Primo VE 2019 Release Notes

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Note
The May release is a maintenance-only release.

July Sneak Peek

• Support Additional Browse Call Numbers – Allows you to enable the following new call number types: NLM, UDC and Shelving Control Number in Browse Search.

• Test Tool for Normalization Rules – Provides a tool to test the normalization rules of local search and facet fields.

• Configure Loans Display in My Library Card – Allows you to configure the brief and full display fields for loan items in My Library Card.

June Sneak Peek

Because the May release is a maintenance-only release, the next release will be in June.

• Normalization for search and facet – ability to create local facet or search field from any bibliographic field using the drools.

• Consortium – Create Custom Search Scopes for Other Institutions Based on Availability.

• Support Locations Ordering Profile configuration in Get It.

April Sneak Peek

• Add the ability to search inside the collection – Users will be able to navigate and discover items within a collection using a new search option.

• Utilize LDR and MARC Fixed Fields (006, 007, and 008) in Local Resource Type Configuration - Allow the use of regular expressions in local resource type configuration.

• Display item requestability and loan availability – In the resource sharing request form, display an indication if the institution has an available copy of an item that the user can request.
March Sneak Peek

- Enhance Visualization in Collection Discovery – Support the selection of up to four high quality images per collection coming from Alma.
- Reference Entry – Provide Users with an immediate topic overview for short topic searches.
- Merging Locations That Are Associated with a Single Library and Have the Same Name

February Sneak Peek

- Integration with Leganto - Allow users to navigate from the Full Display page in Primo VE to Leganto’s reading list.
- Normalization of Display and Local Fields for UNIMARC – Allows you to define normalization rules for UNIMARC records to adjust the display of the out-of-the-box display and local fields.
- Data source facet – The new ‘Data source’ facet will allow users to filter their results list by a specific external data source.
- Adding a new option to allow users to browse by series.

Features

Metadata Normalization for Local Search and Facets Fields

June 2019
This enhancement allows you to create normalization rules that map any MARC21 fields to local search and facet fields (maximum of 10) so that you can extend search queries and facets to additional metadata. Previously, Primo VE allowed you to map only the following MARC21 fields with out-of-the-box normalization rules to local search and facet fields: 009, 09X, 490, 5XX, 69X, and 9XX.

Note
After normalization rules for local search/facet fields are added, updated, or deleted and then applied in Primo VE, the system will automatically index new and modified records. To apply these normalization rules to existing records, you will need to open a Support ticket to re-index all records or a set of records.

To support this enhancement, the following changes have been made:

- Added the Local Fields using Search and Facets Normalization Rules page (Configuration Menu > Discovery > Other > Local Fields using Search and Facet Normalization Rules) – This page defines which local fields (maximum of 10) require custom search/facet normalization rules. For more information, see Configuring Local Search and Facet Fields for Primo VE.
The following changes were made to the Define a Local Field page (Configuration Menu > Discovery > Display Configuration > Manage display and local fields):

- The Bibliographic Local Field Mapping and Normalization Rules (for display) tabs were removed and all local field mappings and normalizations rules are now configured on the main page. For more information, see Adding a Local Field.

- For local fields that were added to the Local Fields using Search and Facet Normalization Rules page, the Define a Local Field page appears as follows:
  - The MARC21 Fields section was omitted.
  - The MARC21 normalization rule for search and facet rule was added under the MARC21 Normalization Rules section to allow you to create normalization rules for the local search and facet field.
Define a Local Field Page for Local Fields Allowing Custom Search and Facet Normalization Rules

Edit the row to open the normalization rule editor for the local field. Make sure that your conditions specify a subfield.

Normalization Rule Editor

**Note**

Until the new normalization test tool is available in the July release, you can test your normalization rules by editing and saving records with Alma’s Metadata Editor and then searching for the updated records immediately with Primo VE.

For more information, see [Adding a Local Field](#).

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Real-Time Availability Status on Resource Sharing Request Form

**June 2019**

This enhancement allows you to display an item's real-time availability status during resource sharing requests. When the new **Item Availability** field is enabled, the system will automatically perform a real-time availability check when a patron opens a Resource Sharing Request form.
After the availability check, the availability indication appears at the top of the Resource Sharing Request form. If users modify any fields on the form, they may select the Check Availability button to check for any changes to the item's availability.
Configuration Options

This feature is disabled by default. Refer to the following table to enable this feature and to customize any associated labels.

<table>
<thead>
<tr>
<th>Configuration Options</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Page</strong></td>
</tr>
<tr>
<td>Resource Sharing Form Customization page (see Configuring Request Forms for Primo VE)</td>
</tr>
</tbody>
</table>
| Get It Service Labels code table (see Configuring Display Labels for Primo VE) | Update the descriptions for the following codes if you want to customize or translate labels on the Resource Sharing Request Form:  
  - nui.request.checkAvailability.checkButtonText: CHECK AVAILABILITY  
  - nui.request.checkAvailability.inProgress: Checking item availability  
  - nui.request.checkAvailability.available: Item Available for Request  
  - nui.request.checkAvailability.notAvailable: No Item Available for Request  
  - nui.request.checkAvailability.checkFailed: Could not check item availability |

Create Custom Search Scopes for Other Institutions – Based on Availability

**June 2019**

Previously for consortia, users were permitted to search for inventory based on the metadata of other libraries/locations. This enhancement allows you to configure custom scopes that provide a more granular search of available digital, electronic, and physical inventory from the entire network and other institutions.

To support this functionality, the following changes have been made to the Define a Custom Scope page when the **Entire Network** option is selected (see Defining a Local Data Scope for more details):

1. In the Add a Condition dialog box, the Entire Network Inventory scope has been added to allow you to limit searches to available digital, electronic, and physical inventory in the entire network.
2. The name of the Network Inventory search index has been changed to Other Institution Inventory in the Add a Condition dialog box.

3. The following inventory options now appear for the Entire Network Inventory > Other institution search index in the Add a Condition dialog box:
   - Available Digital – Allows you to limit searches to another institution's available digital inventory.
   - Available Electronic – Allows you to limit searches to another institution's available electronic inventory.
   - Available Physical – Allows you to limit searches to another institution's available physical inventory.

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Merge Metadata from all Records in the Dedup Group

**June 2019**

For records that have been deduped and merged, the system previously displayed the preferred record's metadata and the merged availability status of all group members. This enhancement displays additional information regarding all records in the merged Dedup group:

- On the merged record's Full Display page, the new Dedup Member IDs field displays the merged group's member IDs on separate rows in the details.
- On the merged record's Full Display page, the Course Information field now displays merged information from all members in the group (not just the preferred record).
Configuration Options

This feature is enabled by default. Refer to the following table to display the new Dedup Member Ids field and to customize its associated label.

<table>
<thead>
<tr>
<th>Configuration Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page</td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>On the Edit Full Display Details page, add the new Dedup Member Ids field.</td>
</tr>
</tbody>
</table>

**Note**

If you omit this field, you can still view its information by appending the `showPnx=true` parameter to the record's full display URL in the browser. For example:

```
```

```json
{
  "display": {
    "source": ["Alma"],
    "crsinfo": ["$RPSY$ 360$VPSY$ 360: BIO PSYCHOLOGY; S$GV$W,FuL$V$G$pdGVy, SmVzc2l$Y$Y==", "$RBIOL$ 201$VB$ 201: PRINCIPLES OF BIOLOGY; T2xzb24=, TGlzYQ==; U21sdmVpcmE=, TGlzYQ==; QXJvbnNVbg==, QmVuamFtaW4="],
    "type": ["journal"],
    "language": ["eng"],
    "title": ["Genes & genetic systems"],
    "identifier": ["$CISSN$V1341-7568"],
    "creationdate": ["2013"],
    "publisher": ["Multiple Vendors"],
    "mms": ["991002342342503896"],
    "dedupmemberids": ["991002342347803896"],
    "relation": ["$S$Clater_title$$VGenes & genetic systems
(Online) $S$2991002344285803896"]
  }
```
Support the Ordering of Locations in Get It

June 2019
The following configurations on the Locations Ordering Profile page (Configuration Menu > Fulfillment > Discovery Interface Display Logic > Locations Ordering Profile) are now supported by Primo VE:

- **Use Alphabetical Sorting Only** – When selected, this option indicates that locations are sorted alphabetically, and the remaining sort options are ignored.

- **Use "IP best location" sorting** – When selected, this option displays the order of locations based on the user's IP address.

- **Prefer Remote Storage** – When selected, remote storage locations are given preference over temporary and permanent locations.

For more details, see Configuring the Order of Locations in Search Results.

Search Response Time Improvements

June 2019
As with previous releases, we continually improve the performance of Primo VE. With this release, response time is improved by moving the availability calculation from the Search API to a separate Delivery call. In future releases, we will focus our attention on improving performance in the search and Get It areas.

Additional Services for Digital Items in View It

June 2019
The Viewer Services page in Alma (Configuration Menu > Fulfillment > Discovery Interface Display Logic > Viewer Services) defines the supported digital content viewers, but Primo VE only supported the Alma Viewer. With this enhancement, Primo VE will support all viewers defined in Alma and display their services under the View Online section in the record's full display. In addition, it will support all related display logic rules (Configuration Menu > Fulfillment > Discovery Interface Display Logic > Display Logic Rules), which allow you to hide services based on many factors.
**Improve Performance of Results in My Favorites**

**June 2019**
The **Load more results** button has replaced endless scrolling in My Favorites (Saved Records) to improve the performance of viewing many records in Primo VE.

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**Support Usage Information for the Order of Main Menu Links**

**June 2019**
Primo Analytics now tracks the number of times each link position is clicked in the Main Menu. This usage information allows you to determine which links (up to 10 links) are used the most and to set the order of the links accordingly. This Primo Analytics enhancement was originated as an Idea Exchange suggestion.

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**Support String Manipulation in Generic XML Normalization Rules**

**June 2019**
This enhancement allows you to join strings from two child elements into a single element for generic XML normalization rules. To support this functionality, the **concat** action has been added to concatenate two elements. For more information, see [Configuring Normalization Rules for Primo VE](#).

For example:
.rule "copy creator"
  when
    true
  then
    copy "concat(//person[@pers_role='pau']/name/first/text(),'','//person[@pers_role='pau']/name/last/text())" to "dc"."creator"
end

Support Indexing and Sorting of Spanish Special Characters

June 2019
This enhancement adds a Spanish-specific character conversion filter that allows the indexing and sorting of Spanish special characters. When the Spanish filter is enabled, the following characters will not be converted to basic Latin characters (such as n, c, and so forth) and will remain as is.

- 00D1 00F1 #Ñ ->ñ
- 00F1 00F1 #ñ ->ñ
- 00C7 00E7 #Ç ->ç
- 00E7 00E7 #ç ->ç
- 0140 0140 #ŀ ->ŀ
- 013F 0140 #Ŀ ->ŀ

To enable this functionality and schedule re-indexing, please open a Support case.

Support Japanese Character Conversion Kana 2 to 2

June 2019
With this enhancement, Primo VE now supports the Japanese character conversion of two Kana characters to two characters. For example:

- きゝ will be converted to: キキ
- かゝ will be converted to:カガ

Searching within a Collection

April 2019
This enhancement adds a dedicated search box to the Collections Page to allow users to search for and filter relevant items and sub-collections that are one level below the collection. This very helpful for collections that contain many items and sub-collections.

Note

Searches within a collection will not return any sub-collection's items and sub-collections.
Search queries are matched against any search field (such as title, author, description, and subject) that is mapped from the collection's bibliographic records and may include any of the following search operators to provide a more complex search query: **AND**, **OR**, and **NOT**. In the following example, the search for the phrase **art OR crook, john** returns the following results:

### Matching Search Phrase Found in Search Fields
Configuration Options

The following table describes the configuration options that support this functionality.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View Configuration - General Tab (existing)</td>
<td>The <strong>Enable Collection Discovery Features</strong> check box enables collection discovery at the view level.</td>
</tr>
</tbody>
</table>
| Collection Discovery Labels code table (modified)                     | This table defines the labels that are associated with this functionality:  
  • nui.colldiscovery.show: **Showing items for**  
  • nui.colldiscovery.search: **Search inside the collection**                                                                                     |

Local Resource Type Normalization for MARC Leader and Fixed Fields

April 2019

The LDR and fixed fields (00X) are a primary source in MARC records for resource type identification. These identifications can be mapped to Primo VE to create new local resource types, which allow users to filter their search results with the Resource Types facet and to limit advanced searches to specific resource types. This enhancement extends the configuration of local resource types so that you can use regular expressions to normalize the LDR and MARC fixed fields (00X) as well as existing MARC field and subfields.

**Configuration Options**

To support this functionality, the **Use Regular Expression** check box has been added to the Edit Local Resource Type page (**Configuration Menu > Discovery > Display Configuration > Local Resource Types**). For more information, see **Configuring Local Resource Types for Primo VE**.

![Edit Local Resource Type](image)

When the **Use Regular Expression** check box is cleared, the fields under the **Mapping from MARC records** section are configured as follows:

- **MARC field and subfield** – Specify the MARC field and subfield in the source record that contains the resource type that you want to map to this local resource type: `<field> $<subfield>`. For example: 999 $a
• **Value in MARC field** – Specify the specific value of the resource type that you want to map to this local resource type. If the field can hold several matching values, use a semicolon to separate the possible values. For example: `exa;ex;Examination paper`

When the **Use Regular Expression** check box is selected, the fields under the **Mapping from MARC records** section are configured as follows:

• **MARC field and subfield** – Specify the MARC field in the source record that contains the resource type that you want to map to this local resource type. The valid fields include any MARC field and subfield (`<field> $<subfield>`), or a MARC fixed field (00X), or LDR. For example: 999 $a or 008 or LDR

• **Value in MARC field** – Specify the regular expression used to extract the resource type from the source field.

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### Indexing Additional MARC 21 880 Fields

*April 2019*

This enhancement maps the following MARC 21 880 fields to support additional indexing:

<table>
<thead>
<tr>
<th>Primo VE Field:</th>
<th>MARC21 fields</th>
</tr>
</thead>
</table>
| **Search/ Alttitle** | 880-210 all subfields  
| | 880-246 all subfields  
| **Search/ Addtitle** | 880-247 all subfields  
| | 880-440 all subfields; 880-490 all subfields  
| | 880-700 f, k, i, m, n, o, p, r, s, t; 880-710 f, k, i, m, n, o, p, r, s, t; 880-730 a, d, f, k, i, m, n, o, p, r, s, t; 880-740 a, n, p; 880-760 s, t; 880-765 s, t; 880-770 s, t; 880-772 s, t; 880-774 s, t; 880-775 s, t; 880-776 s, t; 880-777 s, t; 880-780 s, t; 880-785 s, t; 880-787 s, t  
| | 880-800 f, k, i, m, n, o, p; 880-810 f, k, i, m, n, o, p, r, s, t, v; 880-811 f, k, i, m, n, p, s, t, v; and 880-830 a, d, f, k, i, m, n, o, p, r, s, t, v  
| **Search/ General** | 880-260 b; 880-264 b  
| **Search/ Toc** | 880-505 a  
| **Search/ Contributor** | 880-505 r  
| | 880-720 a  
| | 880-800 a-e, j, q, u; 880-810 a-e; 880-811 a-d, n  

Ex Libris, a ProQuest Company
Support for Russian Display Language

April 2019
This enhancement adds support for the Russian display language. Users can either set their language per session or configure the default settings to display Russian text by default.

Configuration Options
To support this functionality, make sure that the Russian language is enabled for patron viewing in the Institution Languages mapping table. For more information, see Configuring Institution Languages.

UNIMARC Improvements

April 2019
The following improvements have been made to support the discovery of UNIMARC records:

- Allow records to be filtered with the Creator facet.
- Support browse by author and subject for UNIMARC headings.
- Enable hierarchical linking between the parent and child records.
- For Italian customers, permit linking based on the 4XX $a and $e subfields instead of the 4XX $t.

Note
These improvements are applied to new and updated records that are created or updated after April 7. Browse changes will be effective immediately.

Increase Facets to Retrieve up to 50 Values

April 2019
Previously, facets in Primo VE returned up to 20 facet values for local searches and up to 20 more facet values for Primo Central (PC) in blended searches. This enhancement allows you to increase the maximum number of facet values to 50 for local searches only. PC will continue to display a maximum of 20 values in blended searches.
Configuration Options

To support this functionality, the `discovery_facet_limit` parameter has been added to the Discovery Customer Parameters mapping table ([Configuration Menu > Discovery > Other > Customer Settings](#)) to allow you to configure the maximum number of facet values (default = 20) that will display in the Tweak your Results section in the results. The valid values are 20-50. For more information on configuring Customer Parameters, see [Discovery Customer Settings](#).

Enhance Visualization in Collection Discovery

**March 2019**

This enhancement allows you to promote collections by specifying which images appear on each collection's and sub-collection's tile on the Collection Discovery page and in the banner on each collection's page.

Previously, the collection tile displayed up to four images, but used the image that was defined as the collection thumbnail for the first image, and pulled the remaining images from the items associated with the collection. Now, you can use Alma's Collection Resource Editor to manage and select high quality images that you would like to display for the collection or sub-collections. You can specify locally-defined images and images defined within the collection. When images are configured, the following will display per page:

- Collection Lobby - The first four images defined for each collection will display in the collection's tile.
Collection's Tile (Maximum of 4 Images)

**Note**

- If fewer than four images are configured for a collection, only those images will appear in the tile.
- As in previous releases, the system will display the images from the collection's thumbnails and items if no images are defined for a collection.

- Collection page - The first image defined for the collection will display in its banner.

**Configuration Options**

The Discovery tab on the Collection Resource Editor page (Resources > Manage Inventory > Manage Collections) allows you to add up to 20 image files to the Manage Discovery Thumbnails list. Currently, the system uses only the first four image files in the collection's or sub-collection's tile. There are future plans to enhance the display of collections and to use all the defined images. In addition to selecting image files that are attached to the collection in Alma, you can also add local image files to the list. For more information, see Managing Images for the Collections Lobby.
Provide Users with an Immediate Topic Overview for Short Topic Searches

March 2019

Many users start their quest for material with short topic searches, often by looking for keywords to help them to dive deeper into the subject. With this new feature, you can display a short topic overview, which is derived from a reference entry in a collection that you have active, on top of the results list. In the initial release, eligible source collections include the following: Credo, Encyclopedia Britannica, Gale Virtual Reference Library, Worldbook, Netadvance, and Wikipedia. Others will be added in future.

Configuration Options

This functionality is disabled by default. The following table lists the configuration options that are supported with this functionality.

Note

Images must be in .jpg, jpe, or .png format with a maximum size of 500 KB.
<table>
<thead>
<tr>
<th>Page</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View Configuration page (General tab)</td>
<td>Select the Highlight reference entry on top field on the Views Configuration page (Configuration Menu &gt; Discovery &gt; Display Configuration &gt; Configure Views) to enable this feature.</td>
</tr>
</tbody>
</table>
| Reference Entry Labels code table | The following codes were added to support the display labels for the reference entry:  
- reference_entry.button.view_more – View more  
- reference_entry.mediatype.about_the_topic – About the topic  
- reference_entry.source – Source:  
- reference_entry.button.view_less – View less |
| Calculated Availability Text Labels code table | The following codes were added to support the availability links for the topics:  
- delivery.code.fulltext_topic – Full text available  
- delivery.class.fulltext_topic – getItGreen  
- delivery.code.fulltext_linktorsrc_topic – Full text available  
- delivery.class.fulltext_linktorsrc_topic – getItGreen |

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**Merging Locations within a Single Library That Have the Same External Name**

**March 2019**

A library can have multiple locations with different names, but may have assigned them the same external name in Alma. With this enhancement, Primo VE merges all the locations that have the same external name into a single facet value so that users will now see a single facet entry for all of them.

**Note**

- This functionality will take effect after the March release without having to reload or recalculate the data. Any change to a location's external name will be applied to the user interface immediately.
- Locations with the same name in other libraries will be listed separately under the Locations facet.

When a facet of this type is selected, the system invokes a facet search that includes all the facets that have the same external name. This is indicated by the existence of multiple `mfacet` parameters in the URL:

```
&mfacet=location_code,include,<Institution ID>-<Library ID>-<Location Code>,1
```

For example:

```
&mfacet=location_code,include,496-13641020000541-biores,1&mfacet=location_code,include,496-13641020000541-bioper,1
```
Display a User Blocks' Expiry Date in My Library Card

March 2019
This enhancement allows you to display the expiration date of user blocks in My Library Card. This can be beneficial for library patrons to view this information and to prevent related inquiries to the library staff.

Configuration Options
By default, this option is disabled. To enable this feature, change the following Description of the new nui.blocks.expiry.date code in the Library Card Labels code:

NOT_DEFINED

To something like the following, making sure that description includes the \{0\} placeholder to display the expiration date:

Expires on \{0\}.

Index Course's Searchable IDs Field

March 2019
In addition to course IDs provided by your CMS (Course Management System), this enhancement enables customers to search for course reserves based on any searchable IDs defined in Alma (see the Searchable IDs field in Managing Course Information).

For information on how to add the Course Searchable ID field to Advanced Search, see Configuring Advanced Searches.
The rules for indexing searchable IDs are applied to all new records that are created or loaded into Alma, as well as any existing records that are modified.

To index searchable IDs in relevant existing records:

1. In Alma create a set for all the records that are associated with a course. For more information on how to create an Alma set, see Managing Search Queries and Sets.

   1. On the Manage Sets page (Admin > Manage Jobs and Sets > Manage Sets), select Add Set > Logical.

   2. On the Set Details page, specify the following fields and then select Next:

      • Set name – Enter a unique name for the new set.

      • Content Origin – Select Discovery to allow searching of Primo VE metadata.

   3. On the second page of the wizard, select Advanced.

   4. In the Advanced Search box, select Has Course and Exists, and then select Search to perform an Advanced Search.
5. Select **Save** to save the new set.

2. Edit the Recalculate Local Resource Types Job (**Admin > Manage Jobs and Sets > Run a Job**) and select the new set.

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**Adding a Progress Indicator in the Get It Section**

**March 2019**

This enhancement adds the diamonds progress indicator to the Get It section on the Full Display page to inform users that the system is determining whether holdings exist. This indication will appear for consortia in the main Get It and the Get It of other institutions.

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**Link to Leganto Reading List**

**February 2019**

This enhancement allows users to access their Leganto reading lists by selecting the Course Information link under the Details section of a record's full display.

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### Course Information on the Full Display Page

**Title**: People, property, or pets?

**Creator**: Hausser, Marc D.

**Subject**: Animals -- Law and legislation -- United States

**Series**: New directions in the human-animal bond

**Publisher**: West Lafayette, Ind.: Purdue University Press

**Creation Date**: c2006

**Format**: v.230 p.; 24 cm.

**Donor Note**: 2005-05-03 sg20 2005-05-03 sg@8 2005-05-04 sg11 2005-05-05 sg@8 to Dewey sg04 2005-05-13化进程 2006-08-08 1 copy rec'd., to CIP ver. sg11 2006-08-11 2 CIP Ver sg11 2006-08-11 to LL

**Source**: Library Catalog

**Identifier**: LC: 2005012734

**ISBN**: 1557533806 (alk. paper)

**OCLC**: 9780897553807

**Course Information**: SOC 440: Sociology of Pets; Sociology 101; Connie
To support this functionality, the `<crsinfo>` normalization field, which contains all course related information (including the course code), will now store the course code in a new subfield $$R. For example:

```
<crsinfo>$$RSOCPETS$$VSOC: Sociology of Pets; Sociology; Braun, Connie</crsinfo>
```

### Configuration Options

Out of the box, the ability to link to Leganto is disabled.

**To enable this feature:**

1. Open the Views List page (Configuration Menu > Discovery > Display Configuration > Configure Views).
2. Edit your view and select the **Full Record Services** tab.
3. Configure the **Details** code, which opens the Edit Full Display Details page.
4. Select **Add Field** to open the Row Fields dialog box.
   
   1. Add the **Course Information** field.

   ![Row Fields Dialog Box for Course Information Field](image)

   2. From the **Enable Linking to Leganto** field select one of the following options to enable linking:
      
      - **Use a Permalink to the reading list** – This option opens the Leganto My Lists page, which is prefiltered for this reading list.
      - **Use a Link to the list on the Find Lists page** – This option opens the Leganto Find Lists page, which preselects this reading list.

   3. Select **Done** to return to the Edit Full Display Details page.

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### Dedup and FRBR Matching Points Improvements

**February 2019**

In comparison to Primo, the Dedup and FRBR processes used for Primo VE were much stricter and found fewer matches. This enhancement improves these processes by changing the following match criteria, which determine whether records in Primo VE are the same. For more details, see [Understanding the Dedup and FRBR Processes (Primo VE)](link).
### Note

These improvements will be applied immediately for any new record added to Alma. For existing records, the system will apply these improvements gradually over the coming weeks.

<table>
<thead>
<tr>
<th>Process</th>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dedup</td>
<td>F3 (ISSN)</td>
<td>In addition to field 022 subfields a and e, the ISSN is now also taken from field 776 subfield x.</td>
</tr>
<tr>
<td></td>
<td>F3 (ISBN)</td>
<td>In cases in which a record has more than one ISBN, an F3 key will now be generated for each ISBN. Previously, a key was generated after appending and separating the ISBNs with a semicolon, which prevented matches with records that had a single ISBN. In the following example of an eBook, an F3 key will be generated for each ISBN to allow a match:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Print record:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>020 __</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Electronic record:</td>
</tr>
<tr>
<td></td>
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<td>020 __</td>
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<td></td>
<td></td>
<td>020 __</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No longer check for subfield d (date) in all fields:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 a, b, c, q</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or 110 a, b, c, q</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or 111 a, b, c, n, q</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OR (in case no 100, 110 and 111 exist):</td>
</tr>
<tr>
<td></td>
<td></td>
<td>700 a, b, c, q</td>
</tr>
<tr>
<td></td>
<td></td>
<td>710 a, b, c, q</td>
</tr>
<tr>
<td></td>
<td></td>
<td>711 a, b, c, n, q</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For UNIMARC, no longer check for subfield f (date) in the following fields: 700, 710, 720, 701, 711, 721.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No longer check for subfield s (version):</td>
</tr>
<tr>
<td></td>
<td></td>
<td>130 a, d, m, n, p, r</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For UNIMARC, no longer check for subfield q (version) in field 500.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No longer check for subfield s (version) in field 240:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>240 a, d, m, n, p, r</td>
</tr>
<tr>
<td></td>
<td></td>
<td>245 a, b, e, f, g, n, p</td>
</tr>
<tr>
<td></td>
<td></td>
<td>242 a, b, f, g, n, p</td>
</tr>
<tr>
<td>Process</td>
<td>Field</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>246 a, b, f, g, n, p</td>
<td>247 a, b, f, g, n, p</td>
<td>740 a, b, f, g, n, p</td>
</tr>
</tbody>
</table>

Support Dedup and FRBR for DC Records

**February 2019**
As is done for MARC21 and UNIMARC records, this enhancement applies the Dedup/FRBR processes to Dublin Core (DC) records to reduce the display of duplicate records in search results. For more details, see [Understanding the Dedup and FRBR Processes (Primo VE)](#).

Enable Dedup and FRBR Suppression Based on a Library

**February 2019**
This enhancement allows you to create FRBR and Dedup rules that suppress records based on a specific library. To support this functionality, the Suppress Dedup/FRBR Rules page ([Configuration Menu > Discovery > Other > Suppress Dedup/FRBR](#)) has been updated to allow you to create rules based on a specific library's inventory. For more details, see [Suppressing Groups of Records from Dedup/FRBR for Primo VE](#).

Extend Normalization for Display to Support UNIMARC

**February 2019**
This enhancement allows you to create UNIMARC normalization rules, which allow you to alter the presentation of the out-of-the-box display fields and any local display fields that you have created in Primo VE. The normalization rules are applied immediately to the records for discovery.

To support this functionality, the Define a Display Field page ([Configuration Menu > Discovery > Display Configuration > Manage Display Fields](#)) now includes the UNIMARC Normalization Rule section, which allows you to update the
normalization rules for specific display fields after selecting it in the **Field to edit** field. For more details, see **Managing Display and Local Fields for Primo VE**.

![New UNIMARC Normalization Rule Section](image)

When editing a normalization rule for a local display field, Primo VE provides a normalization template to assist in the creation of the field's normalization rule.

---

### Add Data Source Facet for External Data

**February 2019**

This enhancement adds a new facet called **Data Source**, which allows users to filter search results by an external data source. The data source is based on the Data Source Label field on the Import Profile Details page (Configuration Menu > Discovery > Loading External Data Sources > Discovery Import Profiles).

![Import Profile Details Page](image)

### Configuration Options

The new facet is disabled by default.

To ensure that the correct label displays for the data source, you should reload your external data before enabling the new facet.

**To enable the Data Source facet:**

1. Open the View List page (Configuration Menu > Discovery > Display Configuration > Configure Views).
2. Edit your view.
3. Select the Brief Results tab.

4. In the Facets section, edit and enable the Data Source facet.

In addition, the following code tables have been updated to support the new facet: **Facet Labels** and **Facets Code Fields Labels**.

---

**Add Execution Logs for Import Profile Process**

**February 2019**

This enhancement allows you to view the execution logs for discovery import profiles so that you can determine where any issues may have occurred during the import. This information is now available on the Events Report page.

To view the execution logs for a discovery import profile:

1. Open the Import Profiles page (Configuration Menu > Discovery > Loading External Data Sources > Discovery Import Profiles).

2. For the profile that you want to monitor, select **History** to open the Job History page.

3. To view a job’s execution logs, select **Events** to open the Events Report page.

---

**Enhance Link to Resource Functionality for External Data**

**February 2019**

This enhancement improves the handling of MARC 856 fields that are used as link to resources in external records so that the links and their associated labels appear in the View It section of the record's full display. This enhancement includes the following changes:

- Calculation of the link's label – if the link to resource is taken from a MARC 856 subfield u, the y, z, or 3 subfield’s value will be used for the link's label. If the 856 field has no y, z, or 3 subfields, the system will use the defined link label. If the link label was not defined, the system will use the default label.

- Display of links – All link to resources from MARC 856 fields that have different calculated labels will appear in the View It section of the record's full display. If multiple links have the same URL and calculated link label, only one of the links will appear in the Links section.
Browse by Series

February 2019
This is an additional enhancement to the browse functionality, which now includes the ability to browse for records by series in Primo VE. A Series browse search returns an alphabetical list of headings. Each item in the results list returns a list of related records that can be sorted by title, author, date oldest, or date newest.

![Browse by Series](image)

Browse Page in Primo VE

The following figure shows an example of the alphabetical list returned from a Series browse. Users can then click one of the items in the list to display the brief results for the item.

![Browse by Series Example](image)

Configuration Options

The following table describes the configuration that supports this functionality.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Links Menu tab in View Configuration</td>
<td>Enables/Disables the Browse link that displays on the Main menu in Primo VE. To configure the Browse by Series option on the Browse Search page, edit the <code>BrowseSearch</code> code and then enable/disable the <code>series</code> option under the Browse List Options section.</td>
</tr>
<tr>
<td>Browse Search Labels code table</td>
<td>The following codes define the display labels that are associated with Browse by Series:</td>
</tr>
<tr>
<td></td>
<td>• <code>nui.browse.series</code> : Series</td>
</tr>
<tr>
<td></td>
<td>• <code>nui.browse.back.to.series</code> : Back to series from browse list</td>
</tr>
</tbody>
</table>
Accessibility Ongoing Improvements

February 2019

We are continuously working to improve product accessibility to make it comply with the standard of WCAG 2.0 AA level. In this release, we have solved the remaining accessibility issues that were received from an external audit and customer cases. Some of these fixes include the following:

• Search fields now have a programmatically determinable label.
• Fixed the **Skip to Search** link in Advanced or Browse Searches.

For JAWS users:

• Login options are now labeled.
• The arrow keys are now enabled to allow users to navigate between page selector links in the Brief Results.
• **Ctrl+ENTER** and **Ctrl+left click** were enabled on various pages in the new UI to allow links to be opened in a new window.
• For screen reader users, added titles and labels to Resource Recommender page.
• Removed unnecessary elements such as the "Show more filters" at the end of Tweak My Result section.
• Added "search results" to the number followed by the facet value to make clearer for screen readers.
• Changed the labels of the search scope drop-down control to make them clearer.
• Fixed the aria-labels in the User area menu.
• In various places in the new UI (such as brief results and full display), patrons cannot right-click links and open them in a new tab. This has been fixed.

We will soon publish the accessibility alignment plan for 2019, which is based on our accessibility audit and customer cases and reports that were communicated to the working group.

Improve Availability Status and Delivery Options for Electronic Items in Multicampus Configuration

February 2019

This enhancement improves the accuracy of the availability status and proposed delivery services for electronic items in multicampus configurations:

• Availability status – If any of the following conditions are met, the **available online** status will display for items to which the user has access to its full text:
  ◦ A record has been activated for the campus to which the view is affiliated.
  ◦ The user is on campus at any of the campuses for which the record is available.

If none of the conditions are met, the status will display **check for available services**.

• Delivery options – In the View It section of the record's full display, users will see links to which they have access. If there are no available links, the **How to get it** section will appear in the record's full display.
Support Auto Complete for Consortia

February 2019
This enhancement allows member institutions in a consortium to enable the Auto Complete feature for their users. When this feature is enabled for a view, Primo VE requests suggestions from the Auto Complete service as users type in their queries, and then displays the suggestions under the search box. For example:

![Auto Complete Example](image)

To enable this functionality, select the **Auto Complete Enabled** field on the General Tab in the View Configuration Wizard. For more details, see [Defining a View](#).

Improve Display of UNIMARC Items

February 2019
This enhancement includes the following changes to the UNIMARC mapping include missing punctuation and subfields:

<table>
<thead>
<tr>
<th>Display Field</th>
<th>Old Mapping</th>
<th>New Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creator</td>
<td>700 $a $b $c</td>
<td>700 #1 $a, $b &lt;$c&gt; $d &lt;$f&gt;</td>
</tr>
<tr>
<td></td>
<td>701 $a $b $c</td>
<td>701 #1 $a, $b &lt;$c&gt; $d &lt;$f&gt;</td>
</tr>
<tr>
<td></td>
<td>710 $a $b $c</td>
<td>710 #1 $a &lt;$c&gt; : $b</td>
</tr>
<tr>
<td></td>
<td>710 $a $b $c</td>
<td>710 02 $a &lt;$c&gt; : $b</td>
</tr>
<tr>
<td></td>
<td>711 $a $b $c</td>
<td>710 12 $a : $b : &lt;$c&gt; &lt;$d&gt;, $f, $e</td>
</tr>
<tr>
<td></td>
<td>710 $a $b $c</td>
<td>711 01 $a &lt;$c&gt; : $b</td>
</tr>
<tr>
<td></td>
<td>711 $a $b $c</td>
<td>711 02 $a &lt;$c&gt; : $b</td>
</tr>
<tr>
<td></td>
<td>711 12 $a : $b : &lt;$c&gt; &lt;$d&gt;, $f, $e</td>
<td>Example:</td>
</tr>
<tr>
<td>Display Field</td>
<td>Old Mapping</td>
<td>New Mapping</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td></td>
<td>700 #1$Hume $bDavid $f1711-1776</td>
<td></td>
</tr>
<tr>
<td>Contributor</td>
<td>701 abcf 702 abcf 7110 abcg 7120 abcg 7111 a-g 7121 a-g</td>
<td></td>
</tr>
<tr>
<td></td>
<td>702 #1 $a, $b &lt;$c&gt; $d &lt;$f&gt; 702 #0 $a &lt;$c&gt; $d &lt;$f&gt; 712 01 $a &lt;$c&gt; : $b 712 02 $a &lt;$c&gt; : $b 712 12 $a : $b : &lt;$c&gt; &lt;$d&gt;, $f, $e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Example: 702 #1Salte $bPhilippe $f1960-.... $céd. scientifique $ctrad.</td>
<td></td>
</tr>
<tr>
<td>Title</td>
<td>200 $a, $e, $h, $i</td>
<td></td>
</tr>
<tr>
<td></td>
<td>200 $a, $b, $c, $d, $e, $f, $g, $h, $i</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Punctuation will appear as follows: 200$$a [200$$b]. 200$$c = 200$$d : 200$$e / 200$$f ; 200$$g. 200$$v. 200$$h. 200$$i</td>
<td></td>
</tr>
<tr>
<td></td>
<td>If multiple $$a subfields exist, they will be separated by a &lt;space&gt;&lt;semicolon&gt;&lt;space&gt;. For example: 200$$a : 200$$e ; 200$$a [200$$b]. 200$$c = 200$$d : 200$$e / 200$$f ; 200$$g. 200$$v. 200$$h. 200$$i</td>
<td></td>
</tr>
</tbody>
</table>

**Support NDC Classification**

**February 2019**

With this enhancement, the following capabilities have been added to support the Nippon Decimal Classification (NDC), which is stored in the MARC 084 field:

- Filtering results with the new **Classification NDC** facet in the brief results.
- Performing advanced searches with the new **Classification NDC** search index.
- Display the NDC in the details section of the record's full display. The NDC classification is mapped to the Identifier field.

To configure this enhancement, enable the new **Classification NDC** fields in the Brief Results and the Advanced Search Configuration tabs on the Views Configuration page. For more information, see [Configuring Discovery Views for Primo VE](#).

**Kana to Romaji Transliteration**

**February 2019**

This enhancement allows users to search in Kana (either Hiragana or Katakana) and find results with the matching Romanji.
value. For Japanese customers, during indexing, documents with Japanese language will be expanded to index the Katakana value based on the Romaji value.

---

### Polish Language Search and Sort Issues

**February 2019**

This enhancement utilizes the alphabetical order of Polish characters to get proper results upon the following:

- **Searches** – Searches for letters with diacritics should return matches for diacritics, not the regular letters. Letters with diacritics will not be normalized.

  For example:

<table>
<thead>
<tr>
<th>Search for:</th>
<th>Will search for the phrase:</th>
<th>Will NOT search for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ławica</td>
<td>ławica</td>
<td>lawica</td>
</tr>
<tr>
<td>chłopiec</td>
<td>chłopiec</td>
<td>chlopiec</td>
</tr>
<tr>
<td>żrebna</td>
<td>żrebna</td>
<td>zrebna</td>
</tr>
</tbody>
</table>

- **Sorting** – Search results will be sorted in relevance to the Polish Alphabetical order. This means that a character with a diacritic will be sorted after the character that does not have a diacritic.

---

### New Premium Sandbox Policy

**February 2019**

As previously announced, Ex Libris is updating the premium sandbox policy for all of the products that run on the cloud platform (Alma, Primo VE, Leganto, and Esploro) and upgrading the premium sandbox environment's underlying technology. For detailed information on the new policy, see [Ex Libris New Premium Sandbox Policy: Frequently Asked Questions](https://www.exlibrisgroup.com).

As a result of the new policy, the Sandbox Management page in the Configuration menu and the sandbox widget on the Alma home page were removed. Instead, in your production environment, there is now a link to your premium sandbox from the **Help** menu:
In your sandbox environment, the date of the last clone from production appears:
New Primo Central Activation User Interface

February 2019

The Primo Central Activation user interface has been given a new look and feel and improved performance. The new UI allows users to select collection criteria (such as subscription and access information) and to perform searches on provider and collection names to help manage the activation of your library’s collections. In addition, users now have the ability to add notes to collections to provide additional information regarding their activation or deactivation.

Note

The new user interface will be released on January 27, 2019.

Provider List

After selecting a Provider’s link in the Provider List, the Collection List opens, allowing you to activate/deactivate collections individually or in bulk. In addition, you can select collection filters and search further on the collection name to narrow your results.
Support Citation Style Language (CSL)

January 2019

With this enhancement, institutions can use the new Citations Styles List page (Configuration Menu > Discovery > Other > Citations Styles) to manage and include additional citation style languages, which are stored in GitHub’s CSL Style Repository.

For configuration details, see Managing Citation Styles for Primo VE.

Pre-Filter Search

January 2019
This enhancement allows users to limit their initial search results by selecting the following filters prior to executing a search using Primo VE’s basic search:

- **Resource Type** – This filter allows users to narrow their searches to a specific type of resource (such as books or journals). If disabled, searches include all resource types.

- **Search Type** – If filtering by search field is enabled, this filter allows users to select from the following options:
- **that contain my query words** – The search terms must be found in the selected search field.
- **with my exact phrase** – The exact phrase must be found in the selected search field.
- **begins with** – The search terms must be found at the start of the search field.

- **Search Field** – This filter allows users to narrow their searches to a specific search field (such as the author or title) using the operation selected in the Search Type drop-down list. If disabled, searches include all search fields in the record.

![All Pre-Filters Enabled](image)

### Configuration Options

To support this functionality, the **Enable for Basic Search** check box has been added to the following sections on the Advanced Search Configuration tab of the View Configuration page:

- **List of Indexes** – When selected, this option displays the Search type and Search Field drop-down lists below the basic search box.
- **List of Resource Types** – When enabled, this option displays the Resource Type drop-down list below the basic search box.

![Advanced Search Configuration Tab on View Configuration Page](image)

Labels for the Pre-filter drop-down lists are defined in the Basic Search Pre-Filters Labels code table. For more information, see [Configuring Display Labels for Primo VE](link).
Improve Renew Selected in My Library Card

January 2019

This enhancement adds the ability to renew selected loans from the list with one click in My Library Card. The following renew options are supported in the Loans tab:

- **RENEW SELECTED** (new) - This button appears at the top of the loan list if any but not all loans have been selected in the list. When selected, only the selected loans will be renewed.

- **RENEW ALL** (existing) – This button appears at the top of the loan list when there is a single loan in the list, when no loans are selected in the list, and when all of the loans are selected in the list. When selected, it will attempt to renew all loans in the list.

- **RENEW** (existing) – This button appears for a loan in the list if it can be renewed. When selected, only that loan will be renewed.

<table>
<thead>
<tr>
<th>Loans Tab in My Library Card</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Loans Tab in My Library Card" /></td>
</tr>
</tbody>
</table>

**Configuration Options**

The following table lists the configurations that are supported with this functionality.

<table>
<thead>
<tr>
<th>Configuration Options</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Page</strong></td>
</tr>
</tbody>
</table>
| Library Card Labels code table | The following code was added to define the new Renew Selected button in the Loans tab:  
  - nui.loans.renewselected – Renew Selected |
| Loans Lists Labels code table | The following codes were added to define the messages used in the Loans tab:  
  - nui.loans.renewselected.success.fetchall – The selected loans have been successfully renewed  
  - nui.default.loans.renewselected.fail.fetchall – Renew has failed for the selected loans |
The following codes were added to define the new renew buttons in the Loans tab:

- `nui.aria.account.loans.renew` – Renew
- `nui.aria.account.loans.renewall` – Renew All
- `nui.aria.account.loans.renewselected` – Renew Selected

### Increase Visibility of Citation Trail

**January 2019**

This enhancement allows users to access the Citation Path page from the Brief Results page. Previously, the following citation links were available only on the Full Display page:

- ![View records that this record cites.](image)

- ![View records that cite this record.](image)

Now the links also appear on the Brief Results page:

Selecting a citation link, opens the Citation Path page, which contains the list of citations and the path to the selected record.

### Configuration Options

The **Citation Trail** option on the Full Record Services Tab of the View Configuration page allows you to activate citation trails in the UI. For more information, see [Configuring the Citations Service](#).
Transport Layer Security (TLS) Support

January 2019

TLS is a cryptographic protocol that provides authentication and data encryption between different endpoints (for example, the user’s desktop and the application server). Various vulnerabilities (such as POODLE and DROWN) have been found in TLS versions 1.0 and 1.1 in recent years.

To avoid security vulnerabilities and to align with industry standards, Ex Libris is removing its support for TLS 1.0 and 1.1 in both Alma and Primo. This will occur on all sandbox environments as of the March release (February 17th, 2019) and on all production environments as of the May release (May 5th, 2019). Effective May 6, 2019, Ex Libris will support only TLS 1.2 or later.

You can find additional information on TLS at:

- https://www.thesslstore.com/blog/apple-microsoft-google-disable-tls-1-0-tls-1-1/

Resolved Issues

- **June 2019** SF: 00674854, 00675965
  EZproxy did not allow off-campus access of Primo resources. This has been fixed.

- **June 2019** SF: 00670199
  In some cases, title-level requests failed and returned the following message for consortia: No items can fulfill the submitted request. This has been fixed.

- **June 2019** SF: 00665683
  Korean searches in Primo VE returned far fewer results than searches in the Alma repository. This has been fixed.

- **June 2019** SF: 00627308
  An issue with user parameters in the Primo User JWT API has been fixed. For more information about the API's parameters, see Primo User JWT.

- **June 2019** SF: 00445356
  In some cases, the date for saved records in My Favorites displayed null. This has been fixed.

- **June 2019** SF: 00635583, 00664198
  Searches for the author's name in Hebrew did not retrieve any results in basic search. This has been fixed.

- **June 2019** SF: 00619870
  Information that included parentheses in local MARC fields was not displayed correctly in local display fields. This has been fixed.

- **June 2019** SF: 00639838, 00662874
  In some cases, Primo VE searches were taking too long (see Search Response Time Improvements). This has been fixed.

- **June 2019** SF: 00575235, 00641071, 00575235, 00641071
  In some cases, HTML information appeared in the highlighted portion of the result's snippet. This has been fixed.

- **June 2019** SF: 00630976, 00630977, 00630978
  In some cases, the normalization rules were not applied correctly for Kanji. This has been fixed.

- **June 2019** SF: 00631011
  Sort ranking of Japanese searches has been improved.
• June 2019 SF: 00631009
  Exact searching in Japanese has been improved.

• June 2019 SF: 00594829, 00659634
  In some cases, article full text linking failed. This has been fixed.

• June 2019 SF: 00582886, 00590408, 00607105, 00659972
  In some cases, the following error message appeared when authentication failed: User is unauthorized in Alma. This has been fixed.

• June 2019 SF: 00556581, 00566745, 00608112, 00631442
  The custom label for partial digitization requests did not display. This has been fixed.

• June 2019 SF: 00526169, 00545911, 00631459
  In some cases, expected author names were missing in results for Author Browse. This has been fixed by allowing you to select which vocabulary to use for Author Browse in View Configuration.

• April 2019
  If a lateral link (such as creator or is part of) included a semicolon in the text, the link was broken. This has been fixed.

• April 2019 SF: 00573383, 00583600, 00597207, 00623084, 00624364, 00630812
  Bibliographic records with only suppressed holdings were appearing in Primo VE when the SupressBibsWithSupressedHol customer parameter was set to true. This has been fixed.

• April 2019 SF: 00643458, 00644683, 00658888, 00656444
  The Loading data message box stayed open in the MD Editor after selecting Normalization rules for External Data sources from the Discovery configuration menu. This has been fixed.

• April 2019 SF: 00511160
  The following issues with JAWS were corrected:
  1. After reaching the search box with the down arrow, JAWS returns "Search anything", and Enter allows users to type a query.
  2. There is only one sign-in link, and it had a bad aria-label.

• April 2019
  When using JAWS, Skip to Advanced Search did not work for advanced searches. This has been fixed.

• April 2019 SF: 00601545
  The OpenURL for bX recommendations was not working in Internet Explorer. This has been fixed.

• April 2019 SF: 00624034
  The Discovery import profile did not delete records with LDR pos. 5='d'. This has been fixed.

• April 2019 SF: 00642344
  Typographical errors were corrected in the out-of-the-box Spanish labels.

• April 2019
  Direct Linking was not working properly for PC link to resource records and external data source records. This has been fixed.

• March 2019 SF: 00631236
  The Database Search label continued to display after switching from Database Search to Journal Search. This has been fixed.

• March 2019 SF: 00642017
  Unable to import MARC records when the 035 field was missing in the source record. This has been fixed so that the system uses the 001 field when the 035 field is missing.
• **March 2019** SF: 00625319
  The Journal Search label continued to display after switching from Journal Search to Database Search. This has been fixed.

• **March 2019** SF: 00560398, 00570898, 00629891
  Physical records would not display in the results unless the "Held at My Library" facet was selected. This has been fixed.

• **March 2019** SF: 00568280, 00647954, 00648582
  The `display_specific_related_items` parameter was set to `true`, but sometimes Primo VE displayed all items instead of a specific item. This has been fixed.

• **March 2019** SF: 00516756, 00585475, 00586810, 00622673, 00637262
  When commas were included in the Journal Search, expected results were not returned. This has been fixed.

• **March 2019** SF: 00591428
  In some cases, incorrect results were returned after selecting the "available online" and "physical copies available in library" facets. This has been fixed.

This fix is applied to all new records that are created or loaded into Alma, as well as any existing records that are modified.

• **March 2019** SF: 00621480, 00621828, 00622907, 00625732, 00627302, 00628920, 00629395, 00629998, 00630850, 00631467, 00633261, 00635327
  In some cases, the "available online" status changed to no inventory when switching to the record's full details. This has been fixed.

• **February 2019** SF: 00633662
  Korean searches were not working. This has been fixed.

• **February 2019** SF: 00535641, 00582529, 00600845, 00604091
  General electronic services were not displaying for guest users. This has been fixed.

• **February 2019** SF: 00569611, 00620046, 00621055, 00624158, 00626306
  Clicking RSS from saved searches sometimes returned a HTTP 500 error. This has been fixed.

• **February 2019** SF: 00543559, 00565440, 00613156, 00623003, 00624699, 00637715
  Searches for ISSN and ISBNs without hyphens returned no results. This has been fixed.

• **February 2019**
  When using the Journal search link from the classic Primo UI, the deep link redirection configuration was not applied and users received a 400 error. This has been fixed.

• **February 2019** SF: 00556880, 00563368, 00582989, 00599192, 00635318
  For 6XX fields, subfield information was displayed in the incorrect order in the record's full details. This has been fixed.

• **February 2019** SF: 00593507
  The full text of an item's public note was not displaying. This has been fixed.

• **February 2019** SF: 00595736
  Searches with Swedish characters that had diacritics returned incorrect results. This has been fixed.

• **February 2019** SF: 00602322
  Consortia were unable to request library items outside of their instances because request was not an option. Fulfillment network request options in Primo VE appeared incorrectly in some of the titles. This has been fixed.

• **February 2019**
  For consortia, eJournals were not searchable with Journal Search. This has been fixed.

• **February 2019** SF: 00580522, 00610898, 00611748
  In some cases, the View It section was missing for consortia. This has been fixed.
• **February 2019** SF: 00529209
  For purchase requests, the following issues were fixed:
  - All information was not filled in automatically in the Purchase Request Form.
  - The label for the end page was missing in the Requester note.
  - A space was missing between the title and the start page and between the start and end pages in the Requester note.
  - The issue number was missing in the Requester note.

• **February 2019**
  Databases categories were sorting by rank instead of by title. This has been fixed.

• **February 2019** SF: 00622417, 00622903, 00623423, 00624602, 00624648, 00624925, 00625005, 00625502, 00625900, 00626101, 00626198, 00627074, 00628203, 00629875, 00632772
  In some cases, links to articles were not returning the correct article. This has been fixed.

• **February 2019** SF: 00584630, 00629448
  Copyright statement was not visible after submitting request. This has been fixed.

• **January 2019** SF: 00512565, 00552108, 00579396, 00610006
  In some cases, the system referred to the address as mandatory field and displayed the **The Field Address line 1 is mandatory** message when users attempted to change their passwords from My Library Card > Personal Details. This has been fixed.

• **January 2019** SF: 00585974, 00588416, 00595254, 00601454, 00607315
  The physical version of an item did not display when there was an electronic version. This has been fixed.

• **January 2019** SF: 00591138
  Exact searches for an author in Advanced Search returned results that did not contain the author. This has been fixed.

• **January 2019** SF: 00590414, 00594332
  In a fulfillment network, users were not able to pick up an item provided by another institution from their own institution. This has been fixed.

• **January 2019** SF: 00607622
  In some cases, the **Available in library** facet did not display when the results contained physical items. This has been fixed.

• **January 2019**
  For collaborative networks with no Network Zone, eJournals were not searchable in Journal Search. This has been fixed.

• **January 2019** SF: 00616366, 00618295
  For digital resource sharing requests in a fulfillment network, the patron’s email address was replaced with the library’s email. This has been fixed.