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# Primo VE Basic Normalization Rules Workshop

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- ❖ Normalization Structure & Syntax
- ❖ Display Fields
- ❖ Local Fields



# Mapping to the Display, Facets, and Search Sections in the Primo VE Record

Alma Production	<b>Search Configuration</b> Search Profiles ★ Ranking Configuration
Acquisitions	<b>Display Configuration</b> Configure Views Manage display and local fields Manage Tags Labels
Resources	
Discovery	<b>Loading External Data Sources</b> Discovery Import Profiles
Fulfillment	<b>Publishing</b> Publishing Profiles
Admin	<b>Other</b> Resource Recommender Configuration Central Index and proxy set-up
Analytics	

1. Introduction
2. Primo VE Display Section
  - 2.1. MARC21 and KORMARC - Display Mapping
  - 2.2. UNIMARC - Display Mapping
  - 2.3. CNMARC - Display Mapping
  - 2.4. Dublin Core - Display Mapping
3. Mapping Resource Types in Primo VE
  - 3.1. MARC21 and KORMARC - Resource Type Mapping
  - 3.2. UNIMARC - Resource Type Mapping
  - 3.3. CNMARC - Resource Type Mapping
  - 3.4. Dublin Core - Resource Type Mapping
4. Primo VE Facets Section
  - 4.1. MARC21 and KORMARC - Facets Mapping
  - 4.2. UNIMARC - Facets Mapping
  - 4.3. CNMARC - Facets Mapping
  - 4.4. Dublin Core - Facets Mapping
5. Primo VE Search Section
  - 5.1. MARC21 and KORMARC - Search Mapping
  - 5.2. UNIMARC - Search Mapping
  - 5.3. CNMARC - Search Mapping
  - 5.4. Dublin Core - Search Mapping



# DROOLS

```
rule "title"  
  when  
    Condition1 <Boolean operator>  
    Condition2 <Boolean operator>  
    ...  
    Condition(n)  
  then  
    Action1  
    Action2  
    Action(n)  
end
```

## Normalization rule for Edition

```
rule "Primo VE - Complete Edition 250"  
  when  
    MARC:"250" has any "3,a,b"  
  then  
    create pnx."display"."edition" with MARC:"250" sub without sort "3,a,b"  
  end  
  
rule "Primo VE - Complete Edition 880-250"  
  when  
    MARC:"880" has any "3,a,b" AND  
    MARC:"880":6 match "250-.*"  
  then  
    create pnx."display"."edition" with MARC:"880" sub without sort "3,a,b"  
  end
```

Restore Default

Close

Save



# Documentation & Examples

Home » Primo » Product Documentation » Primo VE » Primo VE (English) » Display Configuration » Configuring Normalization Rules for Dis

## Configuring Normalization Rules for Display and Local Fields

Home » Primo » Product Documentation » Primo VE » Primo VE (English) » Display Configuration » Managing Display and Local Fields for Pt

## Managing Display and Local Fields for Primo VE

Home » Primo » Product Documentation » Primo VE » Primo VE (English) » Other Configurations » Configuring Local Search and Facet Field

## Configuring Local Search and Facet Fields for Primo VE

Home » Primo » Product Documentation » Go VE » Step 3: Configuration » Go VE: Converting Local Fields in Primo to Primo VE

## Go VE: Converting Local Fields in Primo to Primo VE

Home » Primo » Product Documentation » Go VE » Step 3: Configuration » Go VE: Customizing the Default Display Fields in Primo VE

## Go VE: Customizing the Default Display Fields in Primo VE

ExLibris  
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Tech Blog

Primo VE Normalization  
Rule Examples



# Display Fields



View Configuration

TR\_INTEGRATION\_INST:GoVE

View Name Go Primo VE

General Links Menu Search Profile Slots Advanced Search Conf

Brief Record Display Full Record Services Manage Customization Pac

Display Fields

Fields

- 1 Vernacular Title ; Title
- 2 Creator ; Contributor
- 3 Creation date ; Dissertation
- 4 -

**Brief Display**

View Configuration

TR\_INTEGRATION\_INST:GoVE

View Name Go Primo VE

General Links Menu Search Profile Slots

Advanced Search Configuration Brief Results Brief Record Display

Full Record Services Manage Customization Package

Restore

Code	Description		
1 searchWithinJournal	Search for articles within a journal	▼	
2 quickAccess	Quick Access	▼ ▲	
3 getit_link1	View It/Get It	▼ ▲	
4 ngrs	prima.services.ngrs	▼ ▲	
5 details	Record details	▼ ▲	⋮

**Full Display**

Edit Full Display Details

TR\_INTEGRATION\_INST:GoVE

Delimiter \* ;

Restore + Add Field

Fields

- 1 Title ; Vernacular Title
- 2 Creator ; Contributor
- 3 Is Part Of

# Local Fields



Alma Production

Acquisitions

Resources

Discovery

Fulfillment

Admin

Analytics

Manage Display and Local Fields Cancel

1 - 24 of 24 + Add field Apply rules 🔄 ⚙️

	Field	Label	Updated by	
1	local_field_01	Sort	exl_support	...
2	local_field_02	Sort	exl_impl	...
3	local_field_03	Rights	exl_impl	...
4	local_field_04	Author Fixed	exl_support	...
5	local_field_05	Notes	exl_support	...
6	local_field_06	Content	exl_impl	...
7	local_field_07	MDA	exl_impl	...
8	local_field_09	OCLC SEARCH FIELD	exl_support	...
9	local_field_100	Notes	exl_impl	...

**Context Menu:**

- Add display field
- Add local field

# Local Fields



### Normalization rule for local\_field\_01

```
rule "Primo VE - Lds01"  
  when  
    MARC is "362"."a"  
  then  
    create pnx."display"."lds01" with MARC "362"."a"  
  end
```

Close Save

### Define a Local Field

Field to edit: local\_field\_01 Display label: [ ]

Local field details

- Enable field for search
- Enable field for facet
- Use Translations
- Use the parallel Local Field 01/50 from the Dublin Core record
- Use full text links for indexing

MARC21 Fields

No fields selected

MARC21 Normalization Rules

Normalization rule	Updated by	Updated date
1 MARC21 normalization rule for display	-	-





## MARC to local\_field

- The available fields for **MARC21** and **KORMARC** are:  
009, 09X, 490, 5XX, 69X, 9XX
- The available fields for **UNIMARC** are:  
3XX, 6X9, 69X, 9XX
- The available fields for **CNMARC** are:  
009, 225, 3XX, 410, 411, 69X, 9XX

Define a Local Field Back Save

Field to edit \*

Display label \*

Local field details

Enable field for search

Use the parallel Local Field 01/50 from the Dublin Core record

Enable field for facet

Use full text links for indexing

Use Translations

MARC21 Fields

1 - 1 of 1 + Add MARC21 Fields 🔍 ⚙️

MARC21 Field		
1	500	⋮



# Rule Syntax

### Existence Checks

**When**

- MARC is "<field>"
- MARC is "<field>". "<subfield>"
- MARC."<field>" has any "<subfield list>"

## Title

### When

- Existence checks
- additional conditions

### Then

...

### End

<ul style="list-style-type: none"><li>• <b>is</b> Applies the actions when a specific field/subfield exists</li></ul>	MARC is "880" MARC is "260"."c" MARC.control is "001"
<ul style="list-style-type: none"><li>• <b>match</b> contents of subfield matches a regular expression</li></ul>	MARC."880"."6" match "505-.*"
<ul style="list-style-type: none"><li>• <b>has any</b> field exists and has any of the specified subfields</li></ul>	MARC."700" has any "a,b,c,d,e,j,q,u"
<ul style="list-style-type: none"><li>• <b>equals</b> entire contents of the specified subfield matches</li></ul>	MARC."260".ind"1" equals "3"



## Rule Syntax

### Assignment Actions

#### Then

- set <PNX field> to <field>
- create <PNX field> with <field>

**Title**

**When**

...

**Then**

- source definition
- Transformation actions
- Assignment command

**End**



# String Manipulation

## Actions – String manipulation

*TEMP 1 = A person's a person,  
TEMP 2 = no matter how small.*

<ul style="list-style-type: none"><li>• <b>remove substring using regex</b> removes a substring from the contents of a temporary field using a specified regular expression</li></ul>	<pre>remove substring using regex (TEMP"1","(/ : ; = ,)+\$") TEMP 1 = A person's a person</pre>
<ul style="list-style-type: none"><li>• <b>add prefix</b> Adds the specified value to the beginning of the temporary field</li></ul>	<pre>add prefix (TEMP"1","Dr. Seuss: ") TEMP 1 = Dr. Seuss: A person's a person,</pre>
<ul style="list-style-type: none"><li>• <b>concatenate with delimiter</b> concatenates the contents of two temporary fields and separates them with a delimiter The result is placed in the first temporary field</li></ul>	<pre>concatenate with delimiter (TEMP"1",TEMP"2"," ") TEMP 1 = A person's a person, no matter how small.</pre>
<ul style="list-style-type: none"><li>• <b>replace string by string</b> replaces all occurrences of a regular expression with a specified value</li></ul>	<pre>replace string by string (TEMP"1","[^a-z]","\\?") TEMP 1 = personsaperson</pre>

## Actions – String manipulation

*TEMP 1 = A person's a person,  
TEMP 2 = no matter how small.*

<ul style="list-style-type: none"><li>• <b>return list using regex</b> searches for all occurrences of a regular expression in the second temporary field and copies them as a list to the first temporary field</li></ul>	<pre>return list using regex (TEMP"1",TEMP"2","[a-z]{3}")</pre>
<ul style="list-style-type: none"><li>• <b>remove string</b> removes a specified string from a temporary field</li></ul>	<pre>remove string (TEMP"1","person") TEMP 1 = a's a,</pre>
<ul style="list-style-type: none"><li>• <b>remove leading and trailing spaces</b> removes beginning and trailing spaces in a temporary field.</li></ul>	<pre>remove leading and trailing spaces (TEMP"1")</pre>
<ul style="list-style-type: none"><li>• <b>replace spaces</b> replaces all spaces in a temporary field with a specified character or string</li></ul>	<pre>replace spaces (TEMP"1","+") TEMP 1 = A+person's+a+person,</pre>



## Example

### Actions – String Manipulation

## add prefix

**when**

```
MARC is "245"."a"
```

**then**

```
set TEMP"1" to MARC."245" subfields "a"  
add prefix(TEMP"1", "J. K. Rowling : ")
```

245 |a Harry Potter



TEMP"1" = J. K. Rowling : Harry Potter



## Example

### Actions – String Manipulation

# concatenate with delimiter

When

MARC."650" has any "a,b,c,v"

Then

set TEMP"1" to MARC."650" subfields "a"

set TEMP"2" to MARC."650" subfields "v"

concatenate with delimiter (TEMP"1",TEMP"2", "---")



650 |a Astronomy |v Juvenile literature.

TEMP"1" = Astronomy --- Juvenile literature.





## Example

### Actions – String Manipulation

# delimited by

When

MARC."650" **has any** "a,b,c,v"

Then

**set** TEMP"1" to MARC."650" subfields "a,v" **delimited by** " --- "



650 |a Astronomy |v Juvenile literature.

TEMP"1" = Astronomy --- Juvenile literature.



## Example

### Actions – String Manipulation

# replace string by string

## When

```
MARC is "999"."a"
```

## Then

```
set TEMP"1" to MARC."999" subfields "a"
```

```
replace string by string (TEMP"1", "^mailto:", "Email: ")
```



```
999 |a mailto:John.Doe@exlibrisgroup.com
```

```
TEMP"1" = Email: John.Doe@exlibrisgroup.com
```



## Example

### Actions – String Manipulation

# remove string

## When

```
MARC is "999"."a"
```

## Then

```
set TEMP"1" to MARC."999" subfields "a"  
remove string (TEMP"1", "mailto:")
```



```
999 |a mailto:John.Doe@exlibrisgroup.com  
TEMP"1" = John.Doe@exlibrisgroup.com
```



## Example

### Actions – String Manipulation

## remove substring using regex

### When

```
MARC is "245"."a"
```

### Then

```
set TEMP"1" to MARC."245" subfields "a"
```

```
remove substring using regex (TEMP"1", "(/|\.|;|=|,)+$")
```



245 |a Harry Potter.

TEMP"1" = Harry Potter



**Q: how do I display MARC 500 based on the condition that MARC 035 begins with: (OCLC) ?**

```
rule "Primo VE - Lds02"  
when  
    MARC."500" has any "a,z" AND  
    MARC is "035"."a" AND  
    MARC."035"."a" match "\ (OCLC\).*"   
then  
    set pnx."display"."lds02" to MARC."500" sub without sort "a,z"  
end
```