



# Down the Rabbit Hole

Exploring Dedup/FRBR Settings in Primo VE

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# Overview

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# Terms

## Dedup

- ▶ Creates a vector for every Alma record (and all imported records from external sources) that includes keys that help the Duplication Detection algorithm determine if two records are equivalent.
- ▶ In the search results, records that are marked as duplicates are displayed as a single record.
- ▶ The metadata is displayed from the first record in the results set, and the delivery related information is created from all the records in the group.

## FRBR

- ▶ Creates a vector for every record that includes one or more keys that identify the group it represents.
- ▶ Keys are based on the metadata fields in the source record (MARC or DC records). Records that have a matching key are added to a FRBR group and assigned a FRBR ID.
- ▶ Records can only belong to one FRBR group, and any record that belongs to FRBR group will display the Multiple versions exist.

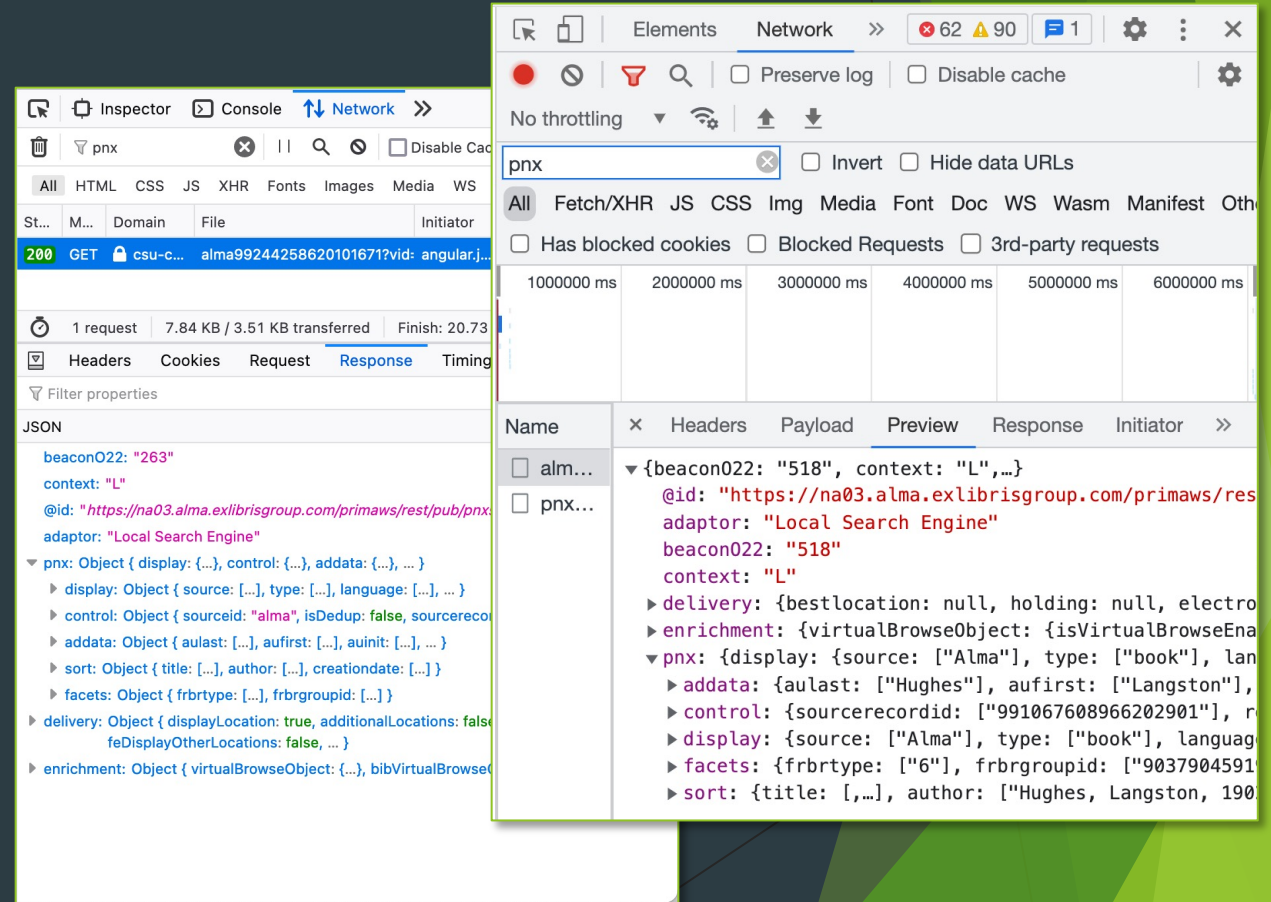
Primo VE looks for duplicate records and then looks for FRBR groups. A record that is Deduped will also be FRBRized.

# Tools

## Web Browser Developer Tools

- ▶ Chrome
  - ▶ View->Developer->Developer Tools
- ▶ Firefox
  - ▶ Tools->Browser Tools->Web Developer Tools

On a selected record, view Network responses and filter by pnx



# Primo VE Configuration Landscape

*All settings in Alma->Configuration->Discovery*

## View Configuration -> Brief Results

- ▶ Enable/Disable Dedup and FRBR, and determine preferred record behavior and ordering.

## Other Settings -> Dedup and FRBR Test Utility

- ▶ Tool for testing Dedup and FRBR matching and viewing key values.

## Other Settings -> Suppress Dedup/FRBR

- ▶ Stop specific records from Dedup or FRBR.

## Other Settings -> Dedup/FRBR Complete Key Combination

- ▶ Change the way Dedup and FRBR keys are generated.

# Locating Dedup/FRBR Records (PNX)

Within the Developer Tools, look for the following indicators to determine if a record is a member of a Dedup/FRBR group:

- ▶ pnx->control->isDedup
- ▶ pnx->control->sourcerecordid

There are no longer separate PNX sections for Dedup and FRBR. Both are controlled with the isDedup indicator.

```
▼ {beacon022: "338", context: "L",...}
  @id: "https://na03.alma.exlibrisgroup.com/primaws/r
  adaptor: "Local Search Engine"
  beacon022: "338"
  context: "L"
  ▶ delivery: {bestlocation: null, holding: null, elect
  ▶ enrichment: {virtualBrowseObject: {isVirtualBrowseE
  ▼ pnx: {display: {source: ["Alma"], type: ["book"], l
    ▶ addata: {aulast: ["Hughes"], aufirst: ["Langston"
      ▼ control: {sourcerecordid: ["991067608966202901"],
        isDedup: true ←
        ▶ originalsourceid: ["9910000000000001540"]
        ▶ recordid: ["alma991067608966202901"]
        ▶ score: ["20.0"]
        ▶ sourceformat: ["MARC21"]
          sourceid: "alma"
        ▶ sourcerecordid: ["991067608966202901"] ←
        ▶ sourcesystem: ["NON_SFX"]
```

# Testing Records and Viewing Match Keys

*Configuration -> Discovery -> Other Settings -> Dedup and FRBR Test Utility*

### Dedup and FRBR Test Utility

Back

Find Matching Records **Compare Records**

Grouping Type  FRBR  DEDUP

Record ID \* **991067608966202901**

**Find matching records**

**Recalculate FRBR and Dedup groups**

Record Keys

Matching Records

1 - 1 of 1

Record ID	Institution Name	Title
9910029453...	California State University Network	The novels : Not without laughter, and, Tambourines to glory

### Mutual Keys

	Key Text	Key
1	9780826213426~novelsnotwithoutlaugnest...	26383146339455388
2	novels not without laughter and tambourines to glory~2001~university of missouri press~hughes langston 1902 1967	30556102282745969
3	9780826213426~novels not without laughter and~2001	23361566534332980

Close

Recommendation: use [Ex Libris documentation](#) as a guide during troubleshooting



# Influencing Dedup/FRBR Matching





# Suppressing items from Dedup/FRBR

*Configuration -> Discovery -> Other Settings -> Suppress Dedup/FRBR*

Purpose: suppress records from Dedup/FRBR based on specific metadata values.

### Define a Suppress Rule

Cancel Save

Suppression Rule Details

Code \*  Name \*

Description  Suppress \*  Dedup and FRBR  Dedup

Suppress Conditions

Clear Conditions + Add a Con

Collection Name	Equals	My Library Collection	...
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Up to 2 conditions can be defined

Fields \*

Look-up or select

- Inventory >
- Local Fields >
- Metadata >

My Library Collection

Add

# Adding/Editing Dedup/FRBR Match Keys

*Configuration -> Discovery -> Other Settings -> Dedup/FRBR Complete Key Combination*

Purpose: control how key matching occurs

Dedup/FRBR Complete Key Combination

DEDUP FRBR

+ Add Complete Key Apply Config

Enabled	Complete Key	Type	Description
<input checked="" type="checkbox"/>	match/c5	1	External system number
<input checked="" type="checkbox"/>	match/f1 + match/f5 + match/f6	1	LCCN + brief title + year
<input checked="" type="checkbox"/>	match/f1 + FUZZY_STRING(match/f7) + match/f6	1	LCCN + fuzzy title + year
<input checked="" type="checkbox"/>	match/f1 + match/f7 + match/f6	1	LCCN + full title + pagination
<input checked="" type="checkbox"/>	search/ocolc_unique_normalize_number + match/f5 + match/f6	1	OCLC + brief title + year
<input checked="" type="checkbox"/>	search/ocolc_unique_normalize_number + FUZZY_STRING(match/f7) + match/f6	1	OCLC + fuzzy title + year

Edit Dedup/FRBR Complete Key

Complete Key Type: 1

Keys List

Key	Normalization Method	Optional
1. match/c5	-	false

+ Add Key

Key \*

match/c5

Normalization Method

Optional Field

Add Key

Recommendation: use [Ex Libris documentation](#) as a guide during troubleshooting

# Documentation & Help

## Dedup and FRBR for Primo VE (EX Libris)

- ▶ [Understanding the Dedup and FRBR Processes \(Primo VE\)](#)
  - ▶ [Configuring the Dedup and FRBR Complete Keys in Primo VE](#)
  - ▶ [Dedup and FRBR Analysis Tool for Primo VE](#)
  - ▶ [Suppressing Groups of Records from Dedup/FRBR for Primo VE](#)

## Discovery Wiki

- ▶ [Open Forum Agenda](#)
- ▶ [Support Training and Documentation](#)

### Mapping Dedup Key Fields

The following table shows how the fields from each MARC21 source record are mapped and stored in Primo VE for Dedup keys.

Key	Field Content	Type	MARC 21 field	DC Field	UNIMARC Field
C5	Control nr	1+2	035 a,z	MMS ID (Alma data) <b>Note</b> Not applicable for external data	035 a,z
F1	LCCN	1+2	010 a	dcterms:identifier dcterms:LCCN	N/A
F3	ISBN (13 or 10 digits) <small>In cases in which a record has more than one ISBN, an F3 key will be generated for each ISBN instead of appending them together.</small>	1	020 a,e 776 z	dcterms:identifier dcterms:ISBN	010 a
F3	ISSN	2	022 a,e 776 x	dcterms:identifier dcterms:ISSN dcterms:identifier dc:ISSN	011 a

# Questions/Comments

Thanks for sticking with it!

