

Adventures in BIBFRAME:

Cataloguing Rare Books Using Sinopia at the University of Leeds

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BIBFRAME Workshop in Europe 2024



University of Leeds Libraries

- Five libraries with over 2.7 million items
- Five designated collections deemed nationally and internationally important
- Key strength: history of the art and antiques market, with special focus on decorative art and furniture
- John Evan Bedford Library of Furniture History
 - Gifted to University in 2019
 - Mixed collection
 - Over 67 linear metres of archival materials
 - Over 5500 print materials



Brotherton Library, University of Leeds.
©University of Leeds Libraries



The cabinet of practical, useful and decorative furniture designs by H. Lawford. 1855.
Bedford Collection. ©University of Leeds Libraries

First steps ...

- July 2023: three members of the Metadata & Discovery Team at Leeds joined the Ex Libris Linked Data Focus Group
- Some of the goals of the focus group:
 - Trial BF record creation using the Sinopia editor and evaluate in Alma
 - Enable improved discovery and use of resources and the data describing those resources
 - Improve authority work and entity management
- Additional reasons for joining group:
 - Technical support from Ex Libris
 - Collaborative learning environment
 - Coincided with library-led digitisation initiative to develop unified discovery platform for Special Collections materials, both print and archival
 - BIBFRAME the answer? (We strongly suspect it is)



Are you sitting comfortably? Epinard wants to talk to you about BIBFRAME. Trevor Hough ©2021

Choosing a collection

- Focus on rare print materials
 - Improve recording and display of copy-specific metadata in BF
 - Potential opportunities when working with metadata describing mixed collections
- John Evan Bedford Library of Furniture History
 - Recently catalogued collection with existing MARC records from which to work
 - Sub-collection of 25-30 titles, primarily pattern books and trade catalogues from 18th-19th centuries
- Abundance of item-specific characteristics, including bound-with relationships



Copy-specific details from volumes in the Bedford Collection: *Examples of ornamental metal work*. 1836 (top); *Neuestes Modell ...* 1829 (bottom left); *The smith's, founder's, and ornamental metal worker's director ...* c.1844 (bottom right). University of Leeds Libraries.

Copy-specific metadata MARC v BIBFRAME

from MARC ...

500 ___ |a First folded plate has engraved title: Ornaments for club sticks, clocks &c. 14 folded plates. Several plates have descriptions of items. |5 UkLeU

500 ___ |a Date suggested by watermark 1800. Vertical and horizontal chain lines. |5 UkLeU

500 ___ |a Title supplied by cataloguer.

___ |a Leeds University Library copy at Bedford Collection C418: From the John Evan Bedford Library, gifted in 2019. Twenty-first-century pictorial bookplate on front pastedown: John Evan Bedford. Former reference: TC/M/7. Label on front cover: H. F. & G Carte[?] & S[?] 0225. MS. annotations throughout in red ink giving prices and occasional description. |5 UkLeU

561

563 ___ |a Leeds University Library copy at Bedford Collection C418: contemporary quarter calf [worn], blue/purple paste paper design with paper title label on front cover. |5 UkLeU

... to BIBFRAME (PCC Item template) ...

Note--General note

Property: <http://id.loc.gov/ontologies/bib>
Class: <http://id.loc.gov/ontologies/bibfran>

Leeds University Library copy at Bedford Collection C418: contemporary quarter calf [worn], blue/purple paste paper design with paper title label on front cover. [en]

Leeds University Library copy at Bedford Collection C418: From the John Evan Bedford Library, gifted in 2019. Twenty-first-century pictorial bookplate on front pastedown: John Evan Bedford. Former reference: TC/M/7. Label on front cover: H. F. & G Carte[?] & S[?] 0225. MS. annotations throughout in red ink giving prices and occasional description. [en]

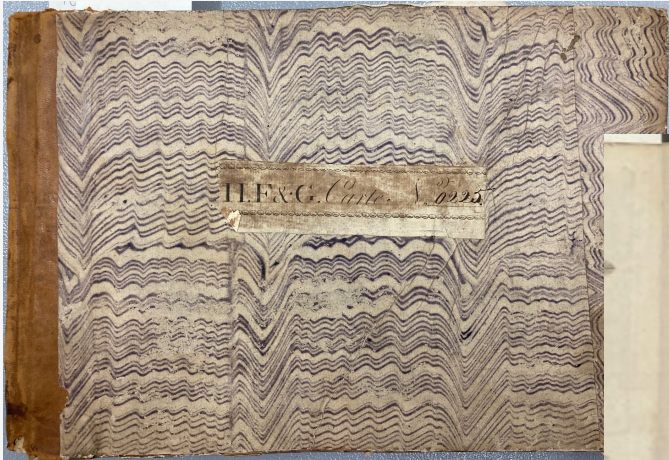
Leeds University Library copy at Bedford Collection C418: contemporary quarter calf [worn], blue/purple paste paper design with paper title label on front cover. [en]

Note Type (Controlled vocabulary) ⓘ

<http://id.loc.gov/ontologies/bibframe/Note>: <http://id.loc.gov/ontologies/bibframe/Note>

Binding: <http://id.loc.gov/vocabulary/mnotetype/binding>

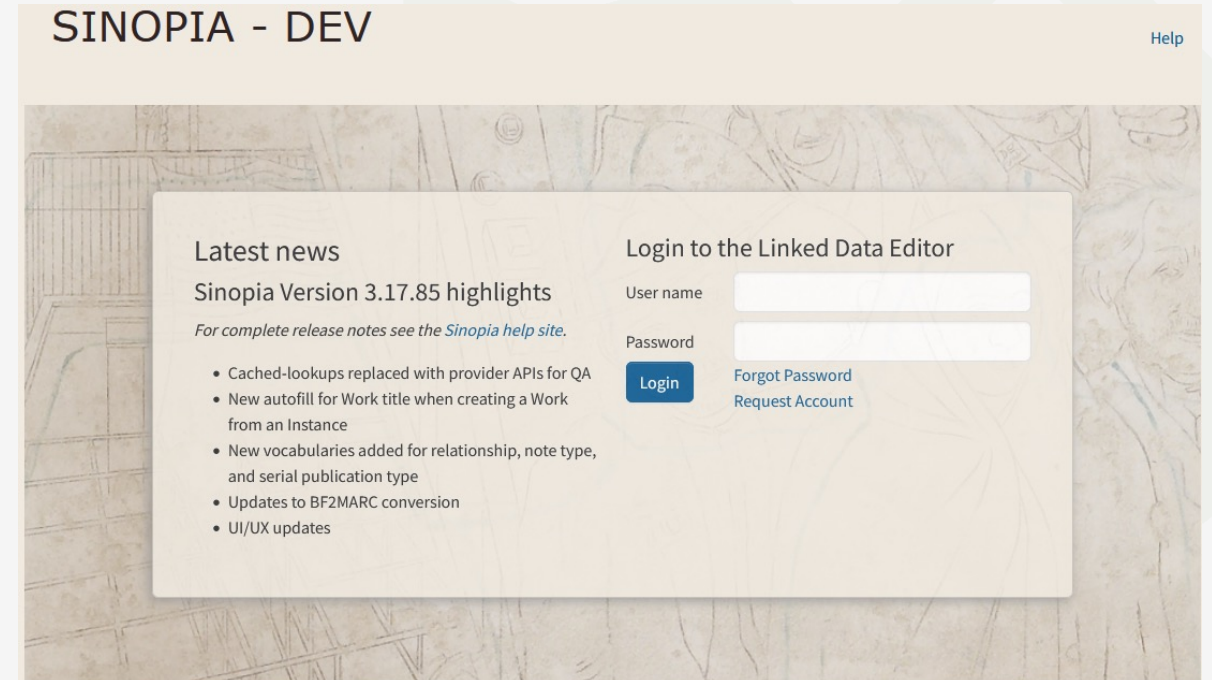
Custodial History of Item ↗



... to RMAG?
(Rare Materials
Affinity Group
Item template
using ARM
extension) ...

Cataloguing in Sinopia I

- Focus Group uses Sinopia to create and edit records
- Started off using PCC created templates
- API to send Work & Instance to Alma Sandbox for further testing



PCC guide to Sinopia:

<https://www.loc.gov/catworkshop/Sinopia-Training/index.html>

Cataloguing in Sinopia II

Notes about the Item

Note--General note

Property: <http://id.loc.gov/ontologies/bibframe/note>
Class: <http://id.loc.gov/ontologies/bibframe/Note>

▼ Note

Leeds University Library copy at Bedford Collection A604: re-backed [cloth], contemporary calf [worn], gold tooled on spine. [en]

▼ Note Type (Controlled vocabulary) ⓘ

<http://id.loc.gov/ontologies/bibframe/Note>: <http://id.loc.gov/ontologies/bibframe/Note>

Contributor to Item

Additional Creator(s)/Contributor(s)

Property: <http://id.loc.gov/ontologies/bibframe/contribution>
Class: <http://id.loc.gov/ontologies/bibframe/Contribution>

▼ Additional Creators/Contributor(s) ↗

Agent

Property: <http://id.loc.gov/ontologies/bibframe/agent>
Class: <http://id.loc.gov/ontologies/bibframe/Agent>

▼ Name of Agent

Bedford, John Victor, 1941-2019 [en]: <http://www.wikidata.org/entity/Q108623500>

▼ Relationship Designator ⓘ ↗

Role

Property: <http://id.loc.gov/ontologies/bibframe/role>
Class: <http://id.loc.gov/ontologies/bibframe/Role>

▼ MARC relator term

Former owner: <http://id.loc.gov/vocabulary/relators/fmo>

Additional Creator(s)/Contributor(s)

Property: <http://id.loc.gov/ontologies/bibframe/contribution>
Class: <http://id.loc.gov/ontologies/bibframe/Contribution>

▼ Additional Creators/Contributor(s) ↗

Agent

Property: <http://id.loc.gov/ontologies/bibframe/agent>
Class: <http://id.loc.gov/ontologies/bibframe/Agent>

▼ Name of Agent

Holland Brothers' Foundry [en]

▼ Relationship Designator ⓘ ↗

Role

Property: <http://id.loc.gov/ontologies/bibframe/role>
Class: <http://id.loc.gov/ontologies/bibframe/Role>

▼ MARC relator term

Former owner: <http://id.loc.gov/vocabulary/relators/fmo>

Custodial History of Item ↗

Leeds University Library copy at Bedford Collection A604: From the John Evan Bedford Library, gifted in 2019. Twenty-first-century pictorial bookplate on front pastedown: John Evan Bedford. Former reference: MO/4. Nineteenth-century MS. inscription on front flyleaf: From the Drawing Room; Holland Brothers' Found[e]ry and Engineering Works, King Street, B[?]. Sketches in pencil on verso of title page. [en]

Holding For (Item of) ⓘ

Examples of ornamental metal work / [en]: <https://api.development.sinopia.io/resource/e65763a4-45e7-4f67-9c0f-ed68895d2486>

▼ Publisher's Name* ⓘ ↗

Wm. Pickering, 57, Chancery Lane, [en]

▼ Date of Publication ⓘ ↗

1836 [No language specified]

Cataloguing in Sinopia III

BOOK
Examples of ornamental metal work/ drawn and engraved by Henry Shaw.
Shaw, Henry, 1800-1873 artist engraver

All titles | Title | examples of ornamental metal work

Facets: All Titles (1 - 2 of 2) | examples of ornamental metal work

Material Type: Book (2)

Resource Type: Book - Physical (2)

Language: English (2)

Publication Year: 1836 (2)

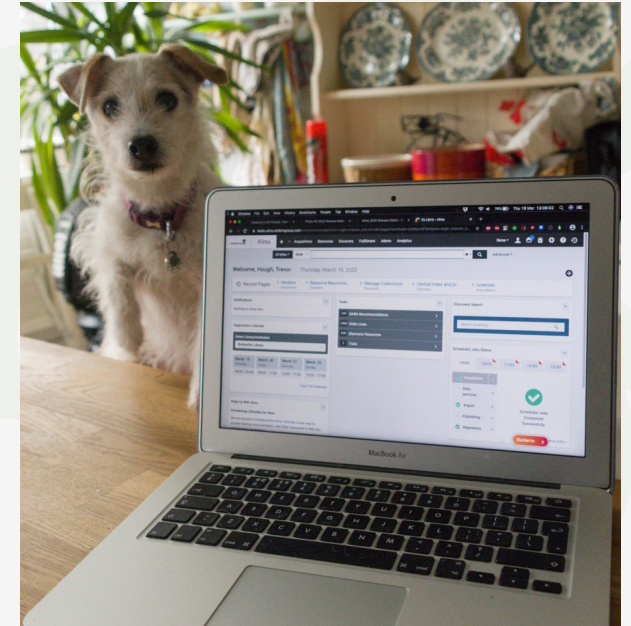
Record Format: LC BF INSTANCE (1) MARC21 (1)

1	<input type="checkbox"/>	Examples of ornamental metal work / drawn and engraved by Henry Shaw. Book (Book - Physical) text; unmediated; volume By Shaw, Henry, (London : Wm. Pickering, 57, Chancery Lane, 1836.) Subject: Decoration and ornament, Architectural. Art metal-work. Modification Date: 22/02/2022 10:18:53	Language: English Creation Date: 17/02/2022 14:33:51 Record number: (OCoLC)3639442	MMS ID: 991019863355905181
2	<input type="checkbox"/>	Examples of ornamental metal work drawn and engraved by Henry Shaw. Book (Book - Physical) text; unmediated; volume By Shaw, Henry, 1800-1873 (1836) Subject: Art metal-work Decoration and ornament, Architectural Modification Date: 12/08/2024 15:36:25	Language: English Creation Date: 12/08/2024 15:36:24 Record number: 3639442	Orders: 1 MMS ID: 991020282497505181

Details

Title: Examples of ornamental metal work
Creator: Shaw, Henry, 1800-1873 artist engraver
Creation Date: 1836
Subject: Art metal-work > Decoration and ornament, Architectural
Format: 50 leaves of plates 29 cm (fol.)
Illustrations: Plates
black and white
hand colored
Source: Library Catalogue

- Work and instance records imported via an API
- Testing in our Alma Sandbox environment
- Can perform usual management functions in Alma and view in Primo



Epinard ready to check BIBFRAME records in Alma.
Trevor Hough ©2020

BIBFRAME records in Alma and Primo

Details

Title Examples of ornamental metal work
Creator [Shaw, Henry, 1800-1873 artist engraver >](#)
Creation Date 1836
Subject [Art metal-work >](#)
[Decoration and ornament, Architectural >](#)
Format 50 leaves of plates 29 cm (fol.)
Illustrations
Plates
black and white
hand colored
Source Library Catalogue

Send to



Links

[Display Source Record](#) >

```
<record>
<rdf:RDF xmlns:bf="http://id.loc.gov/ontologies/bibframe/" xmlns:bflc="http://id.loc.gov/ontologies/bflc/" xmlns:rdf="http://www.w3.org/2000/01/rdf-schema#" xmlns:sioc="http://www.sioc.edu.cn/2005/08/09/sioc-vocabulary/">
  <bf:Instance rdf:about="https://api.development.sinopia.io/resource/e65763a4-45e7-4f67-9c0f-ed8895d2486">
    <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Print"/>
    <sinopia:hasResourceTemplate>U Leeds: Monograph: Instance_(pcc:bf2: Monograph: Instance)</sinopia:hasResourceTemplate>
    <bf:instanceOf rdf:resource="https://api.development.sinopia.io/resource/1489b69e-4289-4fe8-87ae-d96553e82047"/>
    <bf:title>
      <bf:Title>
        <bf:mainTitle xml:lang="en">Examples of ornamental metal work </bf:mainTitle>
        <bflc:nonSortNum>0</bflc:nonSortNum>
      </bf:Title>
    </bf:title>
    <bf:responsibilityStatement xml:lang="en">drawn and engraved by Henry Shaw.</bf:responsibilityStatement>
    <bf:provisionActivity>
      <bf:Publication>
        <bf:date rdf:datatype="http://id.loc.gov/datatypes/edtf">1836</bf:date>
        <bf:place rdf:resource="http://id.loc.gov/vocabulary/countries/enk">
          <rdfs:label xml:lang="en">England</rdfs:label>
        </bf:place>
        <bflc:simplePlace xml:lang="en">London </bflc:simplePlace>
        <bflc:simpleAgent xml:lang="en">Wm. Pickering, 57, Chancery Lane,</bflc:simpleAgent>
        <bflc:simpleDate>1836</bflc:simpleDate>
      </bf:Publication>
    </bf:provisionActivity>
    <bf:identifiedBy>
      <bf:Local>
        <rdf:value>3639442</rdf:value>
      </bf:Local>
    </bf:identifiedBy>
    <bf:identifiedBy>
      <bf:Local>
        <rdf:value>ocm03639442</rdf:value>
      </bf:Local>
    </bf:identifiedBy>
    <bf:note>
      <bf:Note>
        <rdfs:label xml:lang="en">Engraved title page included in number of plates.</rdfs:label>
      </bf:Note>
    </bf:note>
  </bf:Instance>
</rdf:RDF>
```

```
<record>
<rdf:RDF xmlns:bf="http://id.loc.gov/ontologies/bibframe/" xmlns:bflc="http://id.loc.gov/ontologies/bflc/" xmlns:rdf="http://www.w3.org/2000/01/rdf-schema#" xmlns:sioc="http://www.sioc.edu.cn/2005/08/09/sioc-vocabulary/">
  <bf:Instance rdf:about="https://api.development.sinopia.io/resource/e65763a4-45e7-4f67-9c0f-ed8895d2486">
    <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Print"/>
    <sinopia:hasResourceTemplate>U Leeds: Monograph: Instance_(pcc:bf2: Monograph: Instance)</sinopia:hasResourceTemplate>
    <bf:instanceOf rdf:resource="https://api.development.sinopia.io/resource/1489b69e-4289-4fe8-87ae-d96553e82047"/>
    <bf:title>
      <bf:Title>
        <bf:mainTitle xml:lang="en">Examples of ornamental metal work </bf:mainTitle>
        <bflc:nonSortNum>0</bflc:nonSortNum>
      </bf:Title>
    </bf:title>
    <bf:responsibilityStatement xml:lang="en">drawn and engraved by Henry Shaw.</bf:responsibilityStatement>
    <bf:provisionActivity>
      <bf:Publication>
        <bf:date rdf:datatype="http://id.loc.gov/datatypes/edtf">1836</bf:date>
        <bf:place rdf:resource="http://id.loc.gov/vocabulary/countries/enk">
          <rdfs:label xml:lang="en">England</rdfs:label>
        </bf:place>
        <bflc:simplePlace xml:lang="en">London </bflc:simplePlace>
        <bflc:simpleAgent xml:lang="en">Wm. Pickering, 57, Chancery Lane,</bflc:simpleAgent>
        <bflc:simpleDate>1836</bflc:simpleDate>
      </bf:Publication>
    </bf:provisionActivity>
    <bf:identifiedBy>
      <bf:Local>
        <rdf:value>3639442</rdf:value>
      </bf:Local>
    </bf:identifiedBy>
    <bf:identifiedBy>
      <bf:Local>
        <rdf:value>ocm03639442</rdf:value>
      </bf:Local>
    </bf:identifiedBy>
    <bf:note>
      <bf:Note>
        <rdfs:label xml:lang="en">Engraved title page included in number of plates.</rdfs:label>
      </bf:Note>
    </bf:note>
  </bf:Instance>
</rdf:RDF>
```

Templates – customising existing ones

- Cataloguing agency issue led to first customisation
 - Make own copy and edit the template
 - May need to make copies of sub-templates
- Then started investigating subject and other lookups
- Edited a Contributor field to make it repeatable

Lookup attributes
Property: <http://sinopia.io/vocabulary/hasLookupAttributes>
Class: <http://sinopia.io/vocabulary/PropertyTemplate>

Property template
Class: <http://sinopia.io/vocabulary/PropertyTemplate>

▼ Property * ⓘ

Property: <http://sinopia.io/vocabulary/hasPropertyUri>

URI

Label ä No language specified

+ Add another Property

▼ Label * ⓘ

Property: <http://www.w3.org/2000/01/rdf-schema#label>

Enter a literal

ä No language specified

▼ Nested resource attributes (if a resource) ⓘ

Resource attributes
Property: <http://sinopia.io/vocabulary/hasResourceAttributes>
Class: <http://sinopia.io/vocabulary/ResourcePropertyTemplate>

▼ Resource Template IDs * ⓘ

Property: <http://sinopia.io/vocabulary/hasResourceTemplateId>

URI

Label ä en

+ Add another Resource Template IDs

LOC RBMS Controlled Vocabulary (QA) - direct
LOC RBMS Relationship Designators (QA) - direct
LOC RWO Conference Agents(QA) - direct
LOC RWO Corporate Agents (QA) - direct
LOC RWO Family Agents (QA) - direct

Select Authorities

Select from: authorities

+ Add another Authorities

Templates – exploring RMAG and ARM

Can mix and match templates – fine to use different ones for Work, Instance, Item, e.g. PCC for Work and Instance and RMAG for Item

RMAG Item RMAG:RT:ARM:Item	http://id.loc.gov/ontologies/bibframe/Item	LD4 RMAG	LD4 Rare Materials Affinity Group	18 Feb 2023	This is the LD4 Rare Materials Affinity Group template to describe rare books at the item level
RMAG Item History (ARM) RMAG:RT:ARM:ItemHistory	https://w3id.org/arm/ontology/1.0/ItemHistory	LD4 RMAG	LD4 Rare Materials Affinity Group	23 Mar 2023	Use to describe the history of an item. Events may optionally be sub-classified Conservation Events, Custodial Events, and Exhibition Events
RMAG Marking (ARM) RMAG:RT:ARM:Marking	https://w3id.org/arm/ontology/1.0/Marking	LD4 RMAG	LD4 Rare Materials Affinity Group	18 Jan 2023	Testing the use of templates with the optional classes feature
RMAG Measurement (ARM) RMAG:RT:ARM:Measurement	https://w3id.org/arm/ontology/1.0/Measurement	LD4 RMAG	LD4 Rare Materials Affinity Group	1 May 2023	
RMAG Measurement Group (ARM) RMAG:RT:ARM:MeasurementGroup	https://w3id.org/arm/ontology/1.0/MeasurementGroup	LD4 RMAG	LD4 Rare Materials Affinity Group	1 May 2023	
RMAG Note (ARM) RMAG:RT:ARM>Note	http://id.loc.gov/ontologies/bibframe/Note	LD4 RMAG	LD4 Rare Materials Affinity Group	17 Feb 2023	
RMAG Pagination Foliation (ARM) RMAG:RT:ARM:PaginationFoliation	https://w3id.org/arm/ontology/1.0/PaginationFoliation	LD4 RMAG	LD4 Rare Materials Affinity Group	26 Sept 2022	Use for description of Pagination and Foliation for LD4 RMAG.
RMAG Physical Condition (ARM) RMAG:RT:ARM:PhysicalCondition	https://w3id.org/arm/ontology/1.0/PhysicalCondition	LD4 RMAG	LD4 Rare Materials Affinity Group	17 Feb 2023	
RMAG Signature Statement (ARM) RMAG:RT:ARM:SignatureStatement	https://w3id.org/arm/ontology/1.0/SignatureStatement	LD4 RMAG	LD4 Rare Materials Affinity Group	22 Aug 2022	Use for description signature statements for LD4 RMAG. Based on HRC's RT

Templates – exploring RMAG and ARM

Can mix and match templates – fine to use different ones for Work, Instance, Item, e.g. PCC for Work and Instance and RMAG for Item

HRC Bound-with (ARM) hrc:RT:ARM:BoundWith	https://w3id.org/arm/core/ontology/0.1/BoundCollection		LD4P	19 Aug 2019	Use to describe a bound-with object at the HRC (Based on Yale:RT:ARM:BoundWith:CtY)
HRC Bound-with Item (ARM) hrc:RT:ARM:BoundWith:Item	http://id.loc.gov/ontologies/bibframe/item		LD4P	19 Aug 2019	Use to describe each one of the items that forms part of the bound-with object at the HRC (Based on Yale:RT:BF2:Monograph:Item-CtY:Nested:BoundWith)

Final thoughts

What we don't know ...

- Not yet able to export item-level records in Sinopia (whether PCC or RMAG)
- Unable to test display of item-level metadata in Primo

What we do know ...

- BIBFRAME greatly facilitates mapping of metadata to alternative data models
- With regard to recording (and we assume publishing) of copy-specific metadata for rare materials, BIBFRAME seems the obvious successor to MARC

Where do we go from here ...

- Pairing up with other institutions in the focus group who are working with similar materials
- Giving feedback on the Ex Libris BIBFRAME form editor (currently in development)
- Moving to production!



Epinarad hopes you enjoyed the presentation. Trevor Hough ©2022

Thank you

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