

Oracle Fusion Procurement.

Suppliers extensible flexfields workaround.

Redwood cookbook 2026.

This solution could be adapted to any object in Fusion as HCM objects, payables invoices, purchase orders, customers, receivables invoices, etc.

Redwood Visual Builder page for CRUD operations on this flexfields.

Introduction and goal.

Recently someone asked me in LinkedIn how to load 500 UTA.

The requirement would be as follows:

“Migrating suppliers. In EBS-r12 we have 300+ UDAs to capture information related to suppliers. Any idea how to map these UDA in Oracle Erp cloud”

After investigating what a UDA is, the following is our investigation to solve.

1. Normal descriptive flexfields are limited in number and length of columns as shown. DISCARDED.

Overview View Supplier x

Supplier: Corporation Service Company (CSC) ? ★

Profile Addresses Sites Contacts Qualifications

General

Supplier Corporation Service Company (CSC)

Supplier Number 1929

Alternate Name

Tax Organization Type Corporation

Supplier Type VENDOR

Inactive Date

Status Active

Additional Information

Descriptive Flexfield ⓘ ✕

Office Recycling Percentage ✎

Debt Rating ✎

Internal Rating(Display Name) ✎

FlexModeSetup
Manage Flexfields

Manage Flexfields ⓘ
Search Results

Actions View Format Freeze Detach Wrap Deploy Flexfield

Name	Type	Module	Flexfield Code	Entity Usages	Description	Deployment Status	Deployment Error Message	Deployment Date
Supplier Profile	Descriptive Flexfield	Common Supplier Entities	POZ_SUPPLIERS		User-defined attributes to...	✓		7/31/25 2:04 AM

Edit Descriptive Flexfield: Supplier Profile ⓘ

Name Supplier Profile
Flexfield Code POZ_SUPPLIERS
Description User-defined attributes to supplier profile.

Global Segments

Actions View Format + Freeze Detach Wrap

* Sequence	Name	Table Column	Value Set	Prompt
15	Office Recycling Percentage	ATTRIBUTE_NUMBER1	GSE_3_Digit_Integar	Office Recycling Percentage
25	Debt Rating	ATTRIBUTE10	PRC_Debt_Rating_Value_Set	Debt Rating
40	Internal Rating	ATTRIBUTE1	HRC_CHAR_10	Internal Rating(Display Name)
50	Age	ATTRIBUTE2	Age value set	Age of supplier
60	Gender	ATTRIBUTE3	Gender Value Set	Gender of the Supplier
70	Feedback	ATTRIBUTE12	HRC_CHAR_10	FeedBack

Columns Hidden 9

Create Segment ⓘ

Flexfield Name Supplier Profile
Flexfield Code POZ_SUPPLIERS

* Name demo
* Code demo
* API Name demo

Description
Enabled

Column Assignment
* Data Type Character

Table Column
ATTRIBUTE4
ATTRIBUTE5
ATTRIBUTE6
ATTRIBUTE7
ATTRIBUTE8
ATTRIBUTE9
ATTRIBUTE11
ATTRIBUTE13
ATTRIBUTE14
ATTRIBUTE15

Range Type

Validation
* Value Set
Value Set Description

Initial Default
Default Type

Display Properties
* Prompt demo
* Display Type

Definition Help Text
Search

Create Segment ⓘ

Flexfield Name Supplier Profile
Flexfield Code POZ_SUPPLIERS

* Name demo
* Code demo
* API Name demo

Description
Enabled

Column Assignment
* Data Type Number

Table Column
ATTRIBUTE_NUMBER2
ATTRIBUTE_NUMBER3
ATTRIBUTE_NUMBER4
ATTRIBUTE_NUMBER5
ATTRIBUTE_NUMBER6
ATTRIBUTE_NUMBER7
ATTRIBUTE_NUMBER8
ATTRIBUTE_NUMBER9
ATTRIBUTE_NUMBER10

Range Type

Validation
* Value Set
Value Set Description

Initial Default
Default Type

Display Properties
* Prompt demo
* Display Type

Definition Help Text
Search

Instruction Help Text

2. Extensible standard flexfields seems not enabled for Suppliers. DISCARDED.

What can we do? Create our own extensible flexfields using Redwood Visual Builder features.

Preparation

Csv file to import as business object.

This file could have any number and type of columns.

```
SupplierNumber,Field_String_1,Field_String2,Field_Number1,Field_Date1  
1900,abc,xyz,22,2025-10-10  
1929,abc,xyz,22,2025-10-22
```

```
SupplierNumber,Field_String_1,Field_String2,Field_Number1,Field_Date1  
1900,abc,xyz,22,2025-10-10  
1929,abc,xyz,22,2025-10-22
```

IMPORTANT: you could create this file with any number of columns, we are simulating for learning purposes but you could put here your 400 fields+.

Types could be: number, string or date.

The limit would be the number of columns allowed by Oracle Visual Builder business objects.

Supplier numbers should match to one existing.

SupplierNumber,Field_String_1,Field_String2,Field_Number1,Field_Date1
1359,abc,xyz,22,2025-10-10
1288,abc,xyz,22,2025-10-22

Manage Suppliers

Search

Keywords: abc

Search Reset Save

Search Results

Actions View Format Filter Process Detach Register Supplier

Supplier	Supplier Number	Alternate Name	Business Relationship	Parent Supplier	Creation Date	Inactive Since	Tax ID Number
ABC Bank	1359		Spend Authorized		15/4/18		
ABC Consulting	1358		Spend Authorized		4/25/14		45-85

Steps in OIC-Visual Buider

- Create application.
- Create connection.

Create Service Connection

Service Name *

sn_suppliers

<https://eqz.ds-fa.oraclepemos.com/fscmRestApi/resources/latest/describe> Basic

For better performance, select only the endpoints you want to use in your application.

suppliers x Select All 7 of 89 endpoints (7 objects) selected - 89 endpoints match

▶ ☐ buyerPlanningSuppliersLOV (Buyer Planning Suppliers List of Values) ⬇

▶ ☐ collaborationPlannerSuppliersSitesLOV (Collaboration Planner Supplier Sites List of Values) ⬇

▶ ☐ collaborationPlannerSuppliersLOV (Collaboration Planner Suppliers List of Values) ⬇

▶ ☐ externalPurchasePricesSupplierSites (External Purchase Prices Supplier Mappings) ⬇

▶ ☐ intercompanyCustomerSuppliersLOV (Intercompany Customer and Supplier Assignments List of Values) ⬇

▶ ☐ rraSuppliers ⬇

▼ ☒ suppliers 7 of 89 endpoints (6 of 64 child objects) selected

▶ ☐ / 0 of 2 endpoints selected

▶ ☒ suppliers 7 of 7 endpoints (5 of 5 child objects) selected

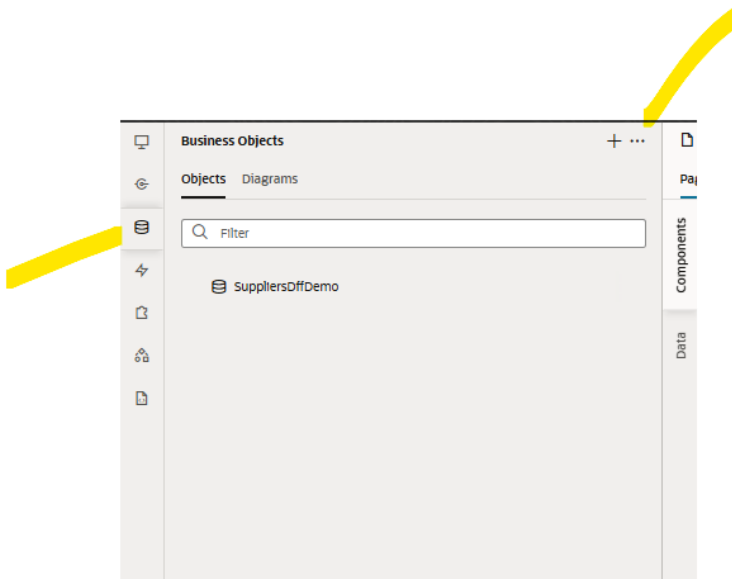
▶ ☐ suppliers/addresses 0 of 4 endpoints (0 of 2 child objects) selected

▶ ☐ suppliers/addresses/DFF 0 of 2 endpoints (0 of 2 child objects) selected

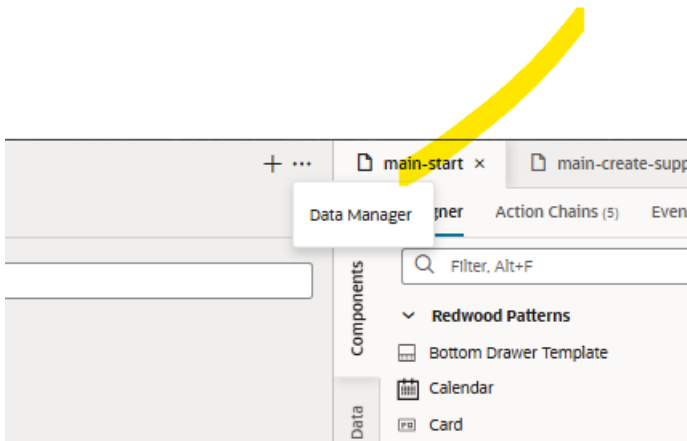
▶ ☐ suppliers/attachments 0 of 9 endpoints (0 of 4 child objects) selected

▶ ☐ suppliers/businessClassifications 0 of 5 endpoints (0 of 2 child objects) selected

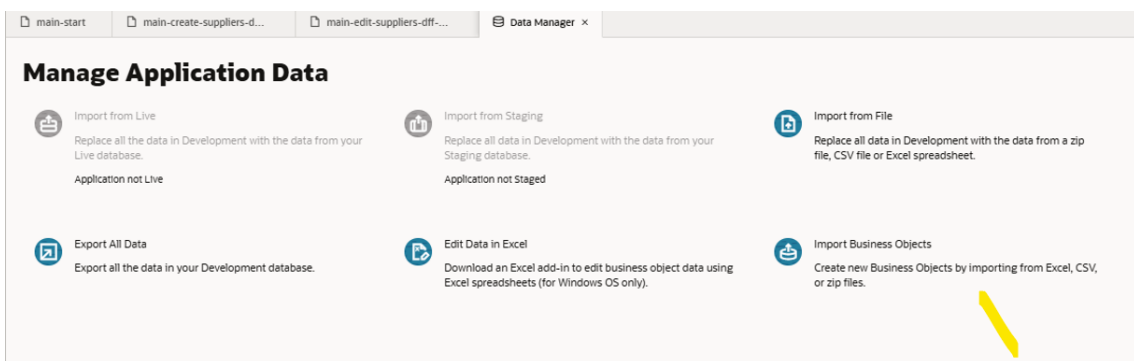
- Import csv sample as business object following next steps.





Select Data Manager.



Then this option.



Select your file.

Nombre	Fecha de modificación	Tipo	Tamaño
 suppliers_dff_demo.csv	31/07/2025 13:45	Archivo CSV	1 KB
 XX_SUPPLIER_EXTENSIBLE_FLEX-1.0.zip	31/07/2025 15:27	Carpeta comprimi...	38 KB

Follow the steps below.

Import New Business Objects

1

2

3

Upload File

Business Objects

Fields

Cancel

Next >

Provide the file containing data that you wish to import.

Drag and Drop

suppliers_dff_demo.csv

Character Encoding ⓘ

Upload

Import New Business Objects

1

2

3

Upload File

Business Objects

Fields

Cancel

Next >

Provide the file containing data that you wish to import.

Drag and Drop

suppliers_dff_demo.csv

Character Encoding ⓘ

Upload

Uploading suppliers_dff_demo.csv...

suppliers_dff_demo Business Object...

suppliers_dff_demo records...

Upload succeeded.

found

2 exist

Review and adapt if necessary.

Import New Business Objects

< Back

1

2

3

Upload File

Business Objects

Fields

Finish




Fields

Select a Business Object to see its fields. You can change the field names and data types.

Datatype Conversion Options ⓘ

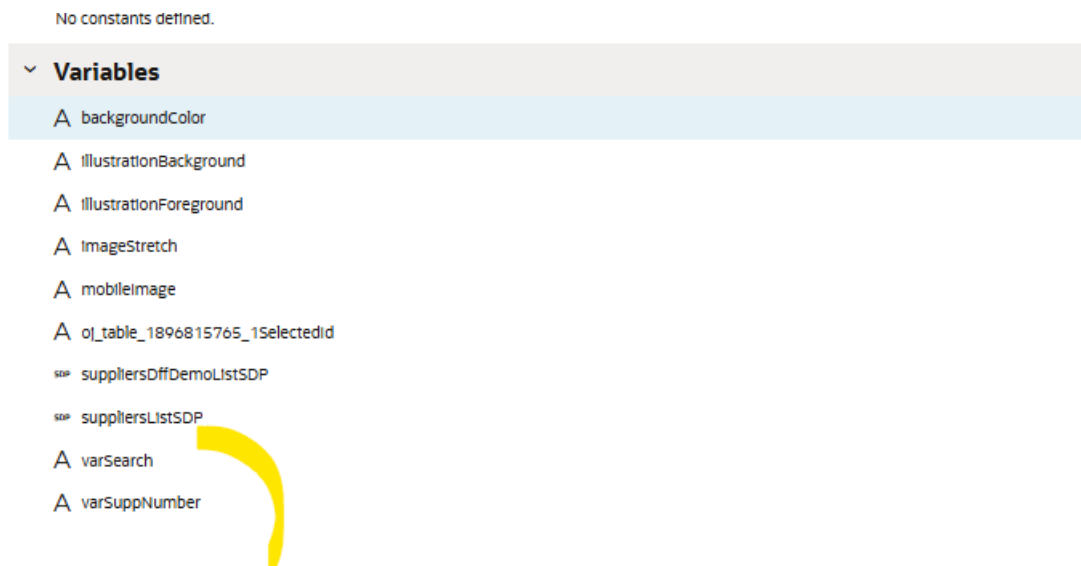
Fail on Exception

suppliers_dff_demo

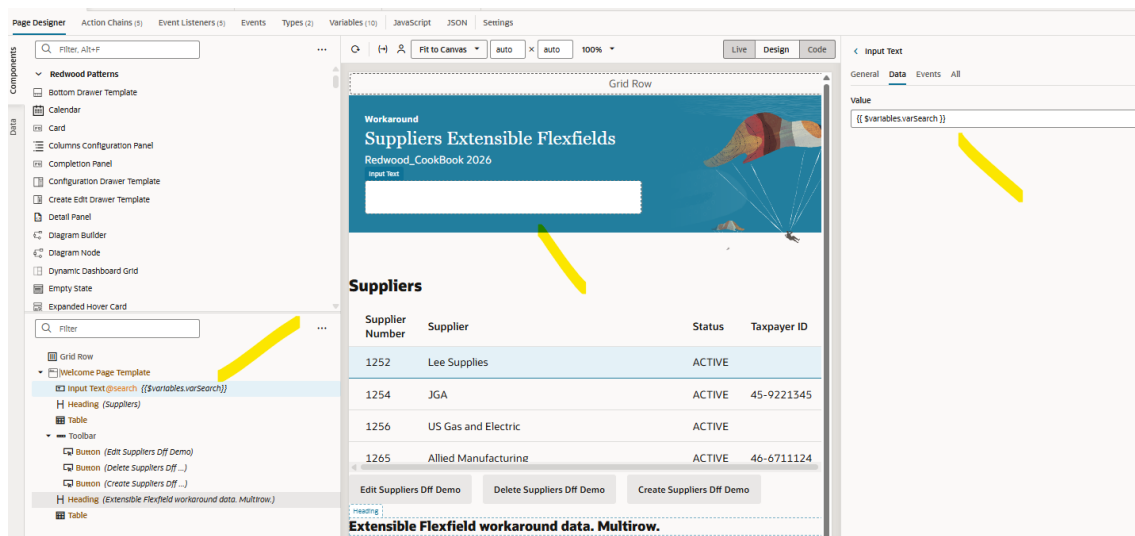
Field Name	Display Label	Type	Key	Required	Sample
fieldDate1	Field_Date1		<input type="checkbox"/>	<input checked="" type="checkbox"/>	2025-10-10
fieldNumber1	Field_Number1	#	<input type="checkbox"/>	<input checked="" type="checkbox"/>	22
fieldString1	Field_String_1	A	<input type="checkbox"/>	<input checked="" type="checkbox"/>	abc
fieldString2	Field_String2	A	<input type="checkbox"/>	<input checked="" type="checkbox"/>	xyz
supplierNumber	SupplierNumber	#	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1900
createdBy	Created By	A	<input type="checkbox"/>	<input type="checkbox"/>	Juanje
creationDate	Created		<input type="checkbox"/>	<input type="checkbox"/>	2025-07-31T18:42:28.890+00:00
Id	Id	#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1
lastUpdateDate	Last Updated		<input type="checkbox"/>	<input type="checkbox"/>	2025-07-31T18:42:28.890+00:00
lastUpdatedBy	Last Updated By	A	<input type="checkbox"/>	<input type="checkbox"/>	Juanje
versionNumber	Version Number	#	<input type="checkbox"/>	<input type="checkbox"/>	

Click finish.

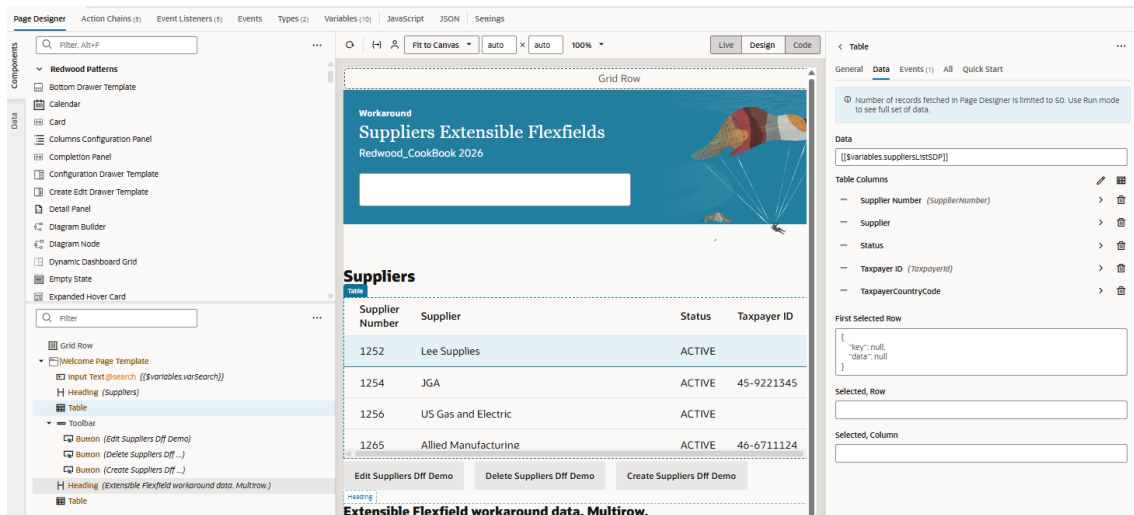
- Create variables.



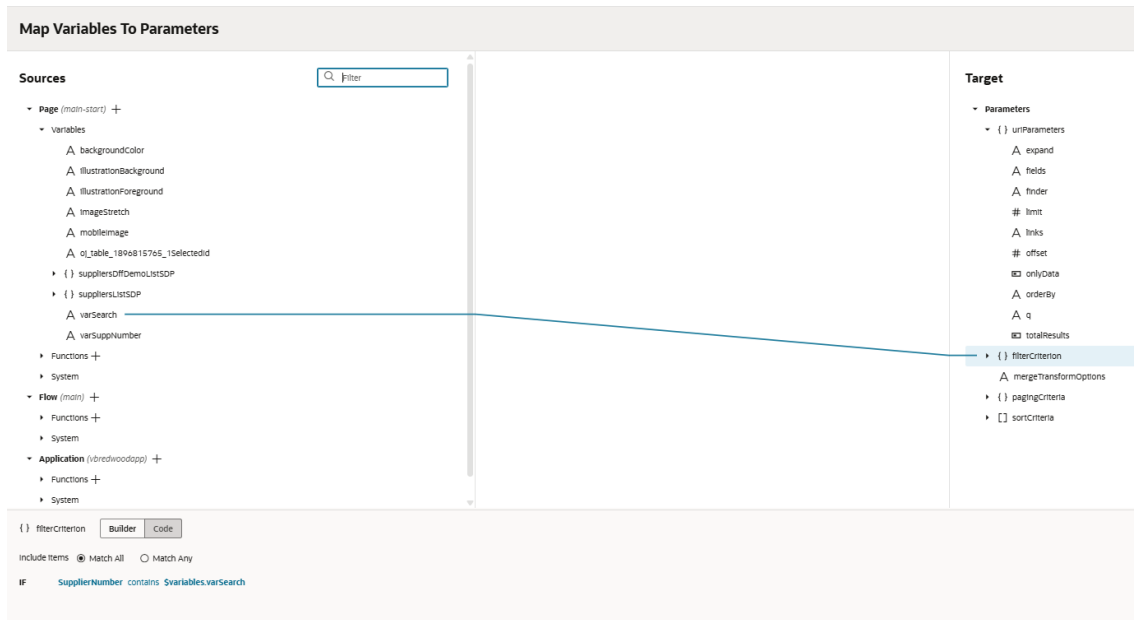
- Create Input text component and assign variable.



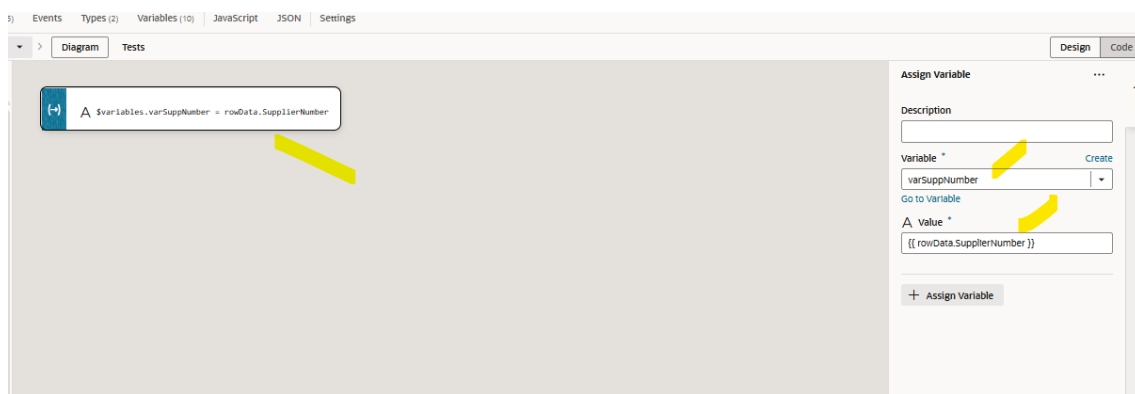
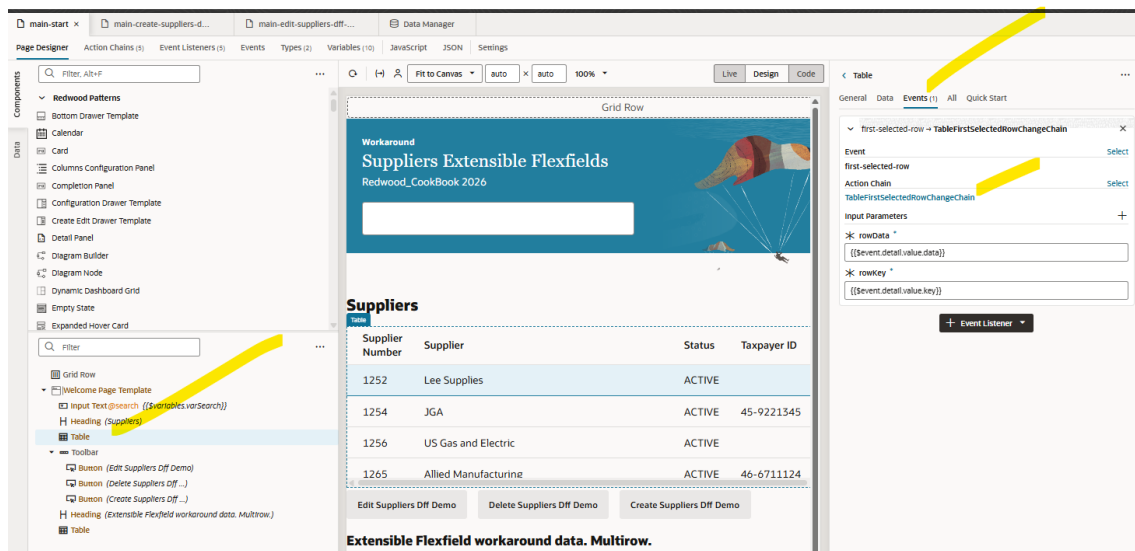
- Create table 1 component for Suppliers REST API (get many).



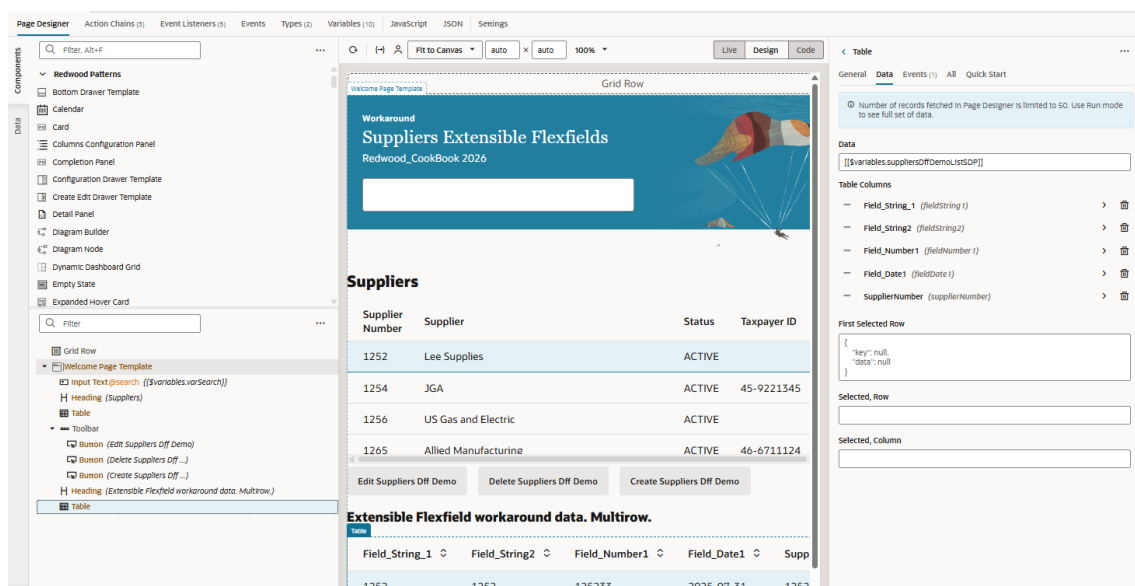
- Filter using variable setup in input text.



- Navigate suppliers filling out our variables.



- Create table 2 component.



- Filter using previous variables.

Map Variables To Parameters

Sources

- Page (main-start)
 - Variables
 - backgroundcolor
 - illustrationBackground
 - illustrationForeground
 - imageStretch
 - mobileImage
 - oi_table_1890815765_1selectedid
 - suppliersDffDemoListSDP
 - suppliersListSDP
 - varSearch
 - varSuppNumber
 - Functions
 - System
- Flow (main)
 - Functions
 - System
- Application (vbredwoodapp)
 - Functions
 - System

Target

- Parameters
 - uriParameters
 - expand
 - fields
 - finder
 - limit
 - links
 - offset
 - onlyData
 - orderBy
 - q
 - totalResults
 - filterCriteria
 - mergeTransformOptions
 - pagingCriteria
 - sortCriteria

filterCriteria

Builder

Code

Include items ☒ Match All ☐ Match Any

IF `supplierNumber equals $variables.varSuppNumber`

Test

Workaround
Suppliers Extensible Flexfields
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Suppliers

Supplier Number	Supplier	Status	Taxpayer ID	TaxpayerCountryCode
1252	Lee Supplies	ACTIVE		US
1254	JGA	ACTIVE	45-9221345	US
1256	US Gas and Electric	ACTIVE		
1265	Allied Manufacturing	ACTIVE	46-6711124	

Edit Suppliers Dff Demo
Delete Suppliers Dff Demo
Create Suppliers Dff Demo

Extensible Flexfield workaround data. Multirow.

Field_String_1	Field_String2	Field_Number1	Field_Date1	SupplierNumber
1252	1252	125233	2025-07-31	1252
rrr	rrr	1333	2025-07-31	1252

Notice out pages allow basic CRUD operations.

1256	US Gas and Electric	ACTIVE	
1265	Allied Manufacturing	ACTIVE	46-6711124
<div><div>Edit Suppliers Dff Demo</div><div>Delete Suppliers Dff Demo</div><div>Create Suppliers Dff Demo</div></div>			
Extensible Flexfield workaround data. Multirow.			
Field_String_1 ▾	Field_String2 ▾	Field_Number1 ▾	Field_Date1 ▾ SupplierNumber ▾
1252	1252	125233	2025-07-31 1252
rrr	rrr	1333	2025-07-31 1252

Operation Create:

Create Suppliers Dff Demo

Field_String2

Required

Field_String_1

Required

Field_Number1

Required

Field_Date1

Required

SupplierNumber

1,252

Cancel

Save

Operation Update:

Edit Suppliers Dff Demo

Field_String_1

1252

Field_String2

1252

Field_Number1

125,233

Field_Date1

7/31/25

SupplierNumber

1252

Cancel

Save

Operation Delete:

1265

Allied Manufacturing

ACTIVE

46-6711124

Edit Suppliers Dff Demo

Delete Suppliers Dff Demo

Create Suppliers Dff Demo

Extensible Flexfield workaround data. Multirow.

Field_String_1	Field_String2	Field_Number1	Field_Date1	SupplierNumber
1252	1252	125233	2025-07-31	1252
rrr	rrr	1333	2025-07-31	1252

Conclusion

We have been able to import any number of flexfield data for our suppliers from external system.

The CRUD operations allowed in our example will provide the user an easy way to support this data.

NOTE: this solution could be used for any object in Oracle Fusion.

Technical

Code example	Comments
XX_SUPPLIER_EXTENSIBLE_FLEX-1.0.zip	Used in this demo.
suppliers_dff_demo_etaj.csv	Used in this demo simulating load from external system.
suppliers_dff_demo.csv	