

## SaaS-VB customization-extension with Fusion-Visual Builder.

### Classic-ADF SCM Sales Orders PART 2.

- Call OIC integration and
- Show additional calculated data.

#### Introduction/Goal.

In this chapter we are doing 3 requirements:

- 1) We will use Visual Builder in Fusion (the free one) instead of OIC-VB to build our demo.
- 2) We will build a page to run OIC integration from a button.
- 3) We will put additional data on the page, as not always the page contains the data required by your users.

In next screenshot, we show the Sales Order ADF-classic page with 2 embedded areas:

- Above the OIC-VB version and
- Below is the AppUI-Extension version created with Fusion VB.  
This area contains 2 parts:
  - a. Button to run an OIC integration.
  - b. Some additional data calculated based on sales order.

Example 1.

Customer ABC Application Software (20300)  
Contact  
Contact Method  
Ordered Date 7/1/14 12:58 PM  
Purchase Order  
Order Type

Business Unit US1 Business Unit  
Bill-to Customer  
Bill-to Account  
Ship-to Customer  
Ship-to Address  
Sales Credits  
Sales Agreement

**Info**

YOU ARE RUNNING THIS PROCESS FROM SAAS FOR HEADER\_ID = 300000076366712

Redwood Cookbook 2025

**Run OIC process**

pHeaderId:300000076366712

Run OIC process

**Redwood Cookbook. 2026.**

Run OIC Process

Message  
MESSAGE FROM SaaS App UI extension:YOU ARE RUNNING THIS PROCESS FROM SAAS FOR HEADER\_ID = 300000076366712

Total Dimension  
24,350.625  
UOM Dimension  
in

Total Weight  
720  
UOM Weight  
lb

Example 2.

Order: Stark Industries - 19587 - Partially Closed ⓘ  
Source Order 2000514035 - ATG2 | Currency = US Dollar

Customer Stark Industries (80010)  
Contact  
Contact Method  
Ordered Date 5/23/14 12:58 PM  
Purchase Order  
Order Type

Business Unit US1 Business Unit  
Bill-to Customer  
Bill-to Account  
Ship-to Customer  
Ship-to Address  
Sales Credits  
Sales Agreement

**Redwood Cookbook. 2026.**

Run OIC Process

Message

Total Dimension  
22,245.624  
UOM Dimension  
in

Total Weight  
459  
UOM Weight  
lb

Debug

## Preparatory steps.

Get a user with SaaS roles that can access Order Management, Visual Builder and create a Sandbox in SaaS.

## OIC Integration steps.

We will build a dummy integration for learning purposes.

- Connection.

< XX\_DEMO\_REST

Configured

Role  
Trigger

Identifier  
XX\_DEMO\_REST

Updated on  
Mar 19, 2025, 10:10:43 AM CET

Used in  
25 integrations

Security

Security policy  
OAuth 2.0 Or Basic Authentication

Access type

☒ Public gateway  
Connect to endpoints using the internet.

☐ Private endpoint  
Connect to endpoints using your private network.

Configuration progress

100 %

☒ Create connection

☒ Configure connection properties

☒ Select a security policy and enter credentials

☒ Test connection

- Parameters Request.

Configure Resource Configuration

REST trigger

Provide an operation name

default

What does this operation do?

What is the endpoint's relative resource URI?

/

What action do you want to perform on the endpoint?

GET

Based on your selections, you can add parameters or configure a request and/or response for this endpoint.

Select any options that you want to configure:

☒ Add and review parameters for this endpoint

☐ Configure a request payload for this endpoint

☒ Configure this endpoint to receive the response

Configure Request Parameters

REST trigger

Operation Name:

default

Resource URI:

/

HTTP Method:

GET

Specify Query Parameters

Add

Remove

<input type="checkbox"/>	Name	Data Type
<input checked="" type="checkbox"/>	pHeaderId	string

\* Double click to edit table cells and hit Enter/Return key to commit changes

- Parameter response.

Configure Response

REST trigger

Operation Name:

default

Resource URI:

/

HTTP Method:

GET

Select the multipart attachment processing options

☐ Response is multipart with payload

☐ Multipart response is of type multipart/form-data with HTML form payload

Select the response payload format

JSON Sample

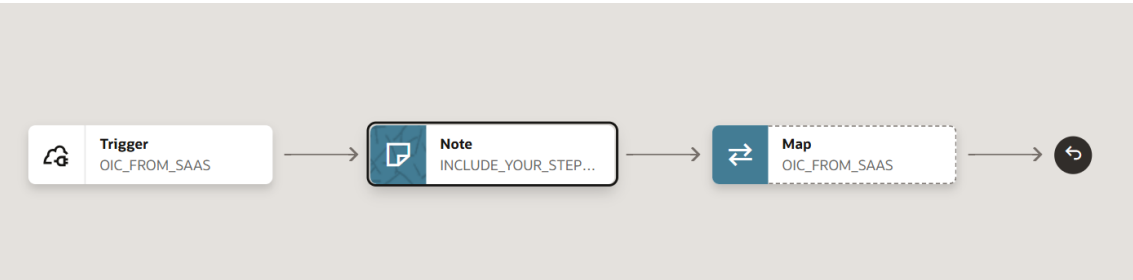
Configure Response

REST trigger

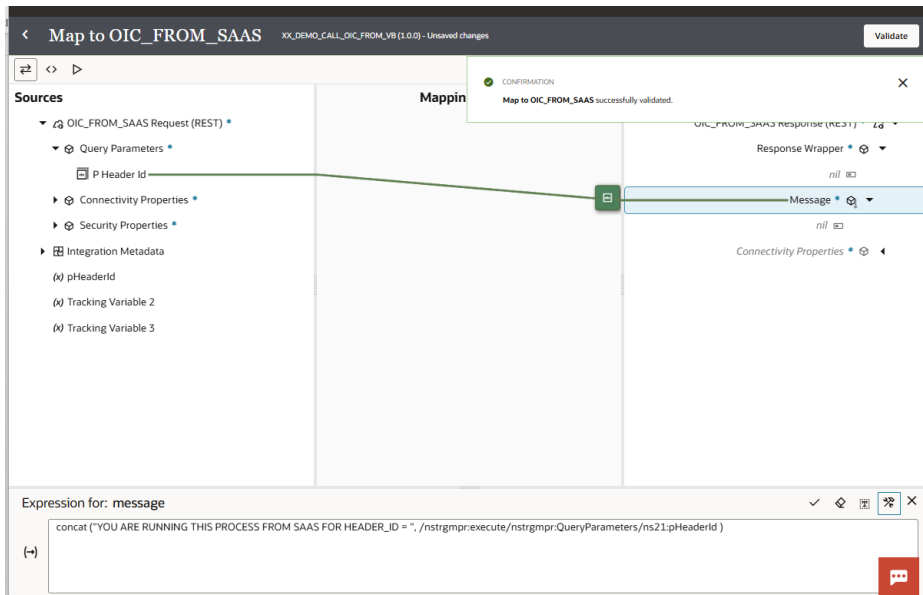
Enter Sample JSON

```
{  
  "message": "hi"  
}
```

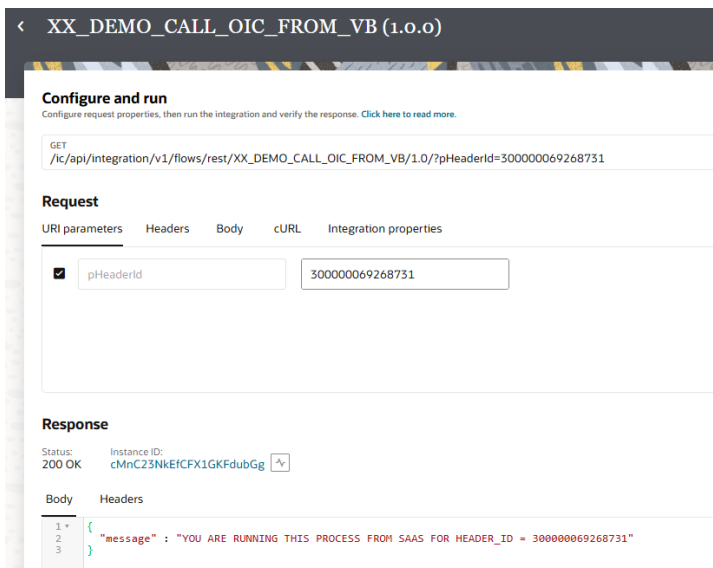
- General overview.



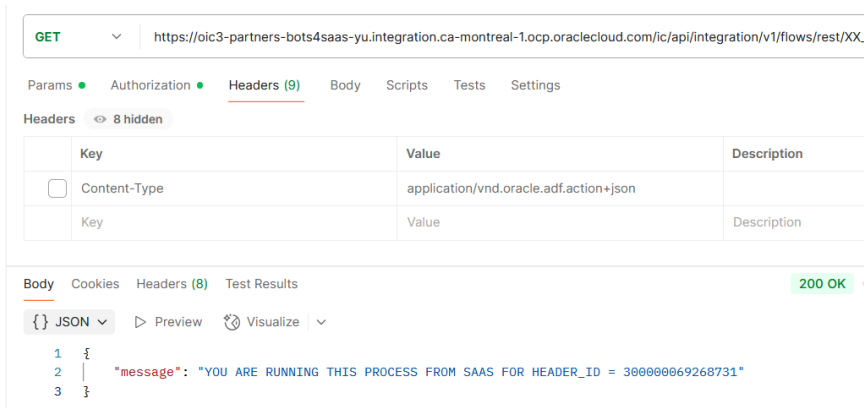
- Mapping.



- Unit testing after activating.



- Test from Postman.



## Fusion Visual Builder Import extension option.

Note: you could directly import the extension code provided (see the .zip file name at the end of the chapter) or follow the following instructions. Import an extension is easy, review some blogs regarding this if needed. If this is not your choice, keep on reading.

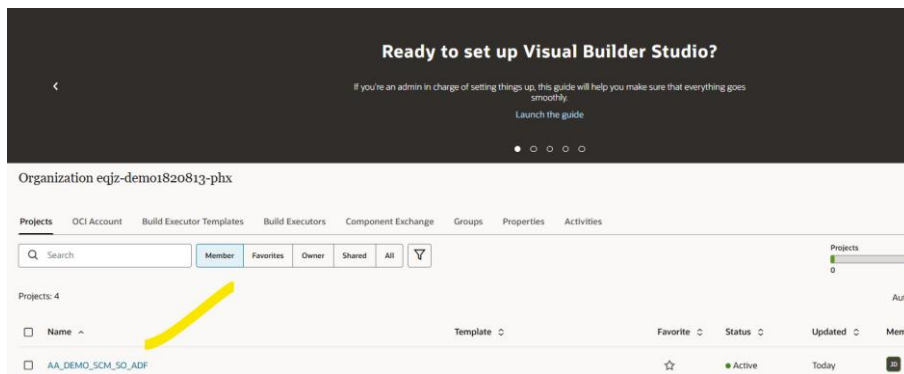
The code provided must be imported to an existing workspace.

## Steps followed in Fusion Visual Builder (summary).

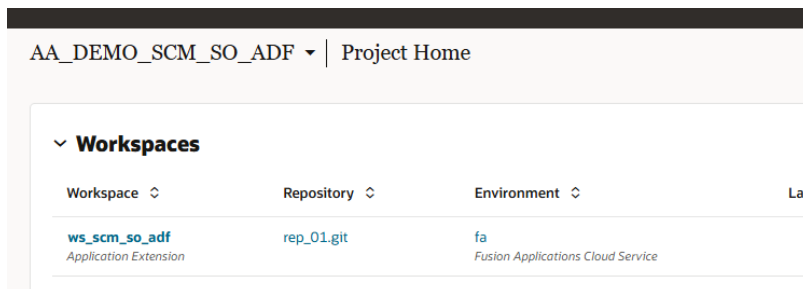
Create an extension App UI in SaaS-VB, accessing from Configuration menu, create project or reuse if you already have one.



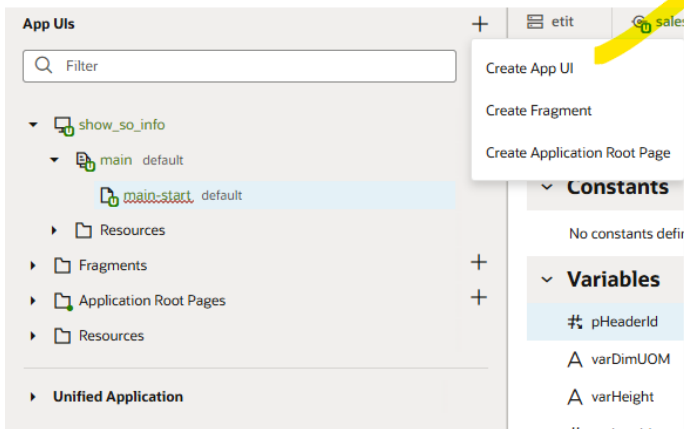
Select project.



Select the workspace.

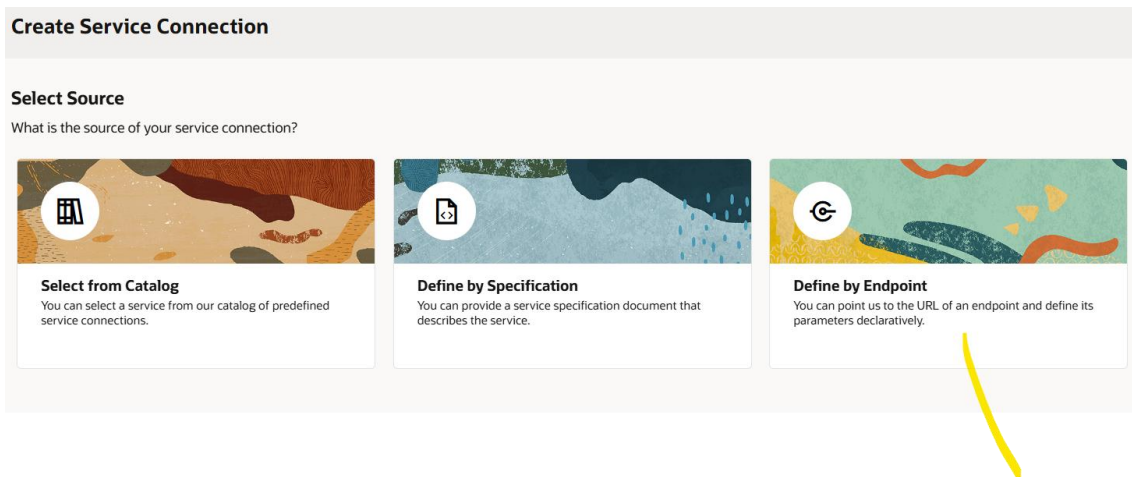


Create App UI.



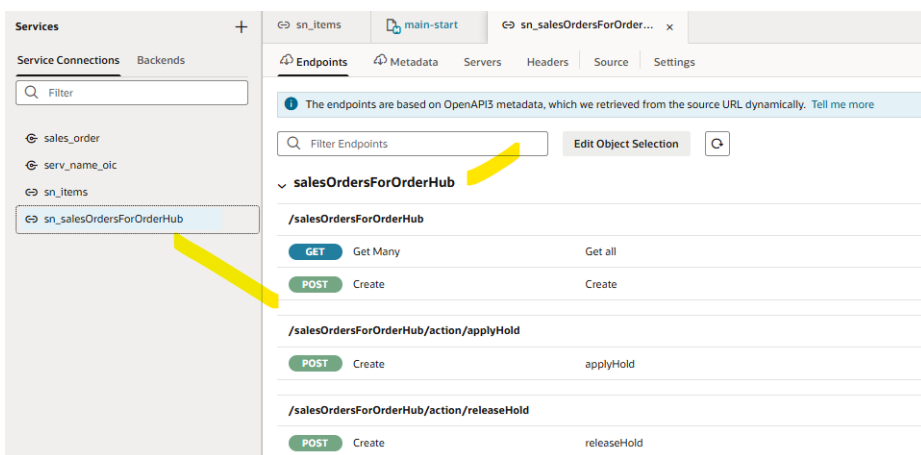
## Connections.

After creating App UI, then create a first connection defined by Endpoint.

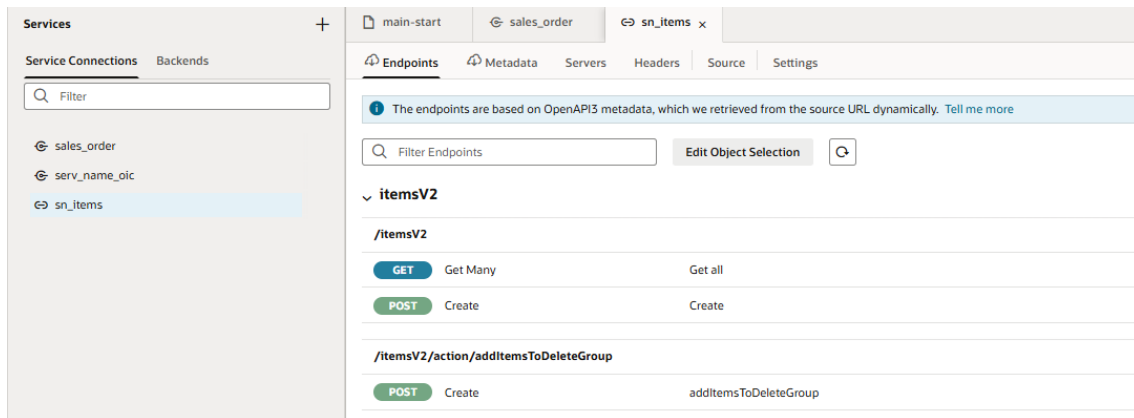


Create the connection for:

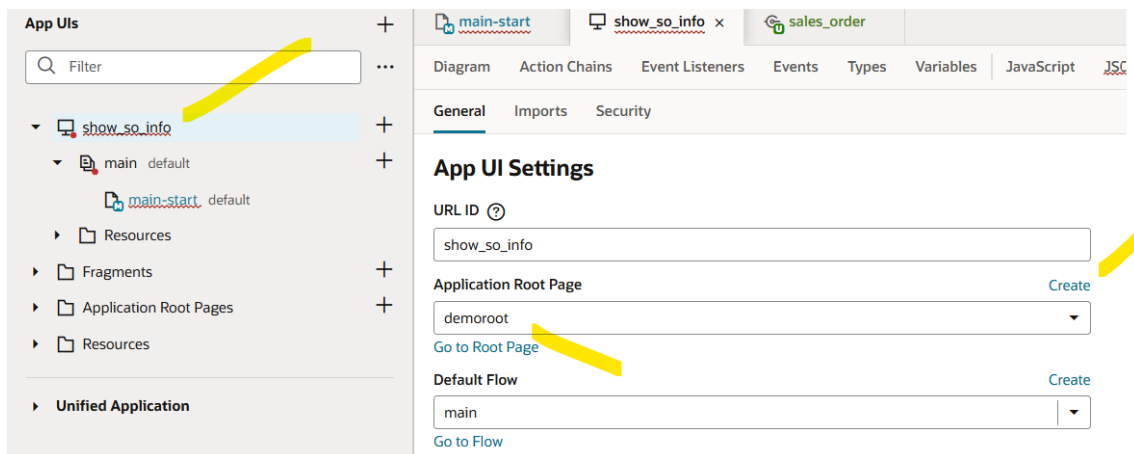
**fscmRestApi/resources/11.13.18.05/salesOrdersForOrderHub**



Create a second connection for Product Management Items.



Now in the application extension, create a new root page with no changes, and set default, as shown.

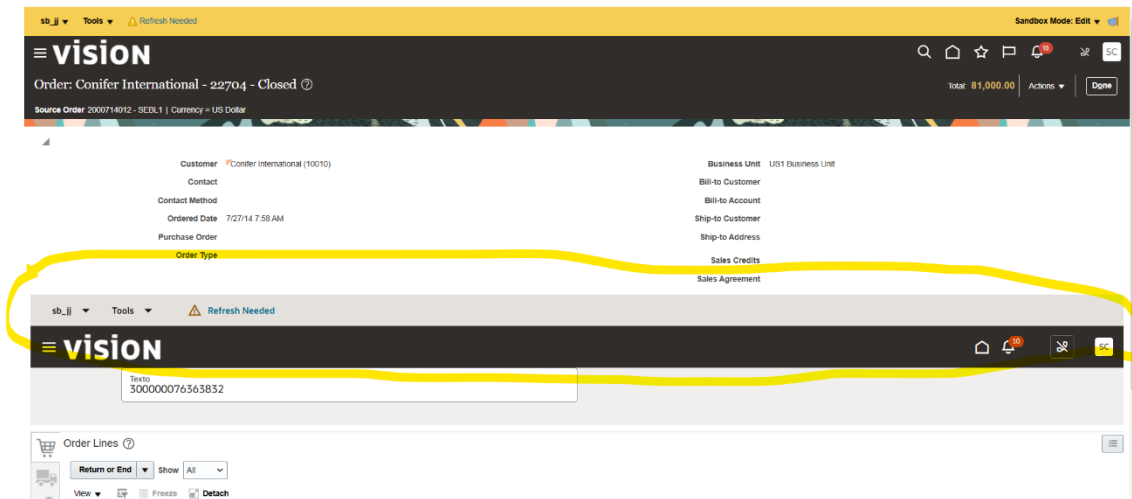


Reason?

Not to have the same SaaS menu repeated in the page, above (normal SaaS menu) and on our page.

With this approach, we are trying basically to avoid this weird behavior:

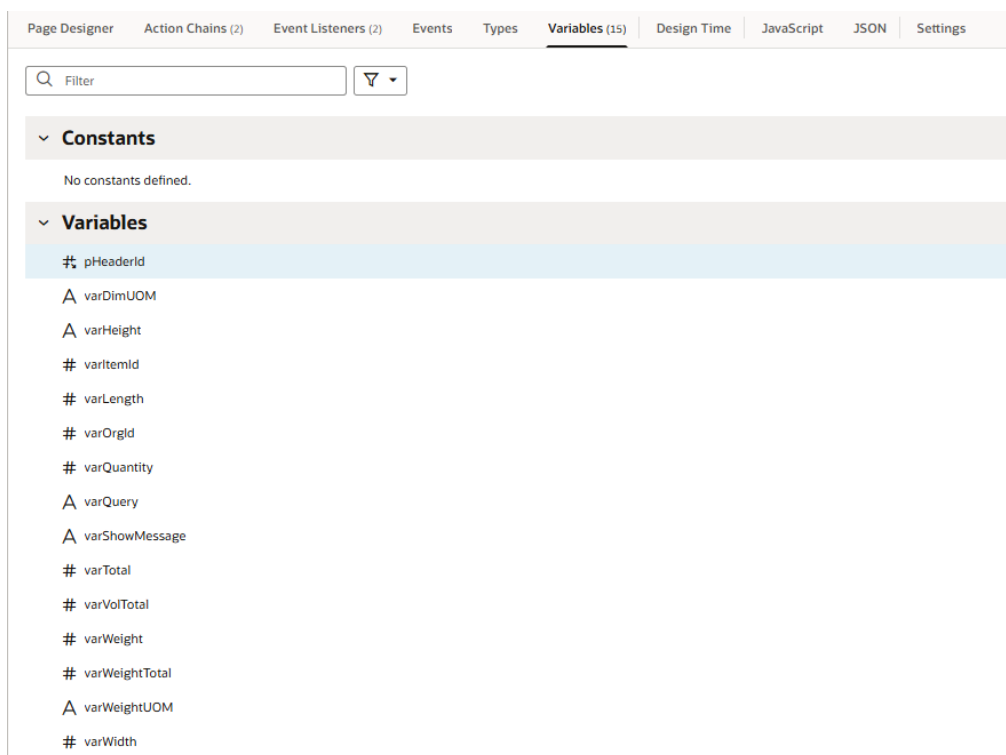




Reference document.

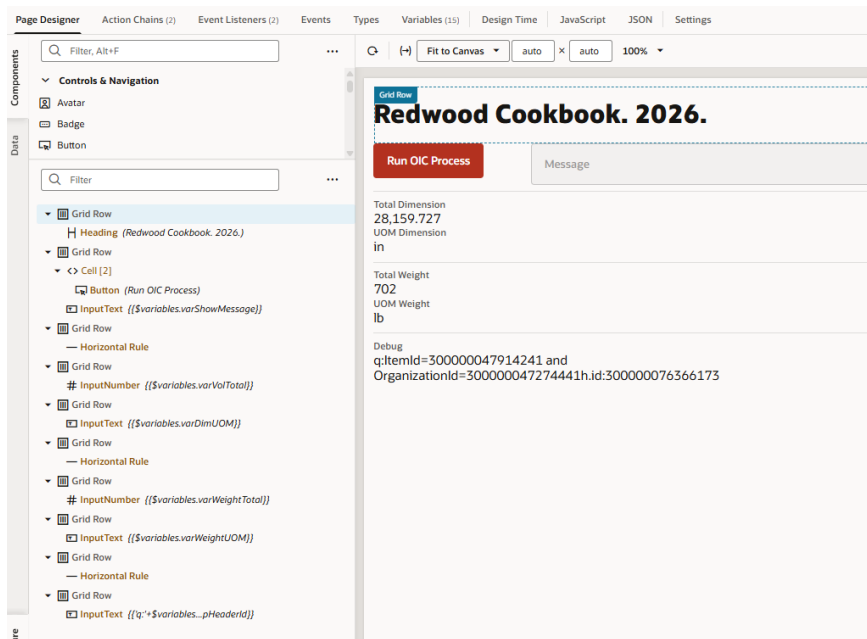
<https://community.oracle.com/customerconnect/discussion/832774/vb-extension-embedded-in-fa-how-to-remove-the-fa-menu-and-header>

Create variables as shown.

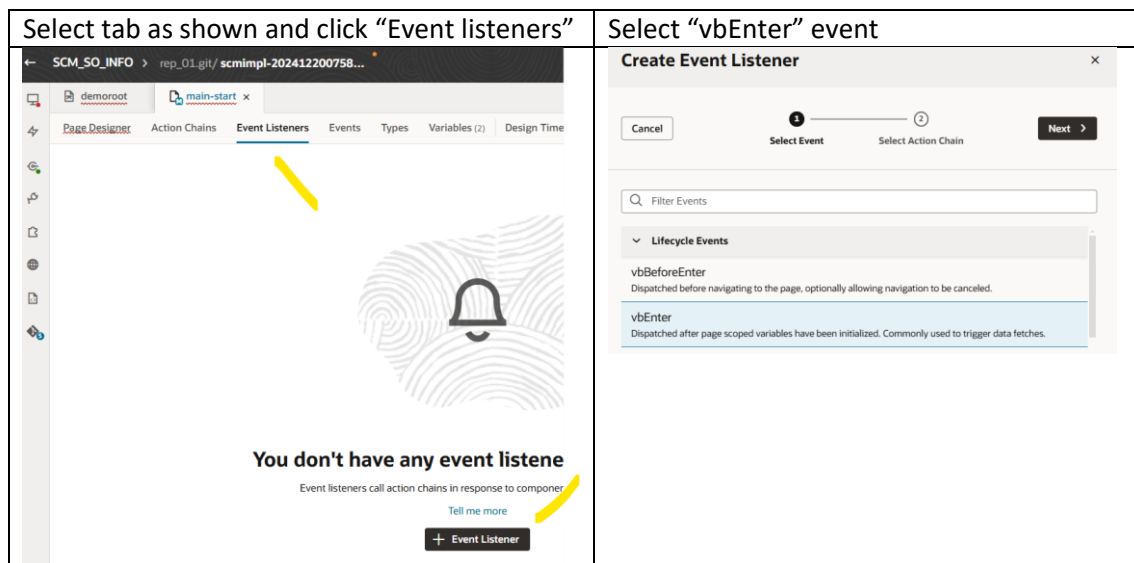


A key point in this demo is the pHeaderId variable shown, as this would receive the parameter sent by the ADF page.

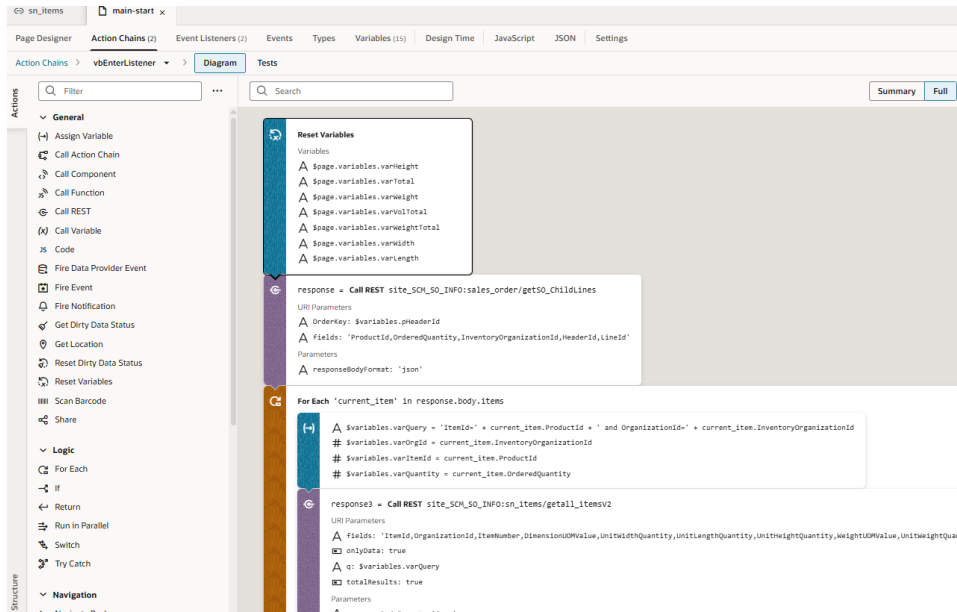
Create the following “Input Text” components assigning variables (review our code).



Create “vbEnter” event listener to get values calculated.



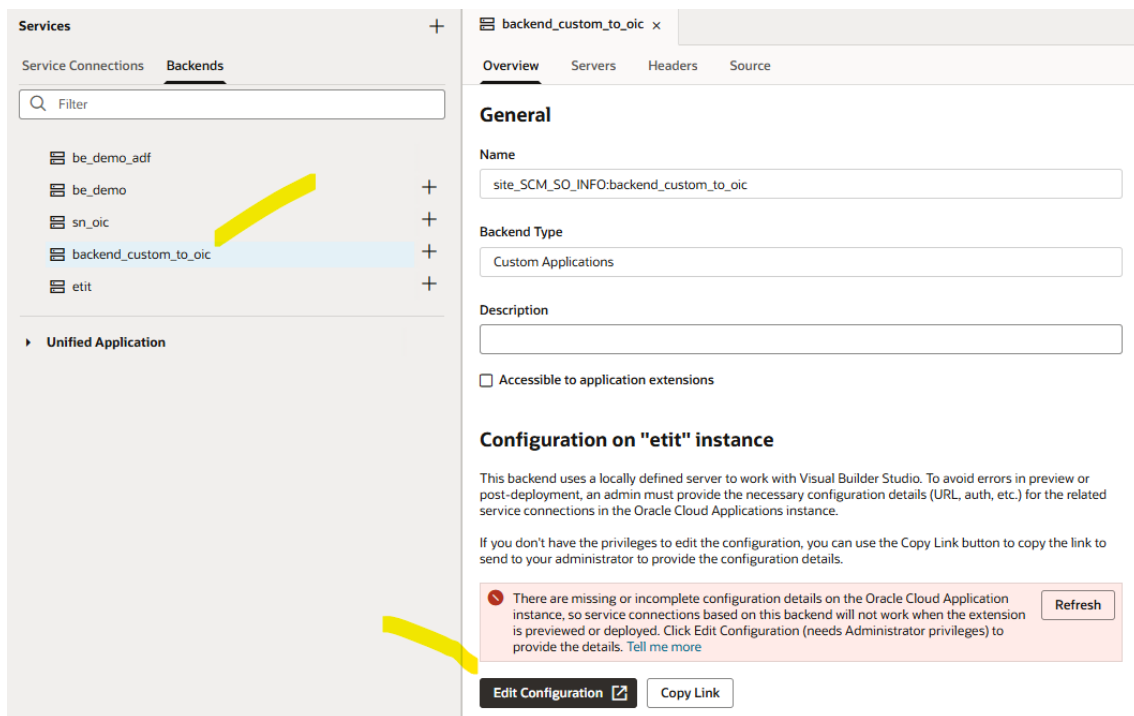
In the “Action Chain” just created, we have done these steps to accomplish some calculations, that will be reflected in the “Input text” components.



## Visual Builder extension steps to add a button to call OIC integration.

Set up backend and connection to OIC.

If you find this warning when setting up backend for OIC.



Click on Edit and set up the following data.

+

Create

✖

Delete

oracle\_fai\_aistudiopublicUI:back  
end1

Creates a new supplier in Fusion  
Procurement

site\_SCM\_SO\_INFO:etit

https://fa-etit-saasfadm1.ds-  
fa.oraclepemos.com/

site\_elinvoice\_app3:AMEGO

1

site\_elinvoice\_app4:Amego

z

site\_prc\_extension:backend\_for\_  
NH

backend\_for\_NH

site\_credit\_app:Amego

11

site\_SCM\_SO\_INFO:backend\_custom\_to\_oic

General information

Extension ID

site\_SCM\_SO\_INFO

Backend Name

backend\_custom\_to\_oic

Instance URL

https://design.integration.ca-montreal-1.ocp.oracleclou

Authentication

Basic

Backend Description

https://design.integration.ca-montreal-1.ocp.oraclecloud.com/

Enter a brief description of the backend connection so that you can identify it easily.

Authentication details

User Name

juanje

Password

\*\*\*\*\*

Cancel

Update

Press update, and then Refresh as shown.

service connections in the Oracle Cloud Applications instance.

If you don't have the privileges to edit the configuration, you can use the Copy Link button to copy the link to send to your administrator to provide the configuration details.

There are missing or incomplete configuration details on the Oracle Cloud Application instance, so service connections based on this backend will not work when the extension is previewed or deployed. Click Edit Configuration (needs Administrator privileges) to provide the details. [Tell me more](#)

Refresh

Edit Configuration

Copy Link

Then you will see the clean page.

Configuration on "etit" instance

This backend uses a locally defined server to work with Visual Builder Studio. To avoid errors in preview or post-deployment, an admin must provide the necessary configuration details (URL, auth, etc.) for the related service connections in the Oracle Cloud Applications instance.

If you don't have the privileges to edit the configuration, you can use the Copy Link button to copy the link to send to your administrator to provide the configuration details.

Edit Configuration

Copy Link

Transforms

See examples

Source

None

12

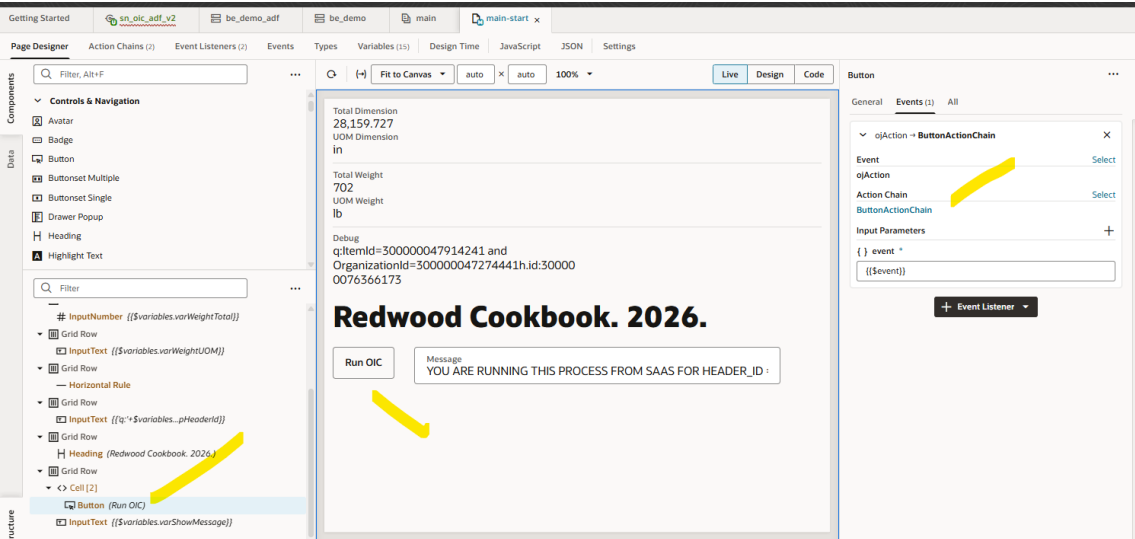
Redwood Customization CookBook 2026.

In the instances we are using for this demo, SaaS is not directly set up to use OIC.

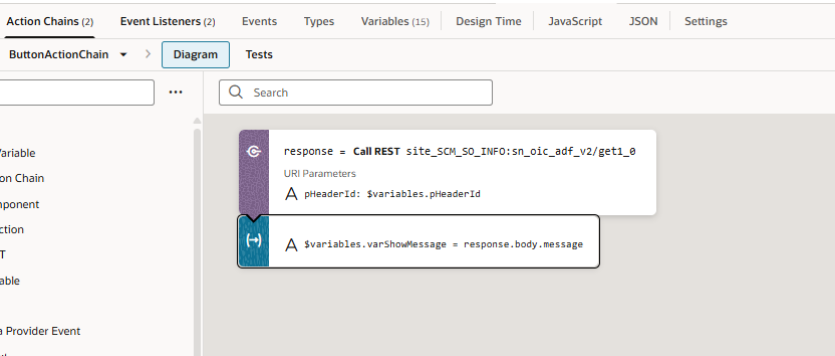
In yours, probably you will have OIC setup to use directly with SaaS Visual Builder which will avoid the following and will make the connection setup easier. Your IT team will help you.

**Steps on VB side after connection setup.**

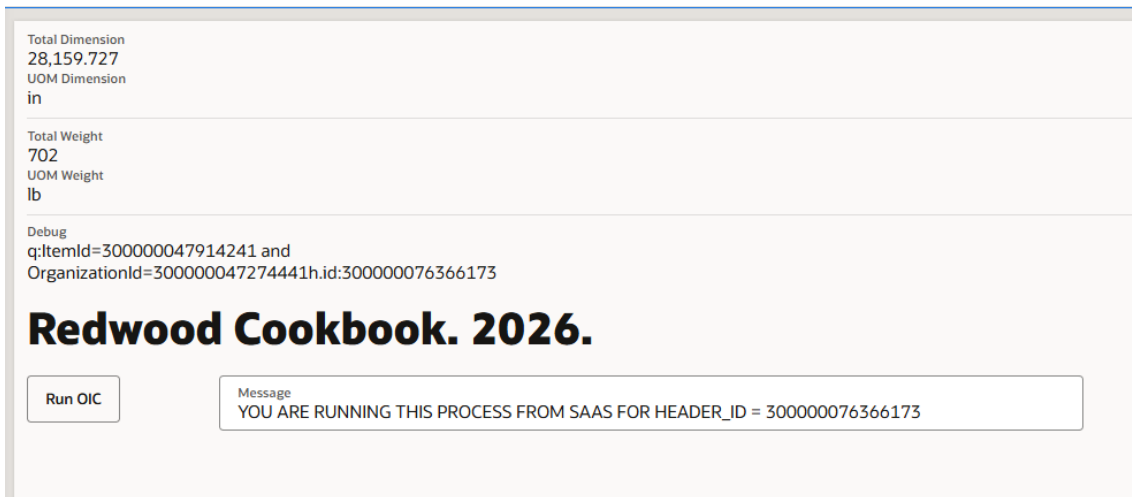
Add “Button” component to run OIC integration.



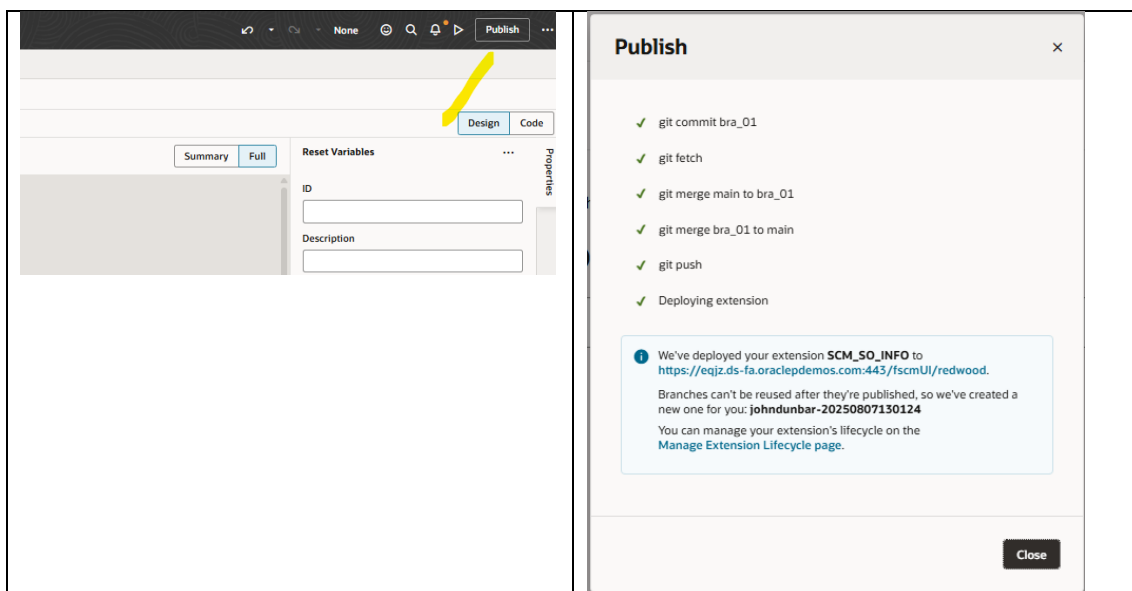
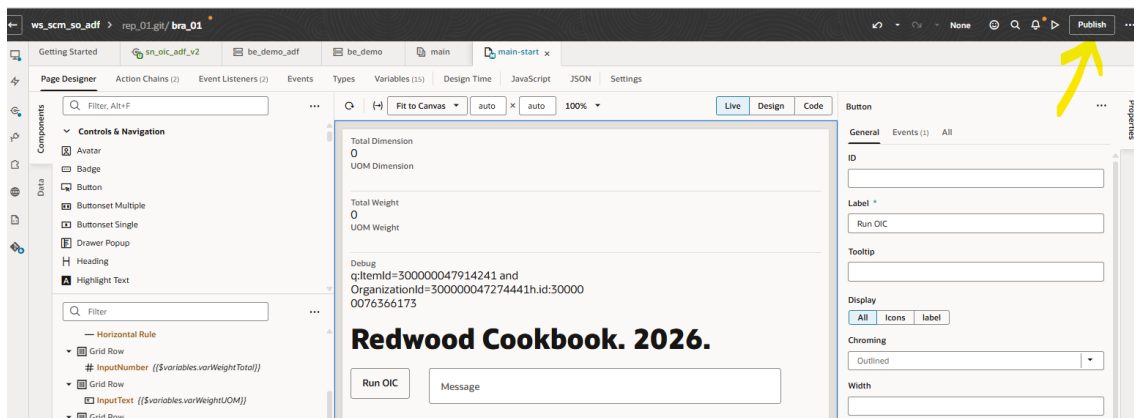
“Action Chain” code.



Unit test using a default value for Sales Order Id.

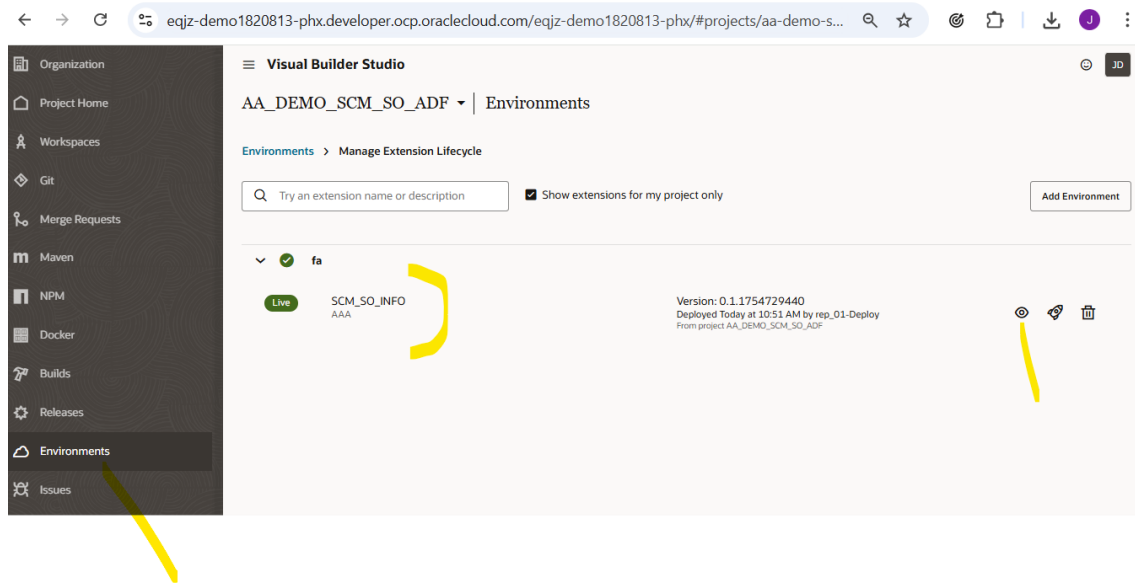


For publishing the extension, follow blogs related if you find issues.



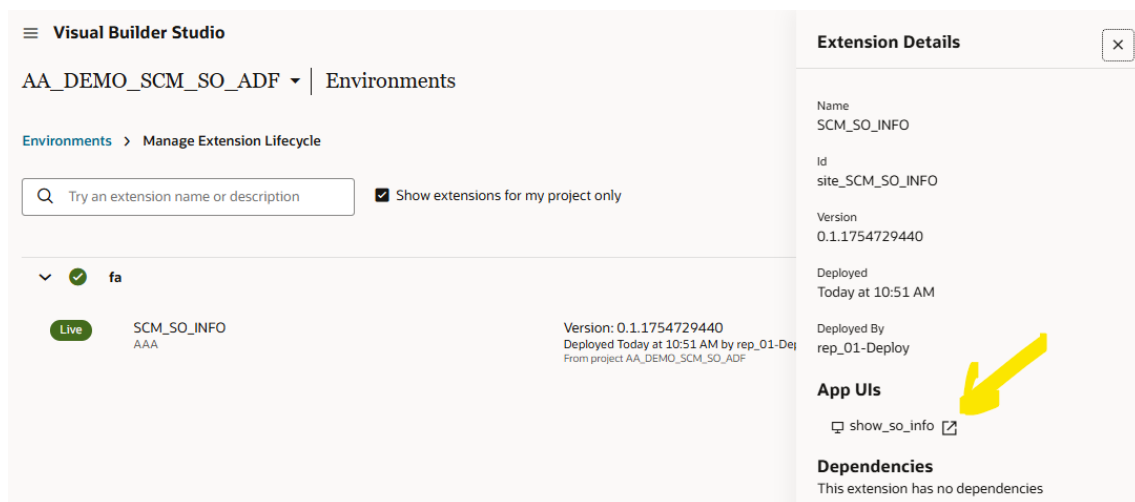
You should have your URL, to get it do the following:

- Exit design mode and navigate to "Environments".

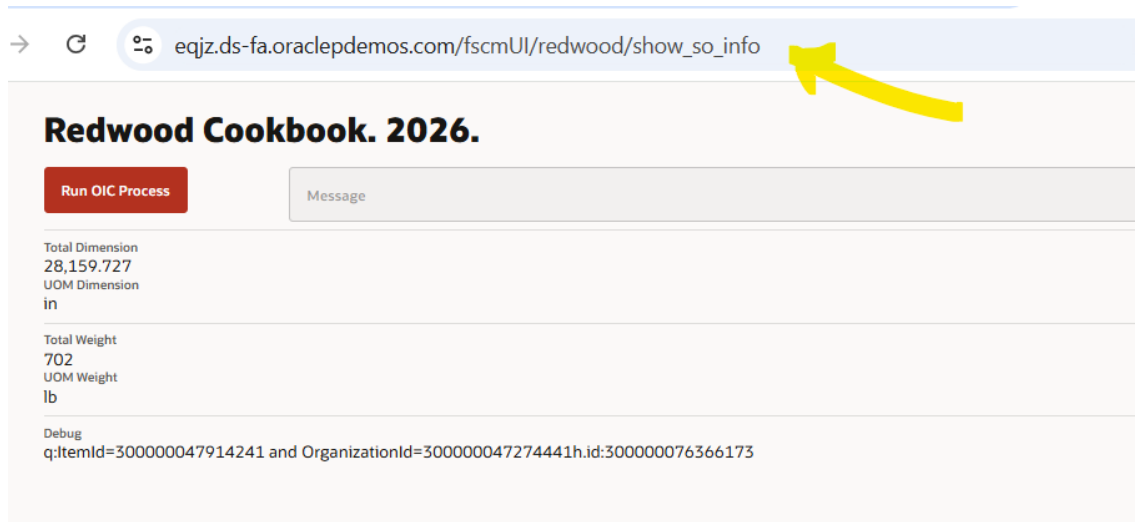


And then click in the “Eye” icon as shown above.

Then click as shown below to Open the app.



Here you will get your URL.



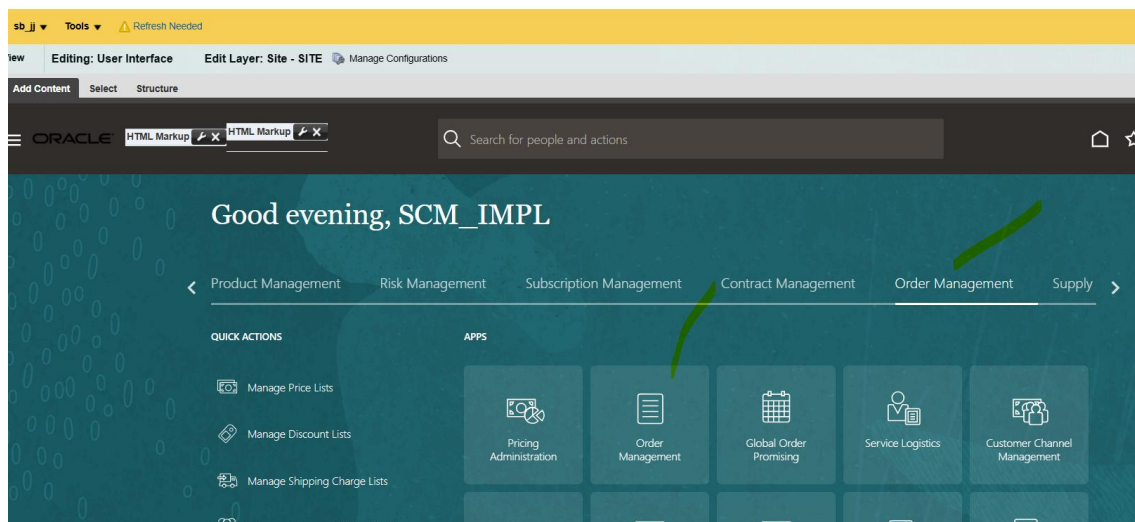
[https://zzz.ds-fa.oraclepdemos.com/fscmUI/redwood/show\\_so\\_info](https://zzz.ds-fa.oraclepdemos.com/fscmUI/redwood/show_so_info)

[https://zzz.ds-fa.oraclepdemos.com/fscmUI/redwood/show\\_so\\_info?pHeaderId=#{bindings.HeaderId.inputValue}](https://zzz.ds-fa.oraclepdemos.com/fscmUI/redwood/show_so_info?pHeaderId=#{bindings.HeaderId.inputValue})

### Steps Sandbox in SaaS.

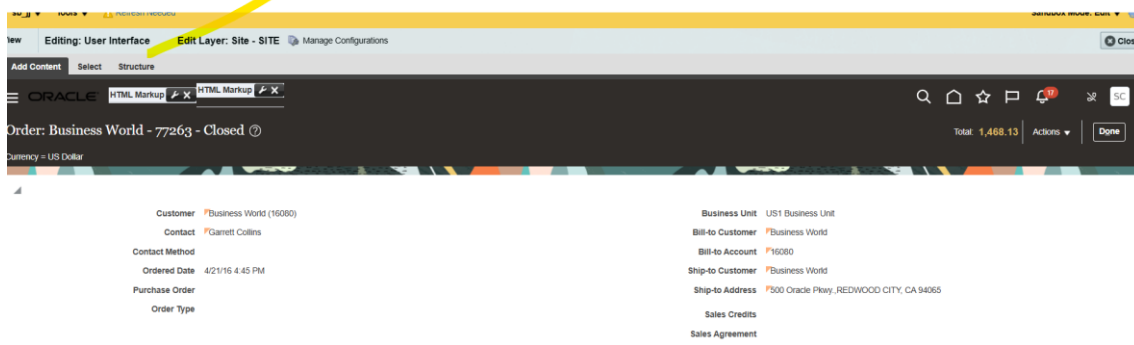
With “Page Composer” tool activated in Sandbox we will embed our web page in Sales Order ADF page.

Follow these steps, menu access.

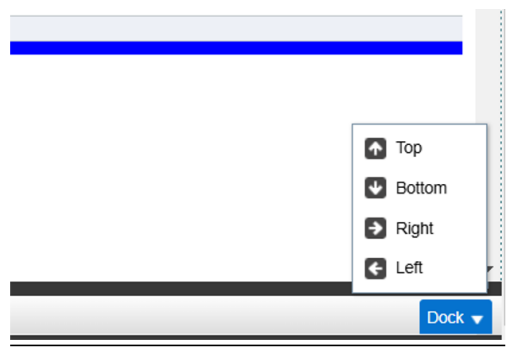


Go to “Structure” tab.

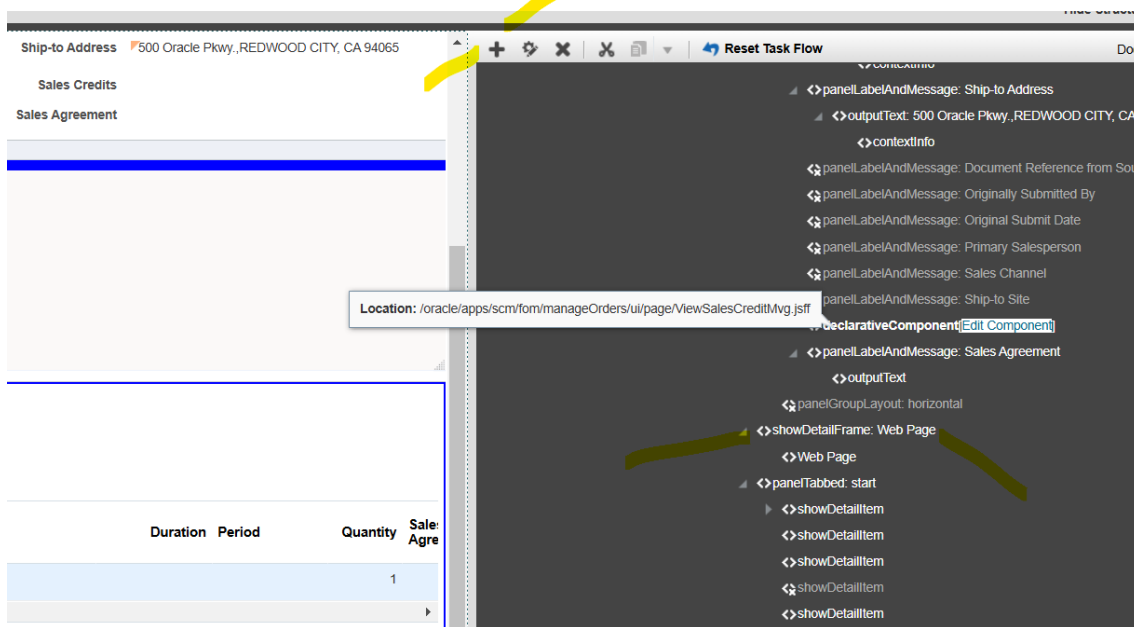


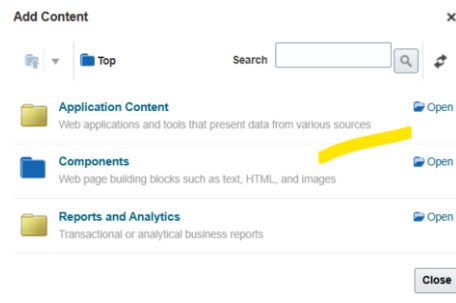


Optionally, dock on the right side.

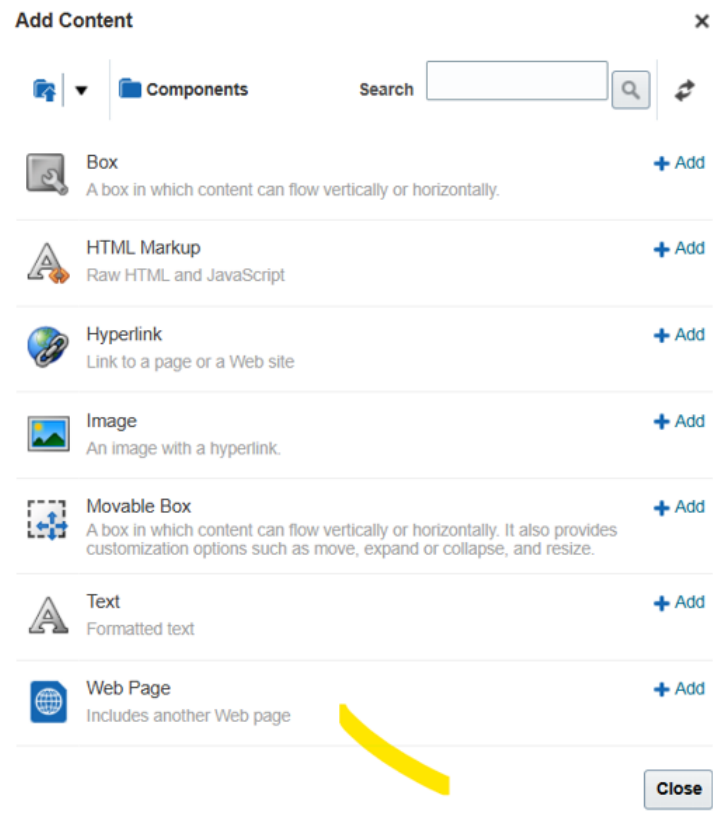


Using menu add “Web Page” component.

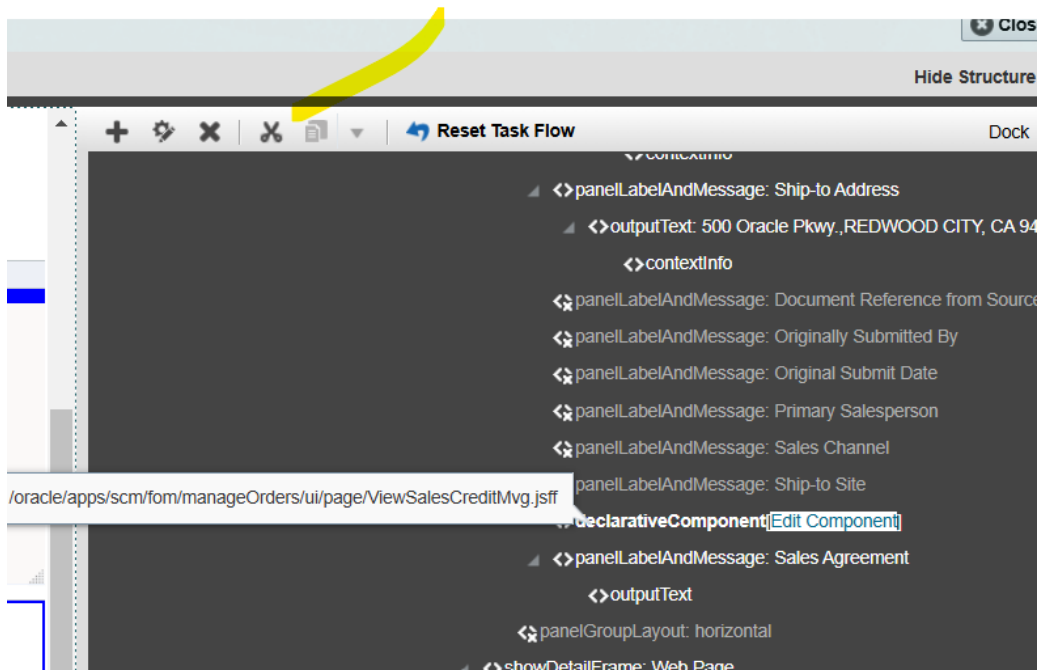




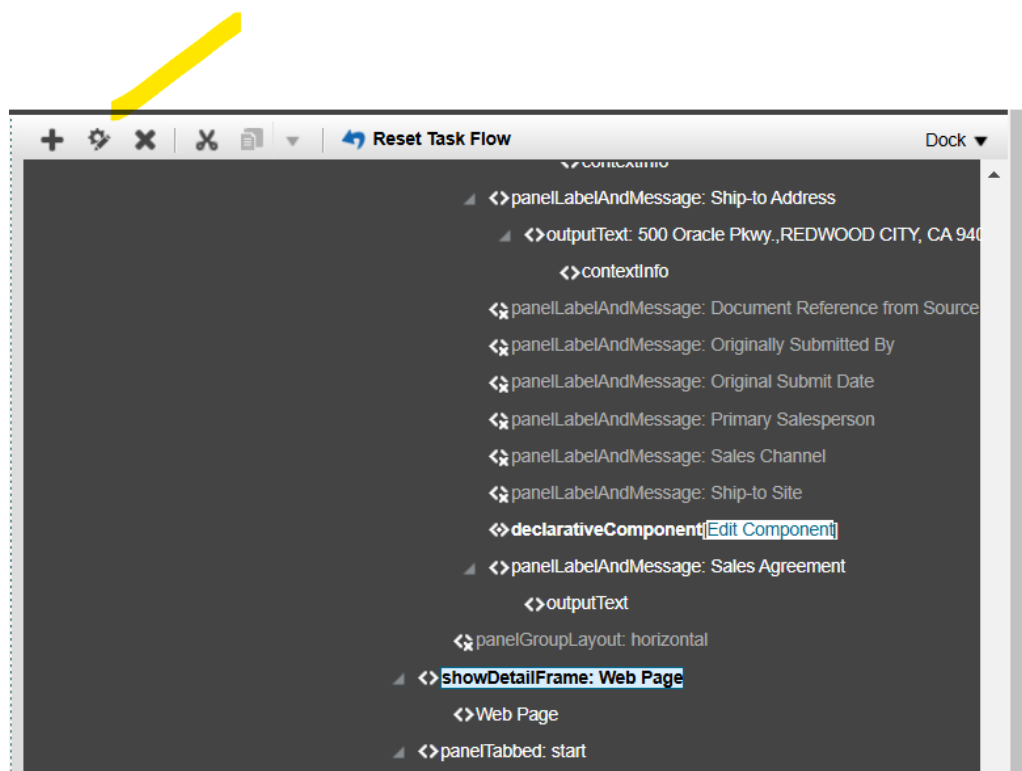
Select Web Page.



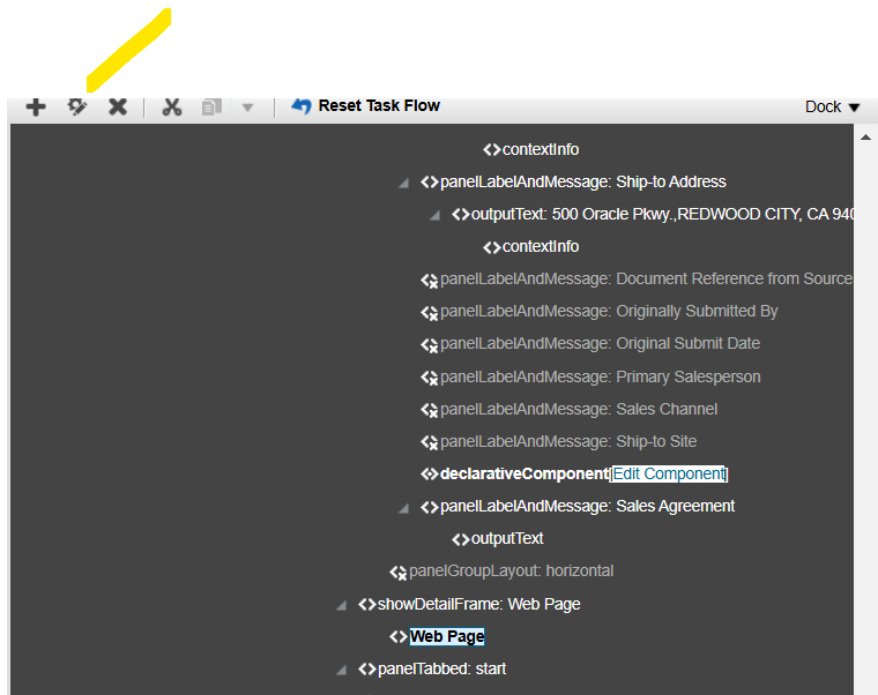
You can use the tools above to cut a paste into the new component as desired (a bit tricky).



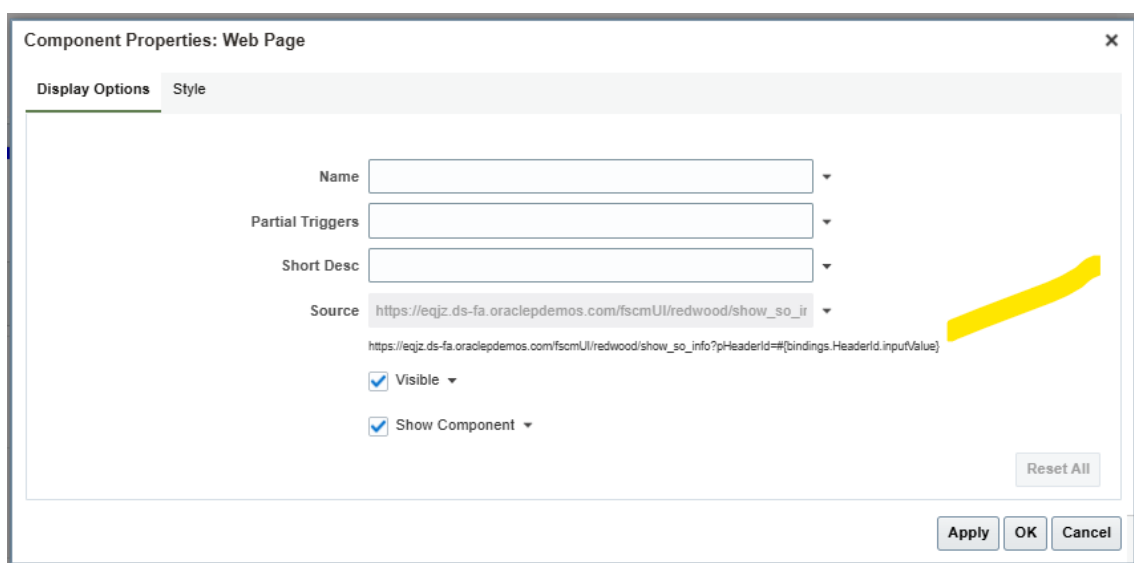
To set these properties, select the component and press Icon above for Frame.



And for Web Page.



This is another key point, because here we send the parameter to our page, in “Source” field.



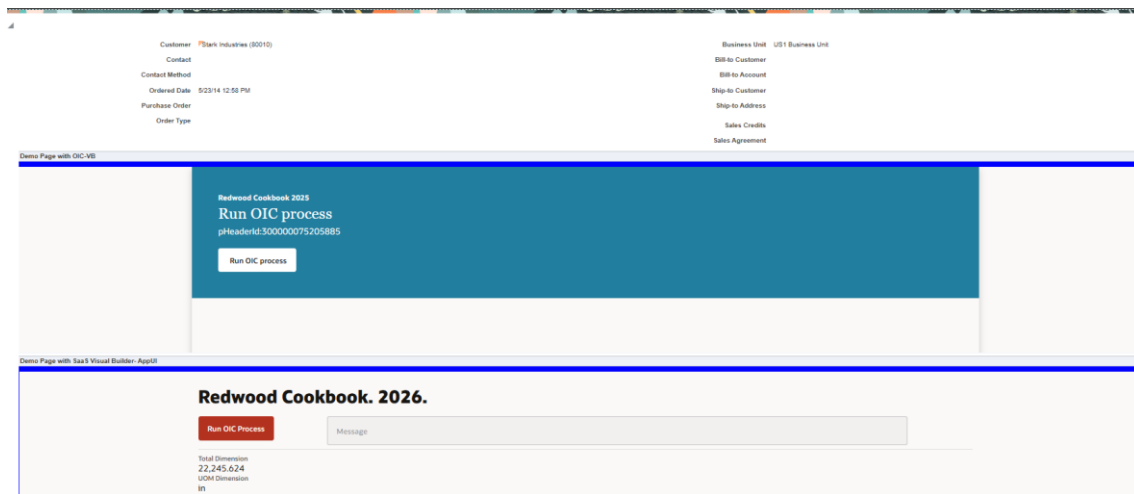
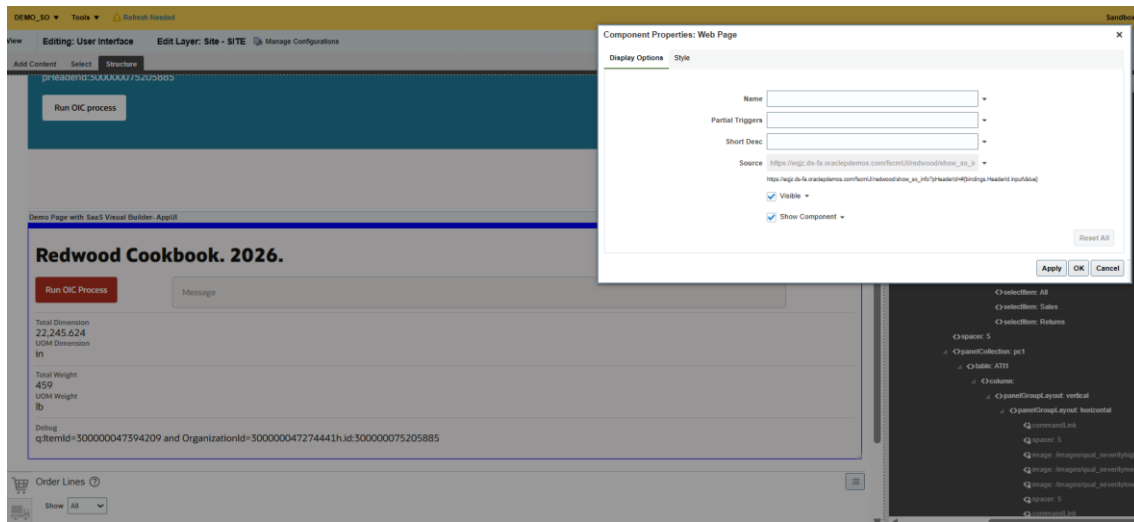
The URL without parameter.

[https://zzzz.ds-fa.oraclepdemos.com/fscmUI/redwood/show\\_so\\_info](https://zzzz.ds-fa.oraclepdemos.com/fscmUI/redwood/show_so_info)

The URL with parameter, using value from the SaaS page.

[https://zzzz.ds-fa.oraclepdemos.com/fscmUI/redwood/show\\_so\\_info?pHeaderId=#{bindings.HeaderId.inputValue}](https://zzzz.ds-fa.oraclepdemos.com/fscmUI/redwood/show_so_info?pHeaderId=#{bindings.HeaderId.inputValue})

Now, you can already see the VB page embedded in SaaS page.



After publishing Sandbox, all SaaS users would see the change, if no restrictions applied (see reference documentation for restrictions using Expression).

Customer
ABC Application Software (20360)
Contact
Contact Method
Ordered Date
7/1/14 12:58 PM
Purchase Order
Order Type

Business Unit
US1 Business Unit
Bill-to Customer
Bill-to Account
Ship-to Customer
Ship-to Address
Sales Credits
Sales Agreement

**Info**

YOU ARE RUNNING THIS PROCESS FROM SAAS FOR HEADER\_ID = 300000076366712

Redwood Cookbook 2025

## Run OIC process

pHeaderId:300000076366712

Run OIC process

## Redwood Cookbook. 2026.

Run OIC Process

Message  
MESSAGE FROM SaaS App UI extension:YOU ARE RUNNING THIS PROCESS FROM SAAS FOR HEADER\_ID = 300000076366712

Total Dimension  
24,350.625  
UOM Dimension  
in

Total Weight  
720  
UOM Weight  
lb

Some Redwood pages allows to include buttons to run REST API or OIC REST integrations easily.

Technical

Code example	Comments
XX_DEMO_CALL_OIC_FROM_VB_01.00.0000.iar	Integration used for demo purposes
Redwood_Cookbook_2026_scm_so_show_in_ADF_and_OIC_call 5.0.zip	Visual Builder application extension used in demo. Part 2.