Go VE - Become an Expert:
DEDUP & FRBR In Primo VE

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❖ Why we need DEDUP and FRBR?
❖ What happen when a record is added to Primo VE?
❖ The DEDUP and FRBR Test Utility
❖ How to suppress DEDUP and FRBR on Primo VE?
❖ Q&A
Why do we need DEDUP and FRBR?

In one line:

Real-Estate
What happens when a record is added to Primo VE?

- A DEDUP vector is created
  - The system scanning all the fields that relevant for DEDUP and create the DEDUP vector.
  - The vector includes all the data required by the Duplication Detection algorithm to determine if two records are equivalent.
  - The vectors include one or more keys that identify the record.
  - Keys are based on the metadata fields in the source record.
What happens when a record is added to Primo VE?

• Now that we have all the relevant DEDUP information for this record this is what could happen:

  • Option A:
    • The vector creates Keys that don’t match to any other Key in the system and the record stay single and his keys saved for future comparison.

  • Option B:
    • The vector creates Keys that match other Key in the system and the record DEDUP to the group with the similar Key.
    • 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 result set. and the delivery related information is created from all the records in the group.
What happens when a record is added to Primo VE?

- 2. The FRBR mechanism kicks in:
  - The FRBR is based on the IFLA Study Group on the Functional Requirements for Bibliographic Records.
  - The grouping process creates a vector for every record.
  - This vector includes one or more keys that identify the group it represents.
  - Keys are based on the metadata fields in the source record.
  - Records that have a matching key are added to a FRBR group and assigned a FRBR ID.
  - Because records can belong to one FRBR group only, Primo VE terminates the grouping process for a record as soon as it is matched with a group.
What happens when a record is added to Primo VE?

• Now that we have all the relevant FRBR information for this record this is what could happen:
  • Option A:
    • The vector creates Keys that don’t match to any other Key in the system and the record stay single.
    • The keys saved for future comparison.
What happens when a record is added to Primo VE?

• Now that we have all the relevant FRBR information for this record, this is what could happen:
  • Option B:
    • The group IDs are indexed and used during searches to group search results by the same group ID.
    • A record that belongs to FRBR group will display the Multiple versions exist. See all versions link in the brief results.
    • After performing a search, results are grouped by FRBR ID, and after clicking the Multiple versions exist. See all versions link, the results are grouped by Dedup ID.
What happens when a record is added to Primo VE?

- The system performs the following steps for both Dedup and FRBR processes, starting with the Dedup process:
  - Calculate all of the keys from the source record.
  - Find all the keys that were calculated in step 1 that already exist in the database (from previous calculations).
    - If there are keys in the DB, the system selects the group ID that is associated with the key that has the highest value (this prioritizes keys with higher priority).
    - If the record matches more than one group and the keys have the same priority, the system will select the group ID randomly.
    - If there is no existing key in the database, the system selects the key with the highest value and uses it as the group ID for future comparison.
Dedup and FRBR Test Utility
How to suppress DEDUP and FRBR on Primo VE?
Questions?
Thank you!

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