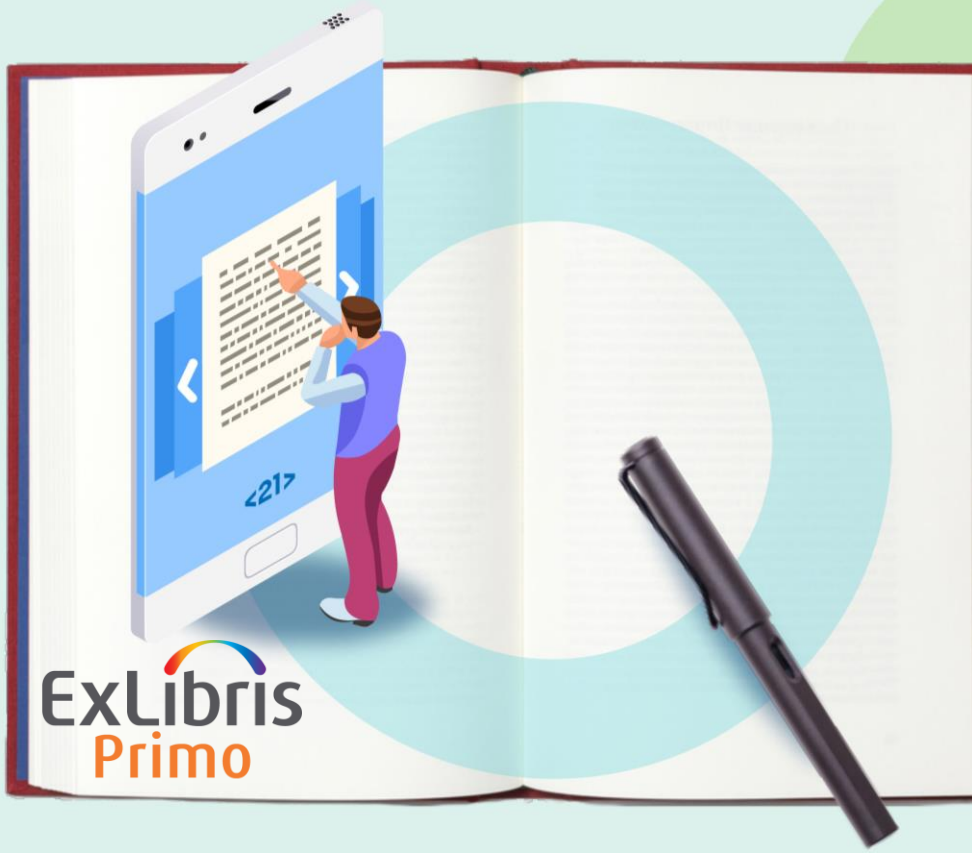
# Primo VE Become an Expert

## Local Fields - I




BenYishai Ze’evi

November 2020

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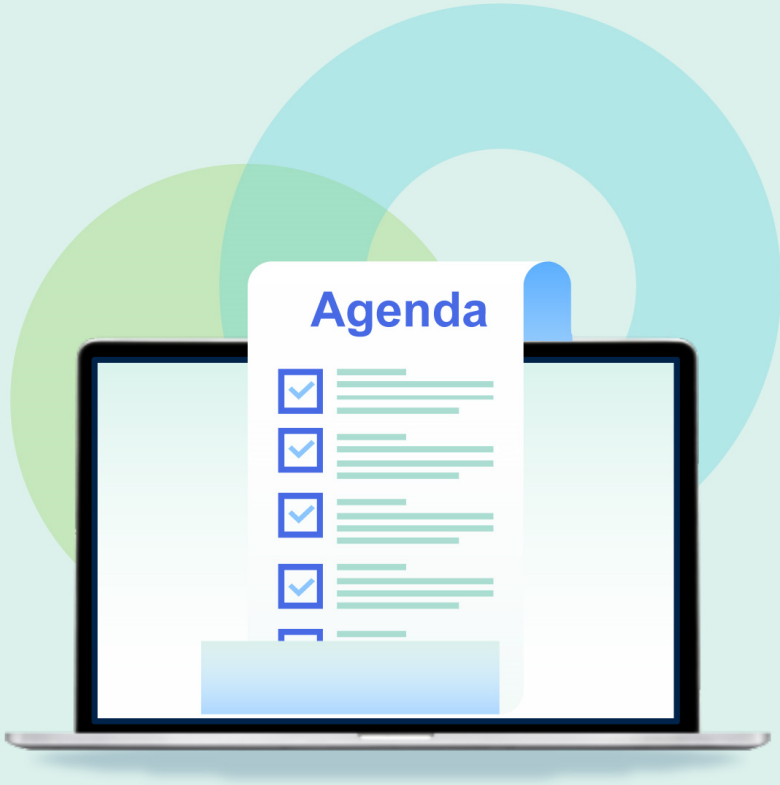


- Primo / Primo VE Comparison
- Normalization Structure & Syntax
- Display Fields
- Local Fields
- Examples
- Live Q&A
- Pre-submitted Questions



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# Normalization in Primo BO

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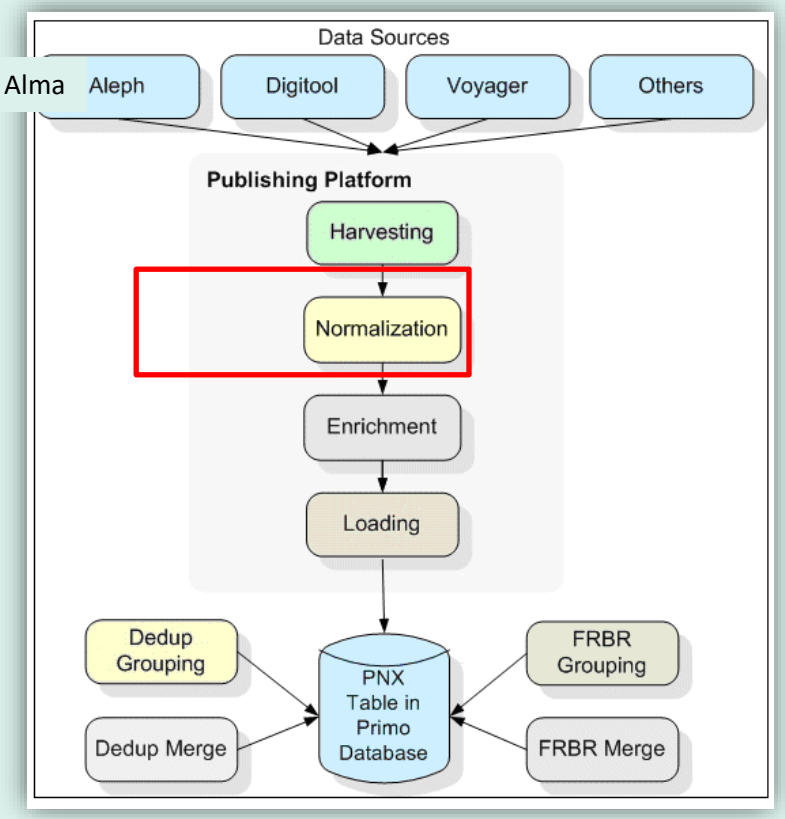


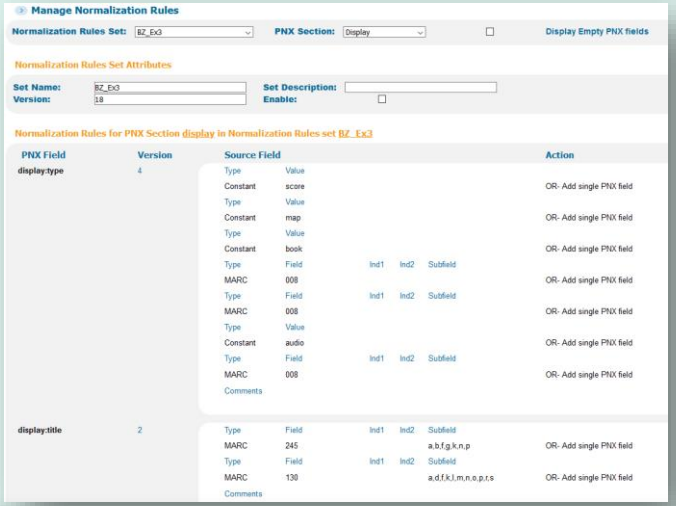


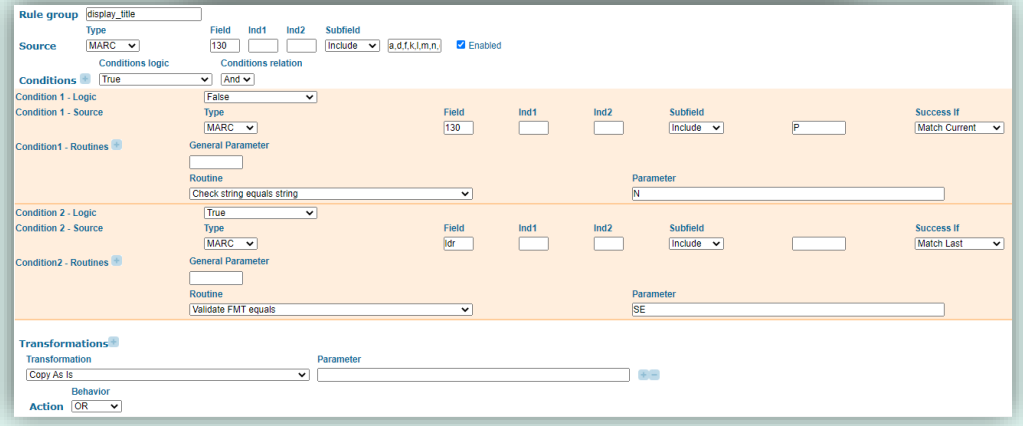


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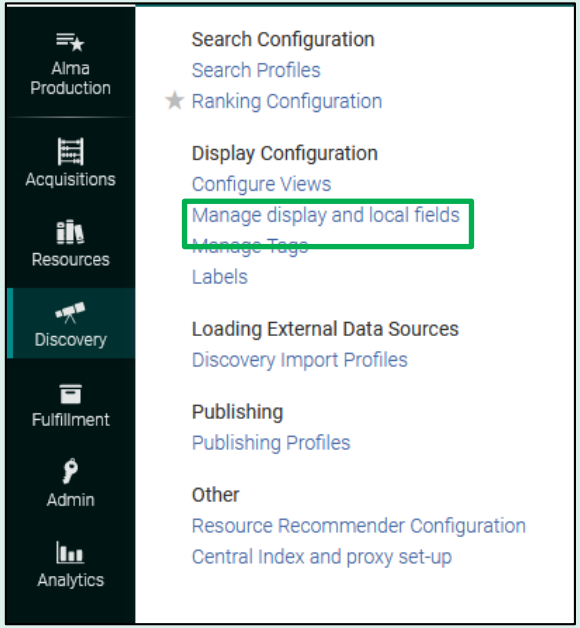
# Mapping to the Display, Facets, and Search Sections in the Primo VE Record

- Pre-defined Display fields
- No Update Pipes





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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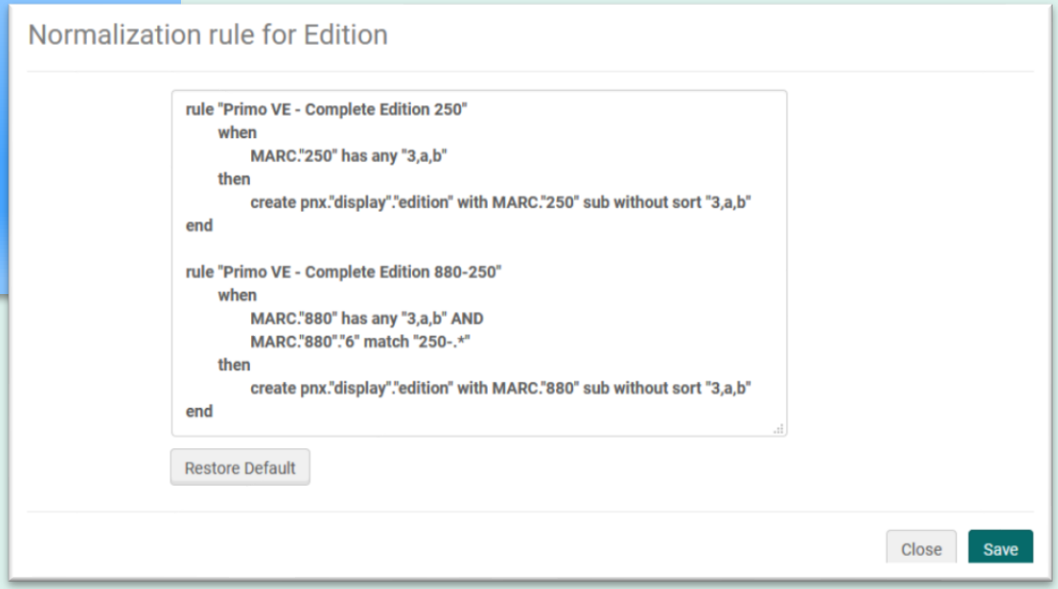
# DROOLS

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

Example

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# Documentation & Examples

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

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 » 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 Pr

## 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

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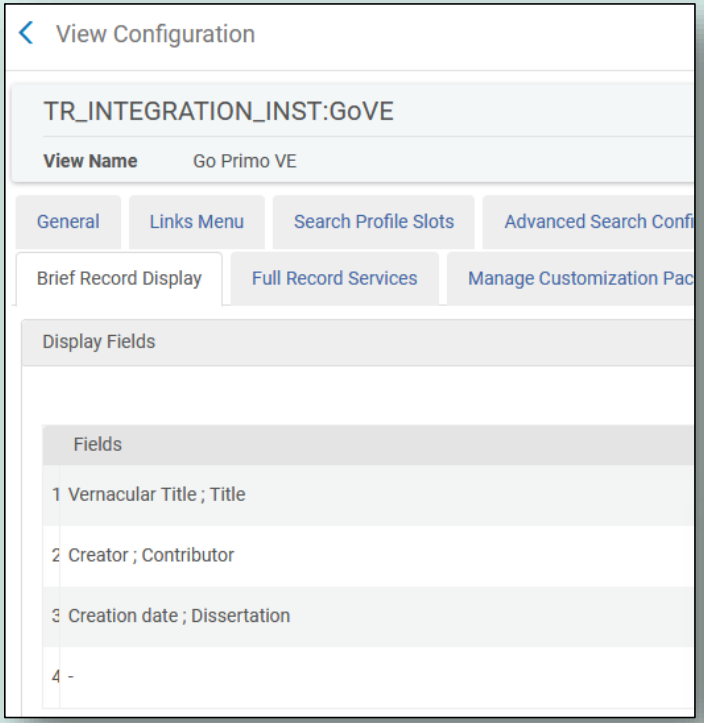
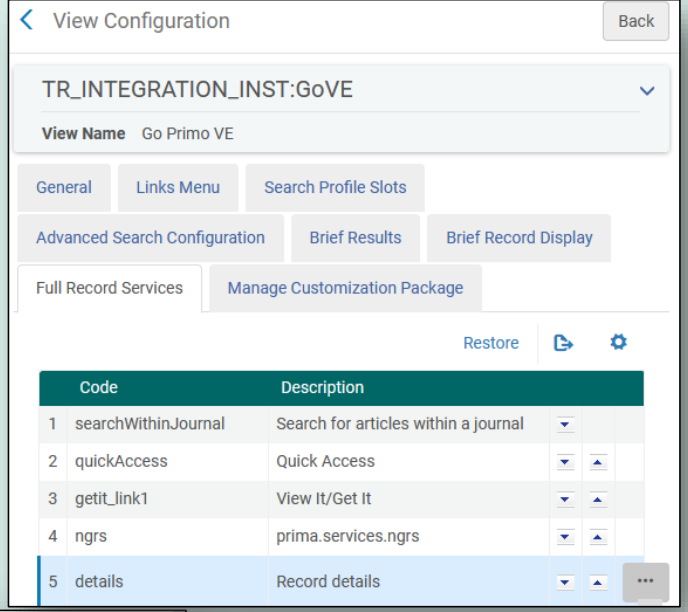
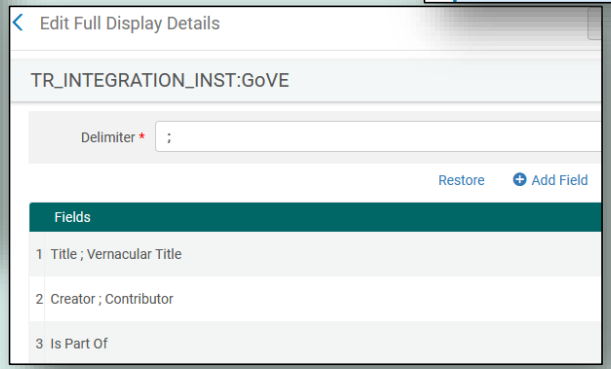
# Display Fields




Brief Display




Full Display

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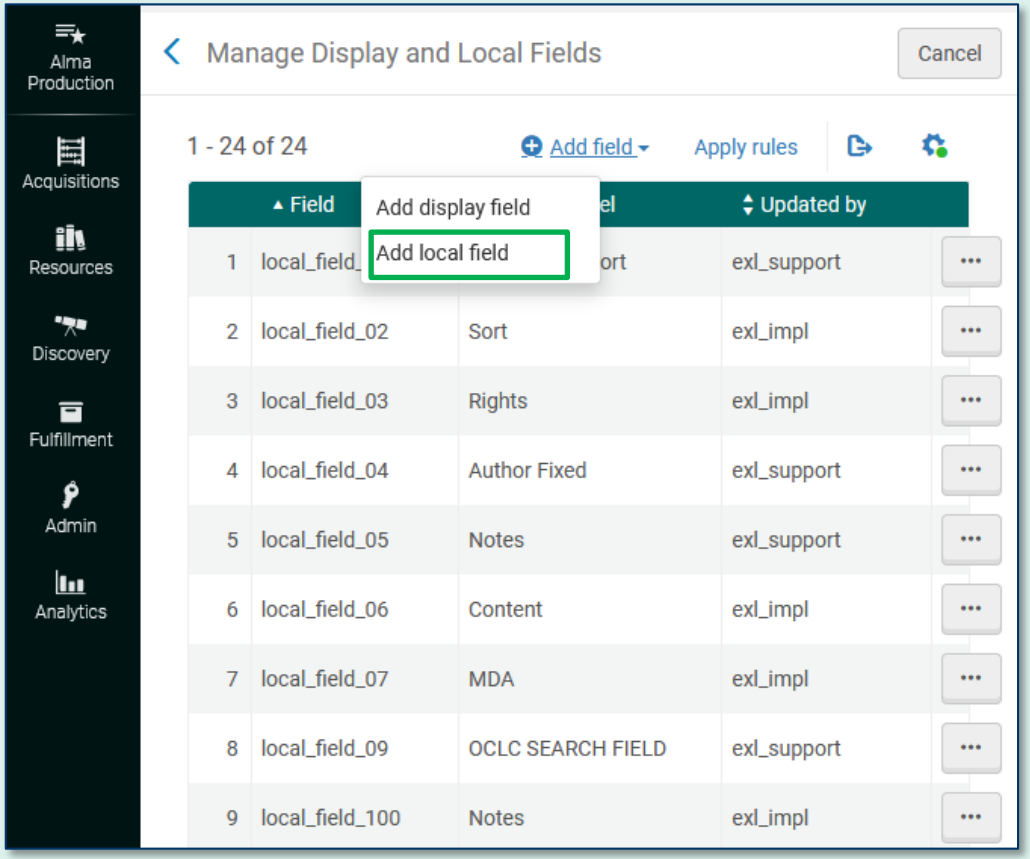
# Local Fields

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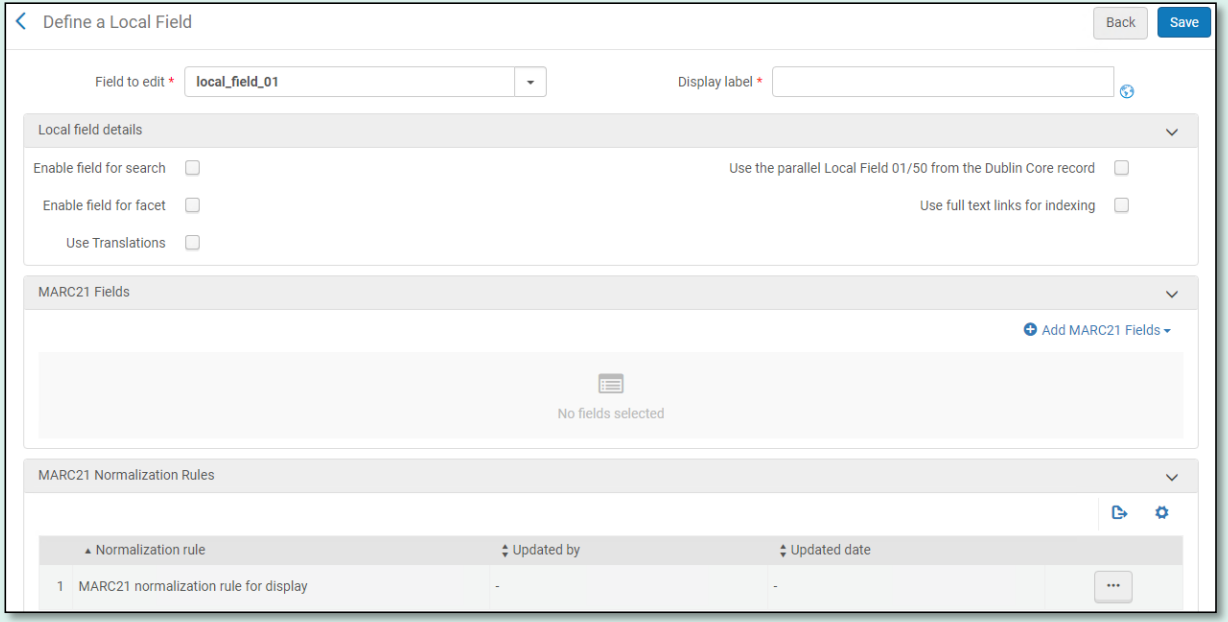
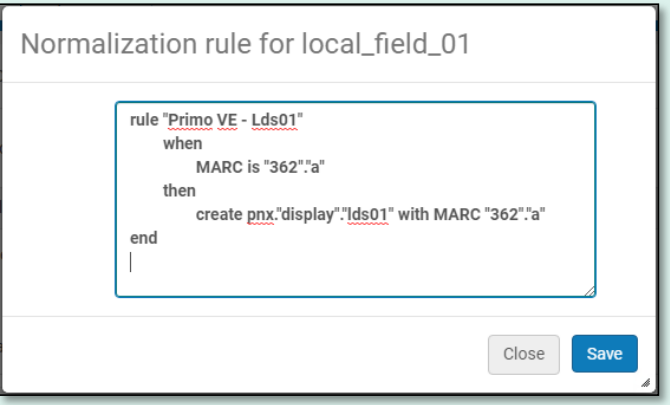
# Local Fields

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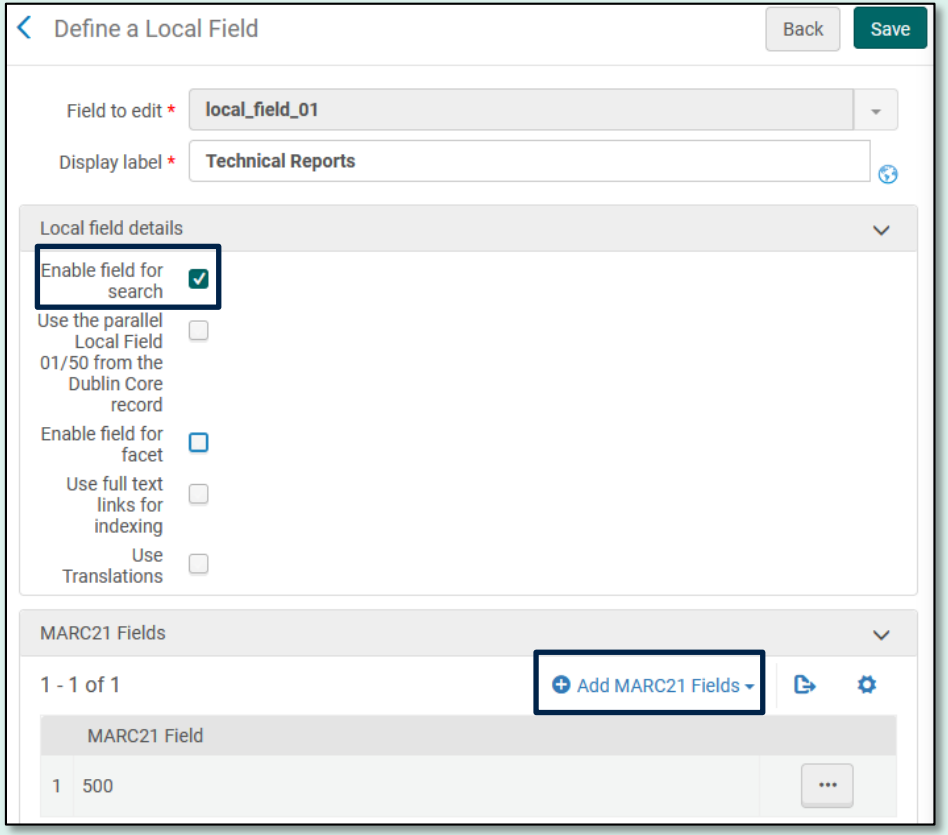
# MARC to local_field

- 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

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# 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**

| | |
|---|---|
| • **is**<br>Applies the actions when a specific field/subfield exists | MARC is "880"<br>MARC is "260"."c"<br>MARC.control is "001" |
| • **match**<br>contents of subfield matches a regular expression | MARC."880"."6" match "505-.*" |
| • **has any**<br>field exists and has any of the specified subfields | MARC."700" has any "a,b,c,d,e,j,q,u" |
| • **equals**<br>entire contents of the specified subfield matches | MARC."260".ind"1" equals "3" |

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# 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**

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# String Manipulation

## Actions – String manipulation

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

- **remove substring using regex**
  removes a substring from the contents of a temporary field using a specified regular expression

```
remove substring using regex (TEMP"1","(/|:|;|=|,)+$")
```
TEMP 1 = A person's a person

- **add prefix**
  Adds the specified value to the beginning of the temporary field

```
add prefix (TEMP"1","Dr. Seuss: ")
```
TEMP 1 = Dr. Seuss: A person's a person,

- **concatenate with delimiter**
  concatenates the contents of two temporary fields and separates them with a delimiter
  The result is placed in the first temporary field

```
concatenate with delimiter (TEMP"1",TEMP"2","_")
```
TEMP 1 = A person's a person, no matter how small.

- **replace string by string**
  replaces all occurrences of a regular expression with a specified value

```
replace string by string (TEMP"1","[^a-z]","\\?")
```
TEMP 1 = personsaperson


## Actions – String manipulation

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


- **return list using regex**
  searches for all occurrences of a regular expression in the second temporary field and copies them as a list to the first temporary field

```
return list using regex (TEMP"1",TEMP"2","[a-z]{3}")
```

- **remove string**
  removes a specified string from a temporary field

```
remove string (TEMP"1","person")
```
TEMP 1 = a's a,

- **remove leading and trailing spaces**
  removes beginning and trailing spaces in a temporary field.

```
remove leading and trailing spaces (TEMP"1")
```

- **replace spaces**
  replaces all spaces in a temporary field with a specified character or string

```
replace spaces (TEMP"1","+")
```
TEMP 1 = A+person's+a+person,

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# Examples

## 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

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# Examples

## 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.

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# Examples

## 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.

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# Examples

## 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

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# Examples

## 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

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# Examples

## 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

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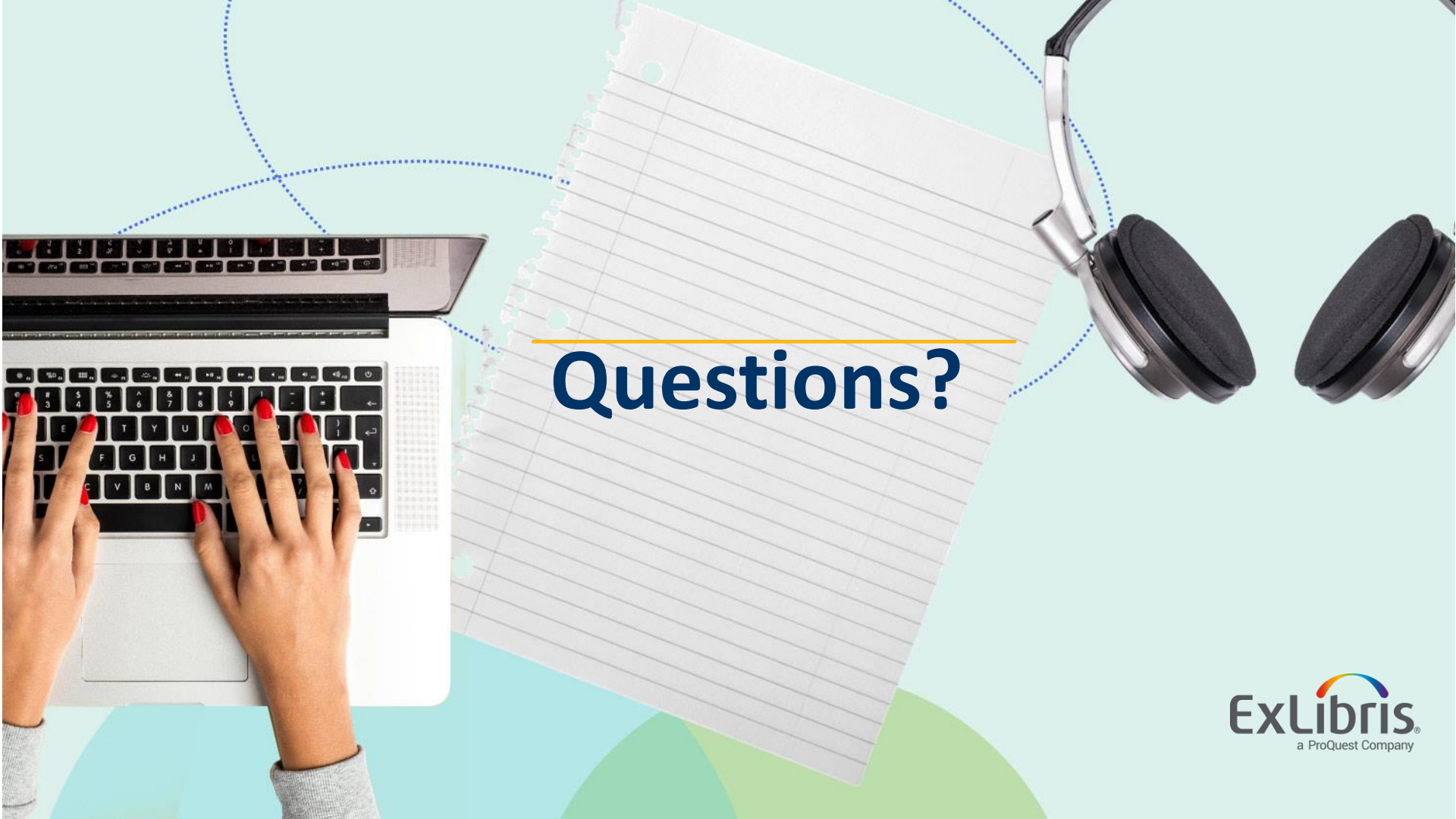
Questions?

# Pre-submitted Questions

- **Q: How do I modify the normalization of Title display field?**

OTB

```
rule "Primo VE - Title"
            when
                        MARCRECORD
            then
                set TEMP"1" to prima
display title
        remove string (TEMP"1","<<")
        remove string (TEMP"1",">>")
        remove substring using regex
(TEMP"1","(,|/|:|;|=)+$")
                        create
pnx."display"."title" with TEMP"1"
end
```

```
rule "Primo VE - Title 245"
            when
                        MARC."245" has any "a,b,f,g,k,n,p,s"
            then
                set TEMP"1" to MARC."245" sub without sort
"a,b,f,g,k,n,p,s"
                        remove string (TEMP"1","<<")
        remove string (TEMP"1",">>")
        remove substring using regex (TEMP"1","(,|/|:|;|=)+$")
                        create pnx."display"."title" with TEMP"1"
end

rule "Primo VE - Title 130"
            when
                        MARC."130" has any "a,d,f,k,l,m,n,o,p,r,s"
            then
                set TEMP"1" to MARC."130" sub without sort
"a,d,f,k,l,m,n,o,p,r,s"
                        remove string (TEMP"1","<<")
        remove string (TEMP"1",">>")
        remove substring using regex (TEMP"1","(,|/|:|;|=)+$")
                        create pnx."display"."title" with TEMP"1"
end
```

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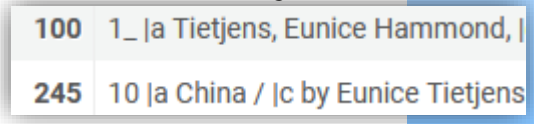
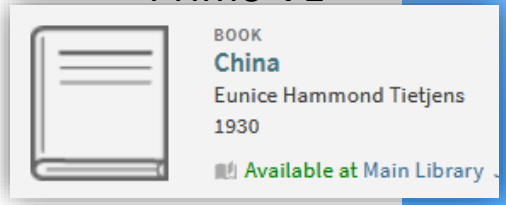
# Pre-submitted Questions

- **Q: How do I reverse authors' names to display the given name before surname?**

Alma




Primo VE




```
rule "Primo VE Display - creator 100 firstName lastName"
          when
                        MARC."100" has any "a,b,c,e"
          then
                set TEMP"1" to MARC."100" sub without sort "a"
                set TEMP"2" to MARC."100" sub without sort "a"
                set TEMP"3" to MARC."100" sub without sort "b,c,d,e"
                set TEMP"4" to MARC."100" sub without sort "a"
             remove substring using regex (TEMP"1","^([^,]*)")
             remove substring using regex (TEMP"2",",.*$")
             remove substring using regex (TEMP"4","(/|:|;|=|,)+$")
          add prefix (TEMP"4","$$Q")
          remove substring using regex (TEMP"4","^$$Q$")
             concatenate with delimiter (TEMP"1",TEMP"2"," ")
             concatenate with delimiter (TEMP"1",TEMP"3"," ")
             concatenate with delimiter (TEMP"1",TEMP"4","")
          remove substring using regex (TEMP"1","[,.]")
                create pnx."display"."creator" with TEMP"1"
end
```

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# Pre-submitted Questions

- **Q: How do I remove MARC 362 from Publisher display field?**

**OTB**

```
rule "Primo VE - publisher notes 362"
            when
                        MARC."362" has any "a,z"
            then
                        create
pnx."display"."publisher_notes" with MARC."362" sub
without sort "a,z"
end
```

```
rule "Primo VE - publisher notes 362"
when
MARC."362" has any "a,z"
then
create pnx."display"."publisher_notes" with "N/A"
end
```

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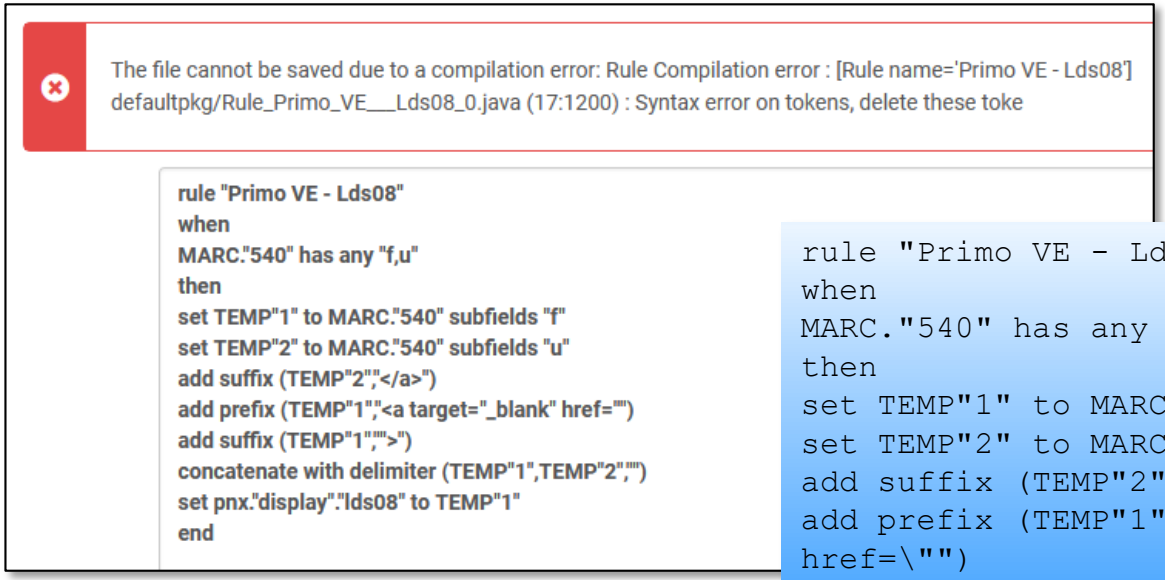
# Pre-submitted Questions

- **Q: Why am I getting an error message?**




```
rule "Primo VE - Lds08"
when
MARC."540" has any "f,u"
then
set TEMP"1" to MARC."540" subfields "f"
set TEMP"2" to MARC."540" subfields "u"
add suffix (TEMP"2","</a>")
add prefix (TEMP"1","<a target=\"_blank\"
href=\"")
add suffix (TEMP"1","\">")
concatenate with delimiter (TEMP"1",TEMP"2","")
set pnx."display"."lds08" to TEMP"1"
end
```

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# Pre-submitted Questions

- **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
```

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# Thank you!

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