vocabulary/organizations/dlc>;
    bf:identifiedBy <https://bibframe.org/resources/e877927056772861904343619939866679502384>.
_:b0_b6 a bflc:PrimaryContribution;
    bf:agent <http://id.loc.gov/authorities/names/n79089957>.
_:b0_b7 a bf:Title;
    rdfs:label "Garden and farm books of Thomas Jefferson";
    bf:mainTitle "Garden and farm books of Thomas Jefferson".
_:b0_b8 a bf:Place;
    rdfs:label "Golden, Colorado".
```

LDUG Annual Meeting

BIBFRAME and Linked Data: System Readiness

Marshall Breeding
Independent Consultant, Author, and
Founder and Publisher, Library Technology Guides
https://librarytechnology.org/
https://twitter.com/mbreeding

MIDWEST COLLABORATIVE for LIBRARY SERVICES
Building better libraries

Linked Data for Libraries Users Group

November 2, 2022

Library Systems' Readiness for Linked Data

Summary

Linked data is useful

WorldCat links data

VIAF actively linking data

Library of Congress invested in BIBFRAME

MARC records have linked data

Need ILS buy-in & support for BIBFRAME

Resources

- BIBFRAME definition, https://www.loc.gov/bibframe/
- BIBFRAME editor (demo mode), https://bibframe.org/bfe/index.html
- BIBFRAME FAQs, https://www.loc.gov/bibframe/faqs/
- BIBFRAME initiative, BIBFRAME - Bibliographic Framework Initiative (Library of Congress) (loc.gov)
- Breeding, Marshall (2022). BIBFRAME and linked data: System readiness, https://youtu.be/MQSaAmiBY2Q
- CMC Evaluation Form, Course evaluation survey (Edit) Microsoft Forms (office.com)
- IFLA world map, https://librarymap.ifla.org/
- Jefferson, Thomas (Wikipedia), https://en.wikipedia.org/wiki/Thomas_Jefferson
- Linked data definition (Wikipedia), https://en.wikipedia.org/wiki/Library_linked_data
- OCLC. Linked data overview, https://www.oclc.org/research/areas/data-science/linkeddata/linked-data-overview.html
- Thomas, Pamela (2018). Understanding WEMI (Work, Expression, Manifestation, Item), https://www.railslibraries.info/events/152953
- VIAF, https://viaf.org/

Course evaluation survey

· · ·

1. What is your name?

Enter your answer

2. What is the name of the library where you work?

Enter your answer

3. What library system do you work for?

Enter your answer

Dr. Pamela Thomas
pthomas@illinoisheartland.org
cmc@illinoisheartland.org

ON THE CALL TODAY

Questions? Contact the CMC:
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Mary Cornell
CMC Cataloger

Eric McKinney
CMC Cataloger