

SaaS-VB extension.

Classic-ADF Sales Orders.

Call OIC integration.

Our comments.

The following is a demo for learning purposes.

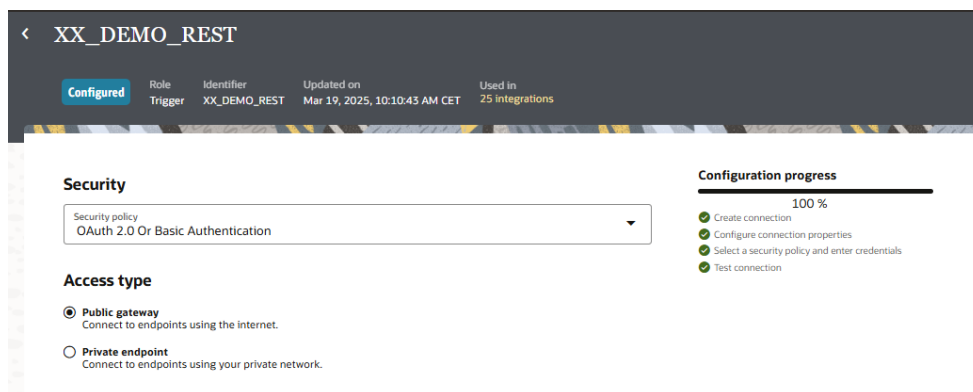
This example could be used for other ADF-SaaS pages that have not yet migrated to Redwood.

Note: some Redwood pages allows to include buttons in “new Sections” to run REST API or OIC REST integrations easily.


OIC Integration steps.

We will build a dummy integration for learning purposes.

- 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

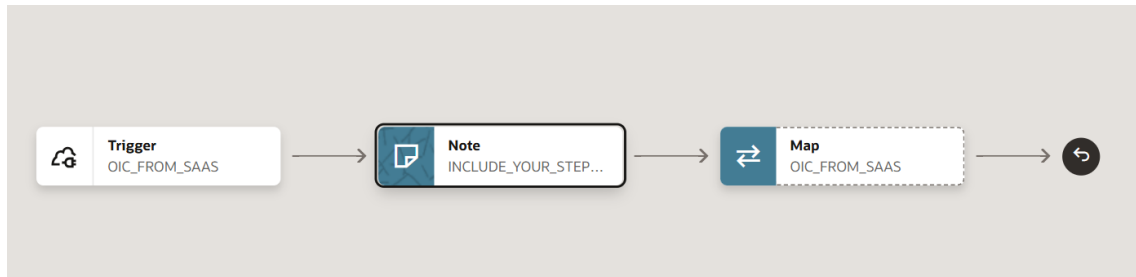
Configure Response

REST trigger

Enter Sample JSON

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

- General overview.



- Mapping.

Map to OIC_FROM_SAAS

XX_DEMO_CALL_OIC_FROM_VB (1.0.0) - Unsaved changes

Validate

Sources

- OIC_FROM_SAAS Request (REST)
 - Query Parameters
 - P Header Id
 - Connectivity Properties
 - Security Properties
 - Integration Metadata
 - pHeaderId
 - Tracking Variable 2
 - Tracking Variable 3

Mapping

OIC_FROM_SAAS response (REST)

- Response Wrapper
 - Message
- Connectivity Properties

Expression for: message

```
concat ("YOU ARE RUNNING THIS PROCESS FROM SAAS FOR HEADER_ID = ", /nstrgmpr:execute/nstrgmpr:QueryParameters/ns21:pHeaderId )
```

- Unit testing after activating.

< XX_DEMO_CALL_OIC_FROM_VB (1.0.0)

Configure and run

Configure request properties, then run the integration and verify the response. [Click here to read more.](#)

GET
/ic/api/integration/v1/flows/rest/XX_DEMO_CALL_OIC_FROM_VB/1.0/?pHeaderId=300000069268731

Request

URI parameters Headers Body cURL Integration properties

☒ pHeaderId 300000069268731

Response

Status: 200 OK Instance ID: cMnC23NkEfCFX1GKFdubGg

Body Headers

```

1 {
2   "message": "YOU ARE RUNNING THIS PROCESS FROM SAAS FOR HEADER_ID = 300000069268731"
3 }

```

- Test from Postman

GET https://oic3-partners-bots4saas-yu.integration.ca-montreal-1.ocp.oraclecloud.com/ic/api/integration/v1/flows/rest/XX...

Params Authorization **Headers (9)** Body Scripts Tests Settings

Headers 8 hidden

	Key	Value	Description
<input type="checkbox"/>	Content-Type	application/vnd.oracle.adf.action+json	
	Key	Value	Description

Body Cookies Headers (8) Test Results 200 OK

{ } JSON Preview Visualize

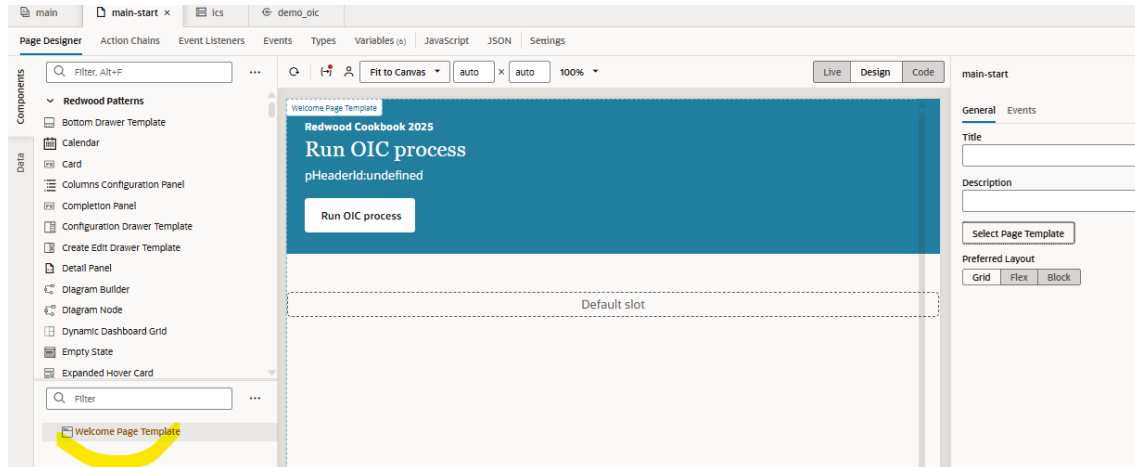
```

1 {
2   "message": "YOU ARE RUNNING THIS PROCESS FROM SAAS FOR HEADER_ID = 300000069268731"
3 }

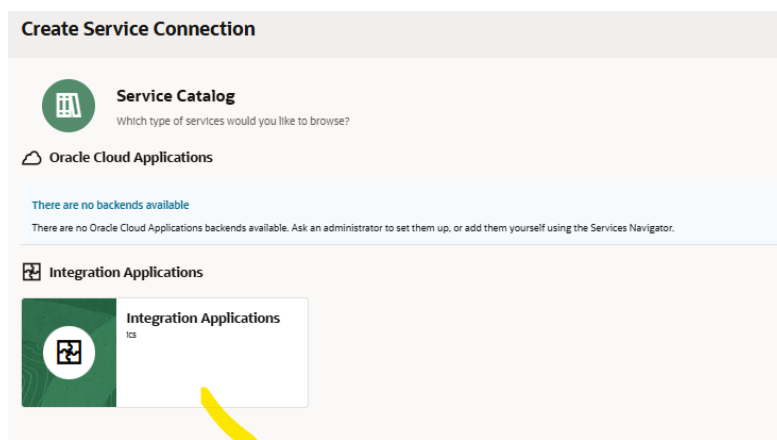
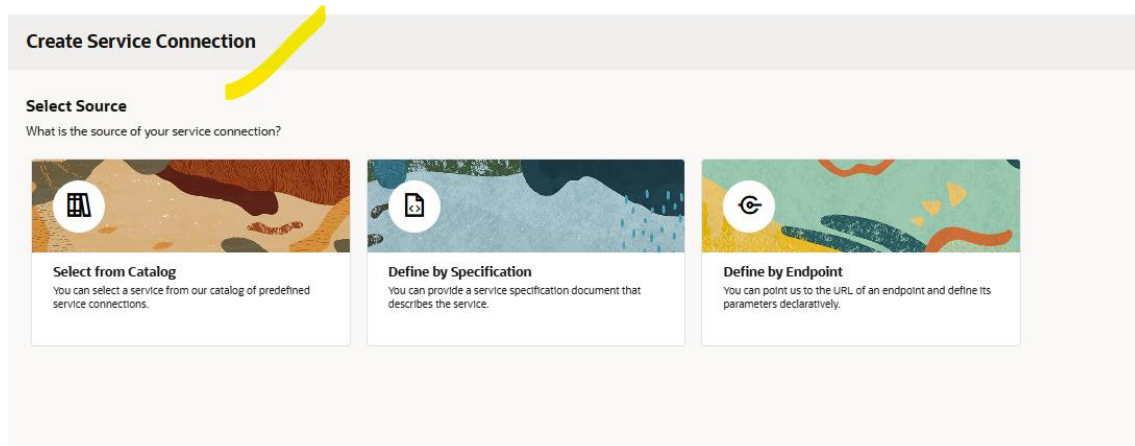
```

Steps OIC Visual Builder

- Create application with template “Welcome Page Template”.



- Connection.



We will probably get this error.

Create Service Connection

Service Name *

<https://oic3-partners-bots4saas-yu.integration.ca-montreal-1.ocp.oraclecloud.com/ic/api/integration/v1/integrations> Oracle Cloud Account

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

Select All No endpoints selected

Network Error

Unable to read the Integrations from vb-catalog://backends/ics/ic/api/integration/v1/integrations.

Please check the settings for Integration Applications and verify that Integration Applications server is working.

Go to backend.

ORACLE Visual Builder XX_SCM_SO_POC_ADF DEVELOPMENT 1.0

Services **Service Connections** Backends

Filter

Integration Applications

General

Name: ics [Load related service connections](#)

Backend Type: Integration Applications

Description:

Transforms [See examples](#)

Source: None

☒ Override Backend

+ Service Connection

Override as shown.

main main-start ics x

Overview **Servers** Headers Source ☒ Override Backend

List of Servers + In-Source Server

Overridden Integration Server [vb-catalog://backends.tenant/ics](#)

Server based on Integration Server

Tenant <https://oic3-partners-bots4saas-yu.integration.ca-montreal-1.ocp.oraclecloud.com/>

Used In profile [Base configuration](#)

Go to Servers, Edit.

Edit Server

Server Identification

Instance URL ⓘ
yb-catalog//backends.tenant/ics/

Description ⓘ Keep it short so you can identify the server easily
Overridden Integration Server

Server Variables

URI Template expressions entered in the URL field will be listed here.

Application Profiles

Security [Revert back to inherited](#)

☐ Allow anonymous access to the service connection infrastructure

Authentication

Delegate Authentication

Connection Type ⓘ Inherited from Backend

Dynamic, the service supports CORS

[Override Connection Type](#)

Change Authentication as shown above.

Repeat the creation connection step. Filter and assign name.

Create Service Connection

Service Name ⓘ demo_oic

https://oic3-partners-bots4saas-yu.integration.ca-montreal-1.ocp.oraclecloud.com/ics/api/Integration/v1/Integrations Delegate Authentication

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

Search: demo Clear All 1 of 1 endpoints (3 objects) selected - 1 endpoints match

- ☒ Default Package 1 of 1 endpoints (2 of 36 child objects) selected
 - ☒ XX_DEMO_CALL_OIC_FROM_VB|01.00.0000 1 of 1 endpoints (1 of 1 child objects) selected
 - ☒ /XX_DEMO_CALL_OIC_FROM_VB/1.0/ 1 of 1 endpoints selected

- Variables.

This variable will be created as “Input parameter”.

main main-start x ics demo_oic

Page Designer Action Chains Event Listeners Events Types **Variables (4)** JavaScript JSON Settings

Filter ▾ + Constant + Variable

Constants

No constants defined.

Variables

- backgroundcolor
- illustrationBackground
- illustrationForeground
- imageStretch
- mobileImage
- pHeaderid**

Variable

General Events Design Time

ID ⓘ pHeaderid

Type ⓘ String Create

Label

Description

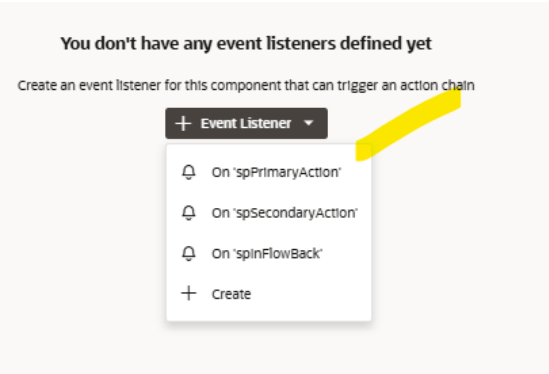
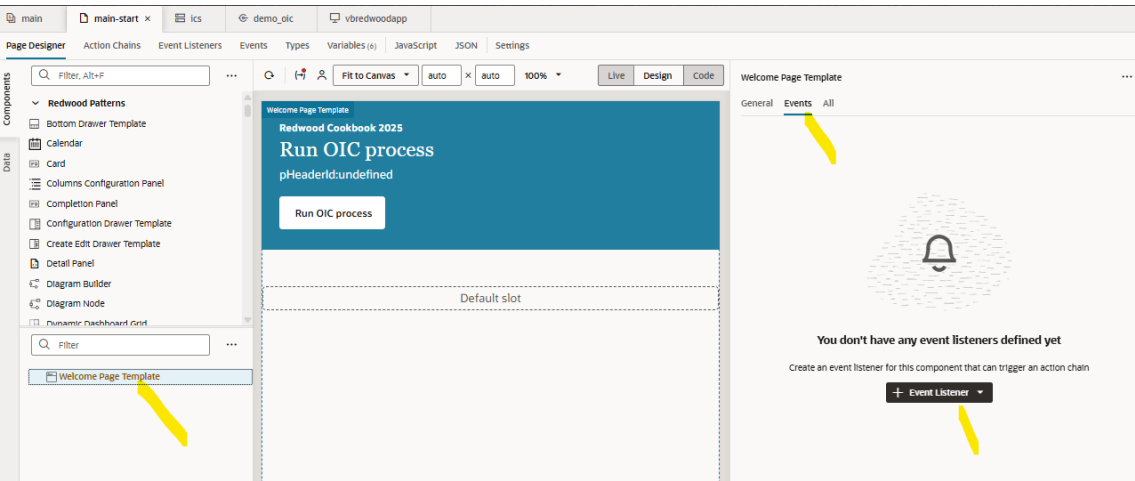
Input Parameter

Disabled Enabled **Required**

☒ Pass On URL

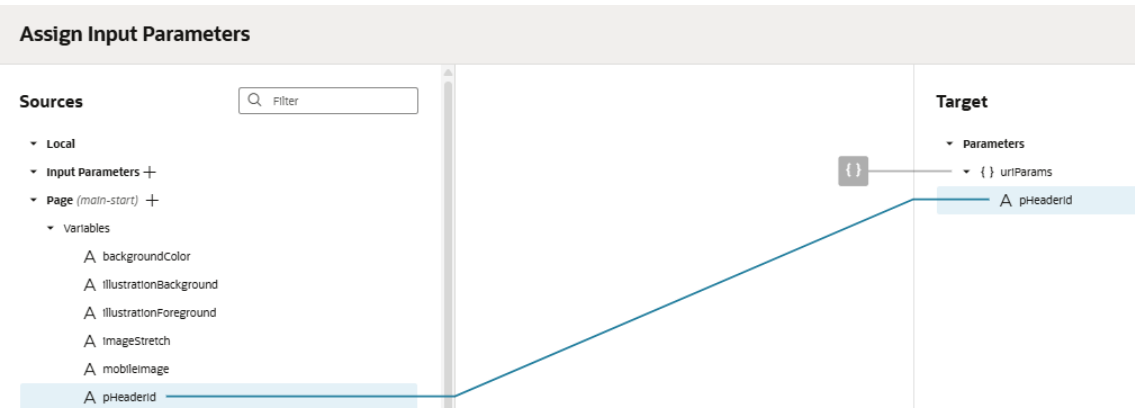
Default Value

Button to run OIC process will be Primary Action of the template.

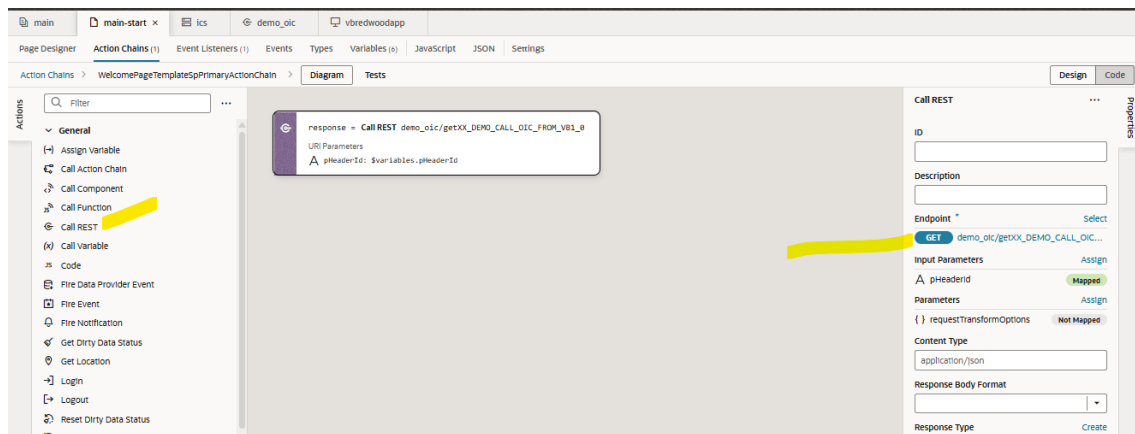


- In action chain.

Add a “Call REST”.



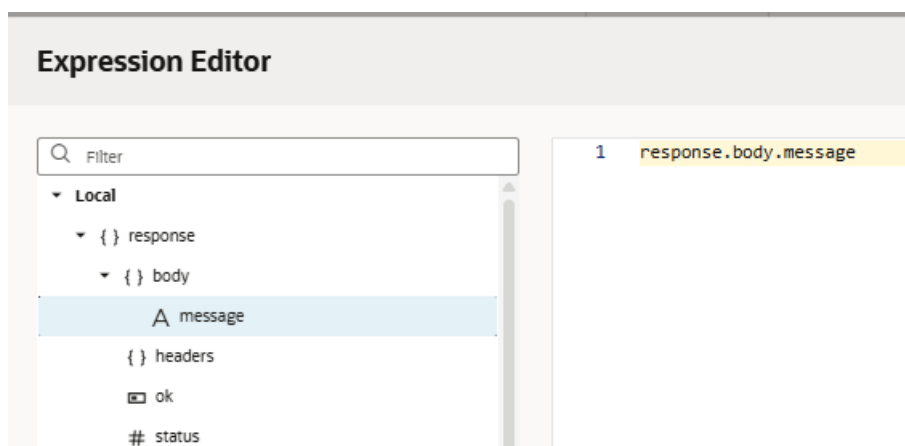
Map parameter.



Include a Fire notification to show the user the result of the OIC call.

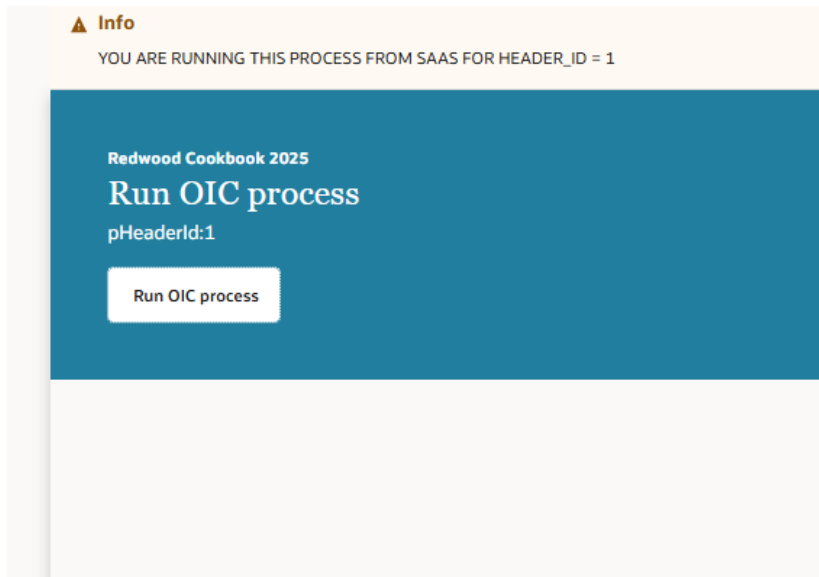


Mapping.



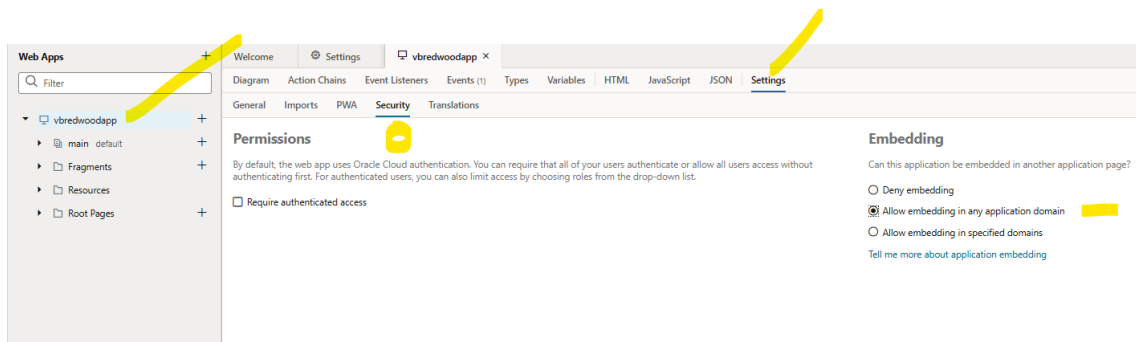
- Unit test in normal browser with manual parameter (yellow part):

https://oic-vbcs-oic3-xxx-vb-xxx.builder.ca-montreal-1.ocp.oraclecloud.com/ic/builder/design/XX_SCM_SO_POC_ADF/1.0/preview/webApps/vbredwoodapp/vp/?pHeaderId=1

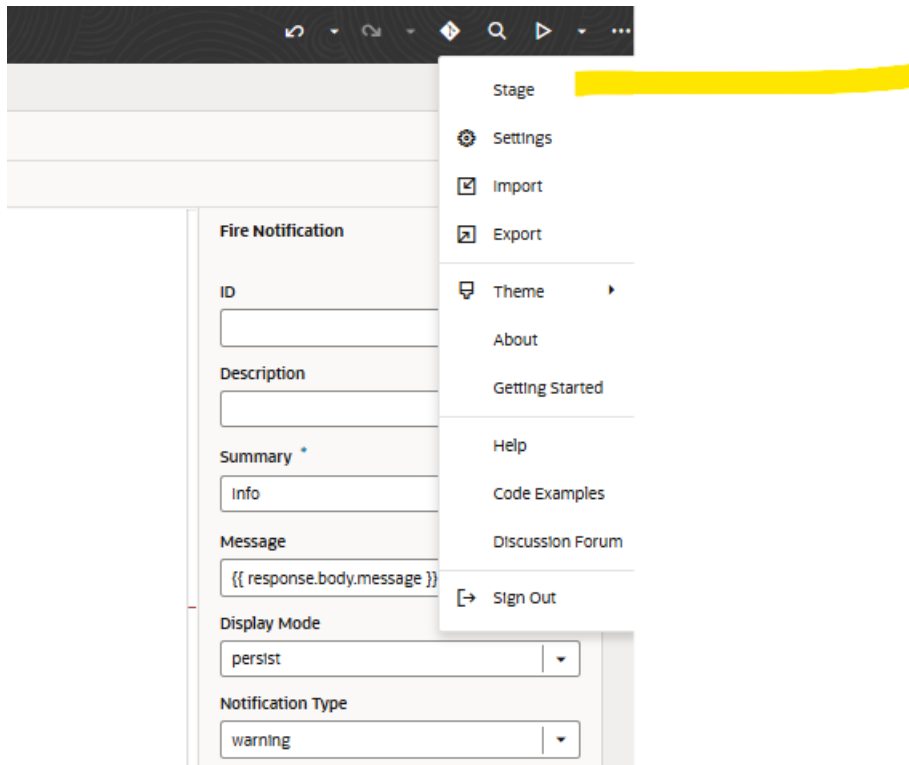


Now stage and publish the application to get the URL to use below in Sandbox.

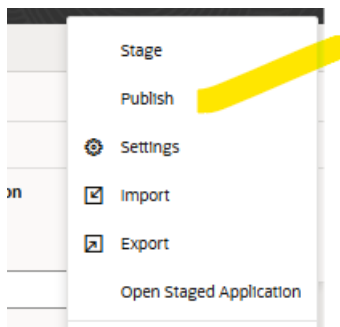
Before any operation this step is a must.



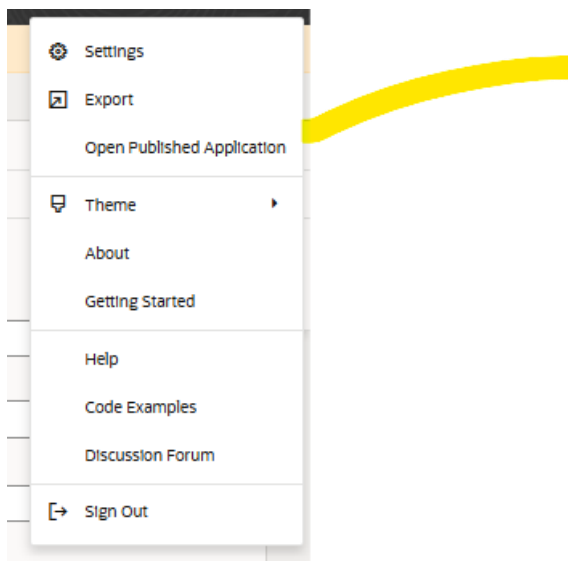
Stage.

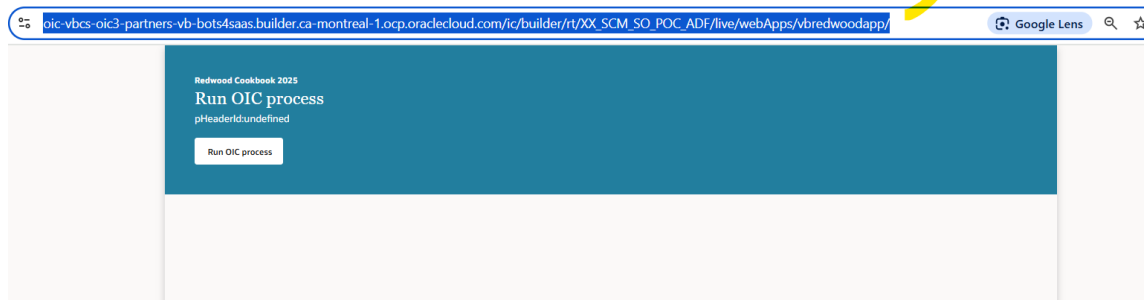


Publish.



Run published and get the URL.



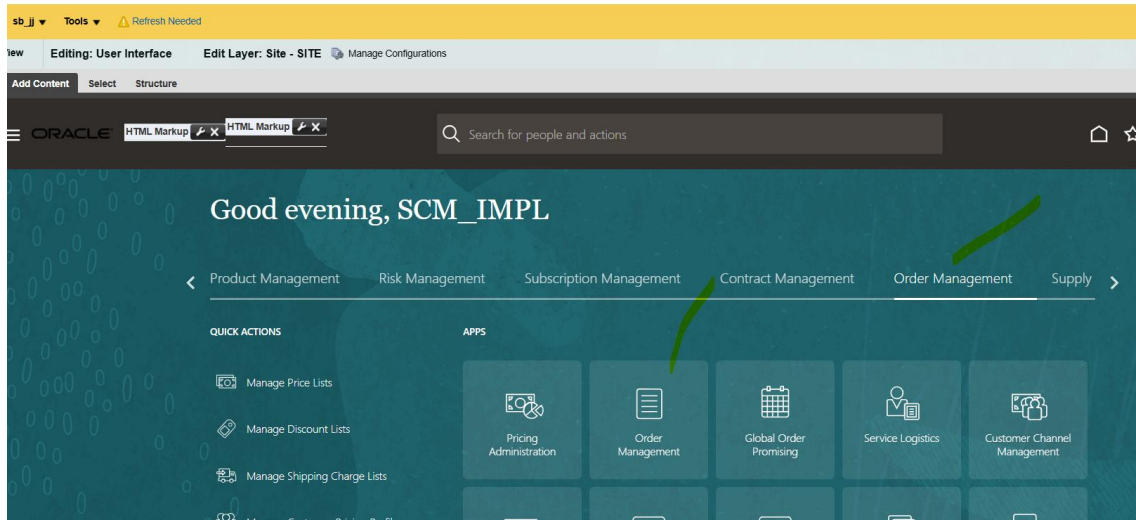


`https://oic-vbcs-oic3-XXX-vb-XXX.builder.ca-montreal-1.ocp.oraclecloud.com/ic/builder/rt/XX_SCM_SO_POC_ADF/live/webApps/vbredwoodapp/`

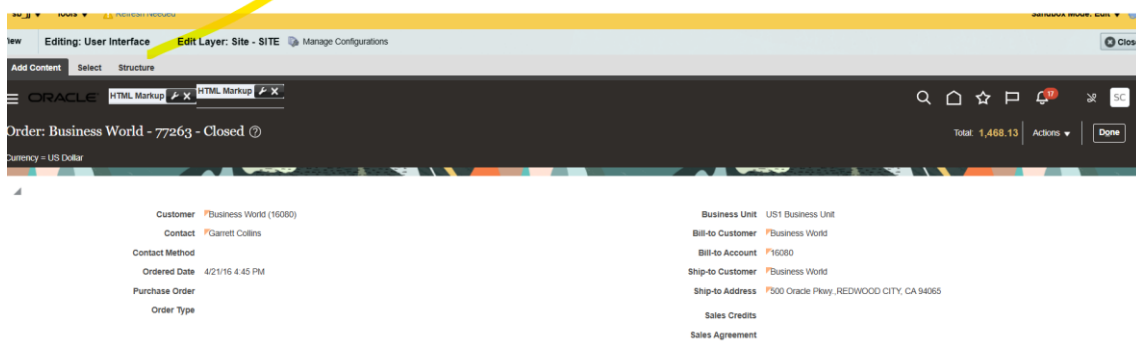
Steps Sandbox SaaS

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

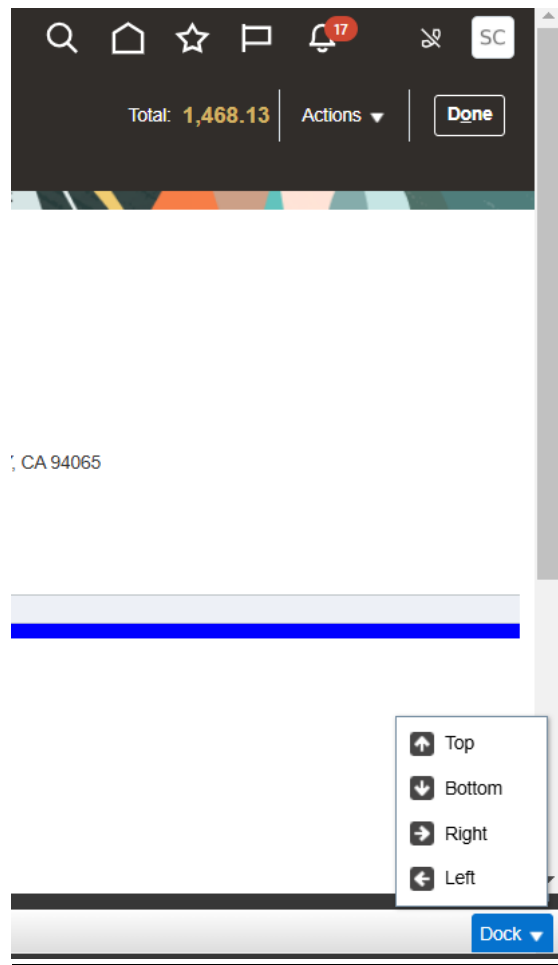
Follow these steps, menu access.



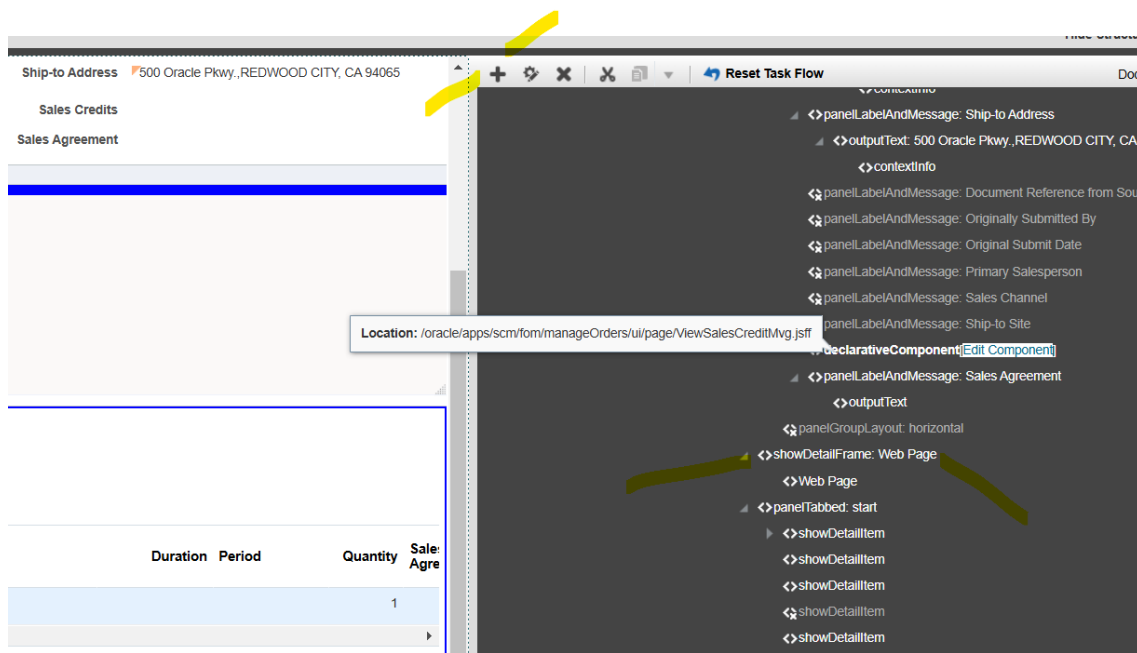
Go to Structure tab.

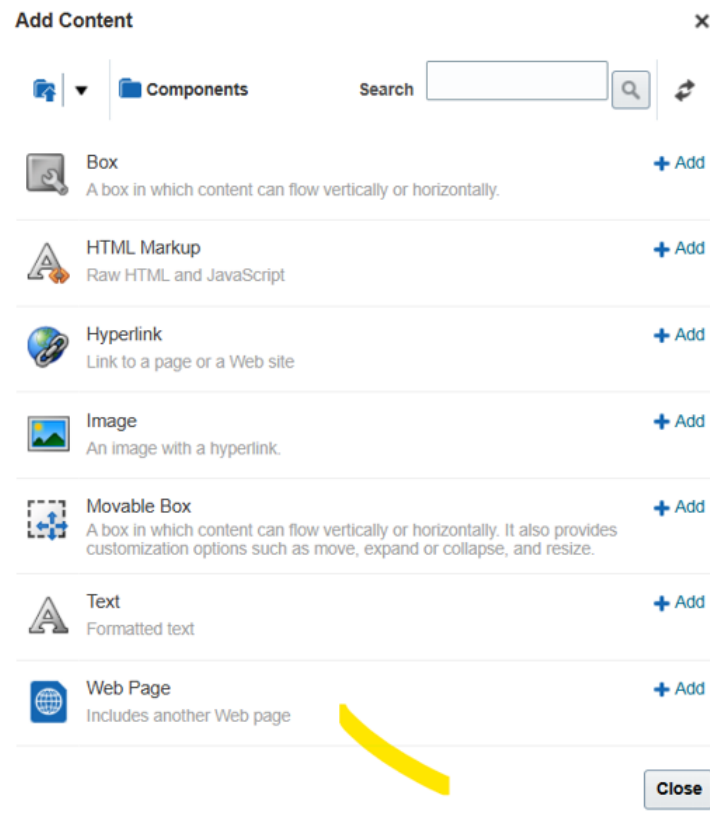
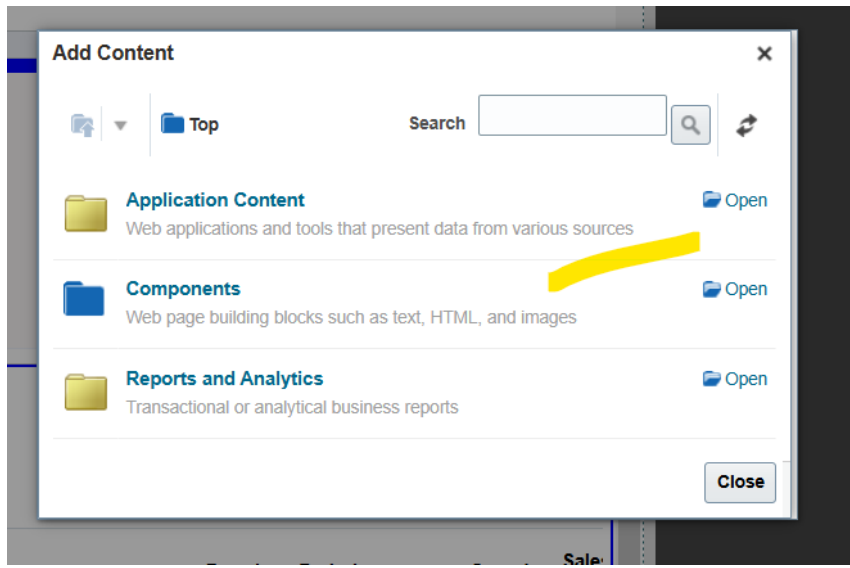


Optionally, Dock right.

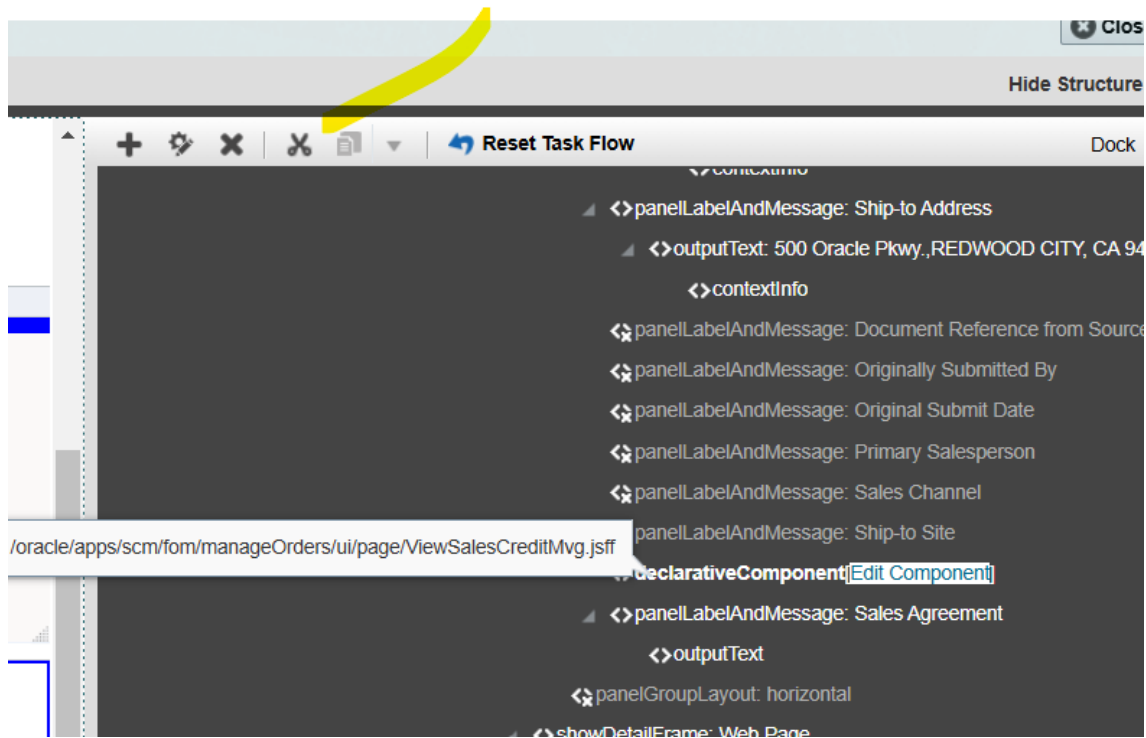


Using menu add “Web Page” component.

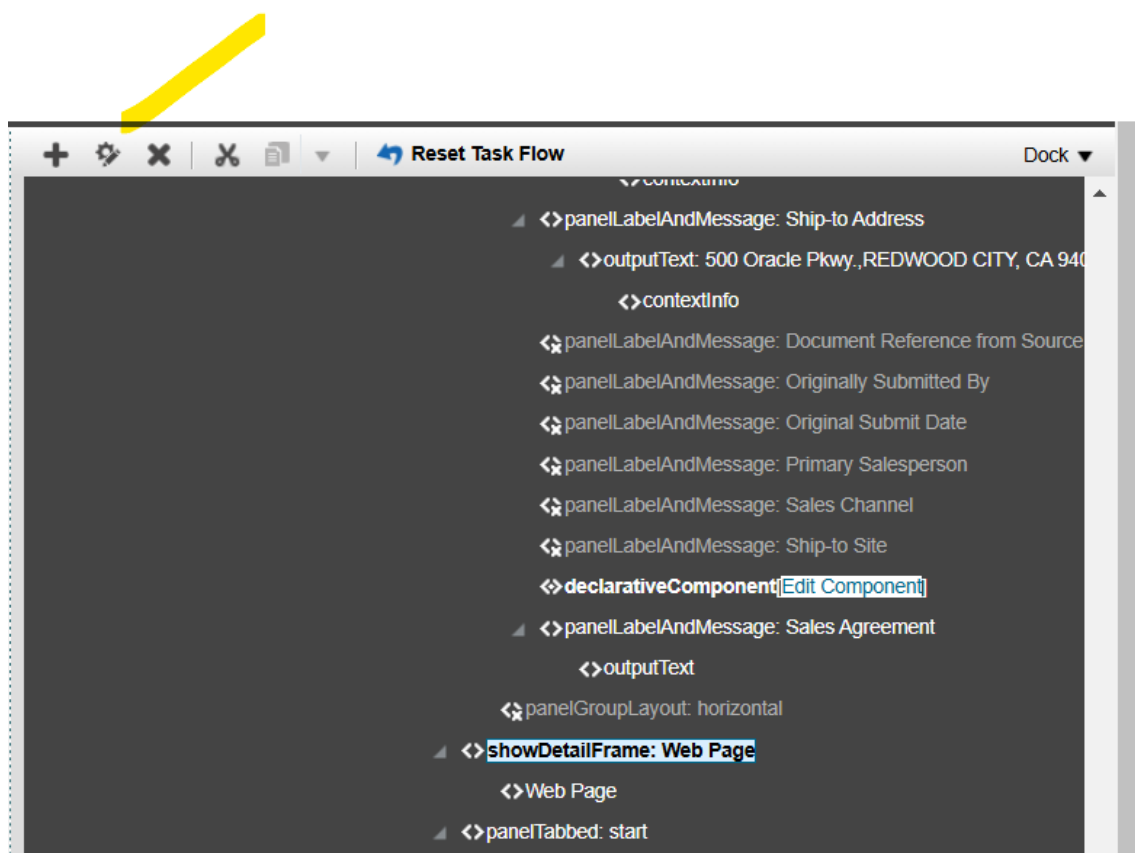




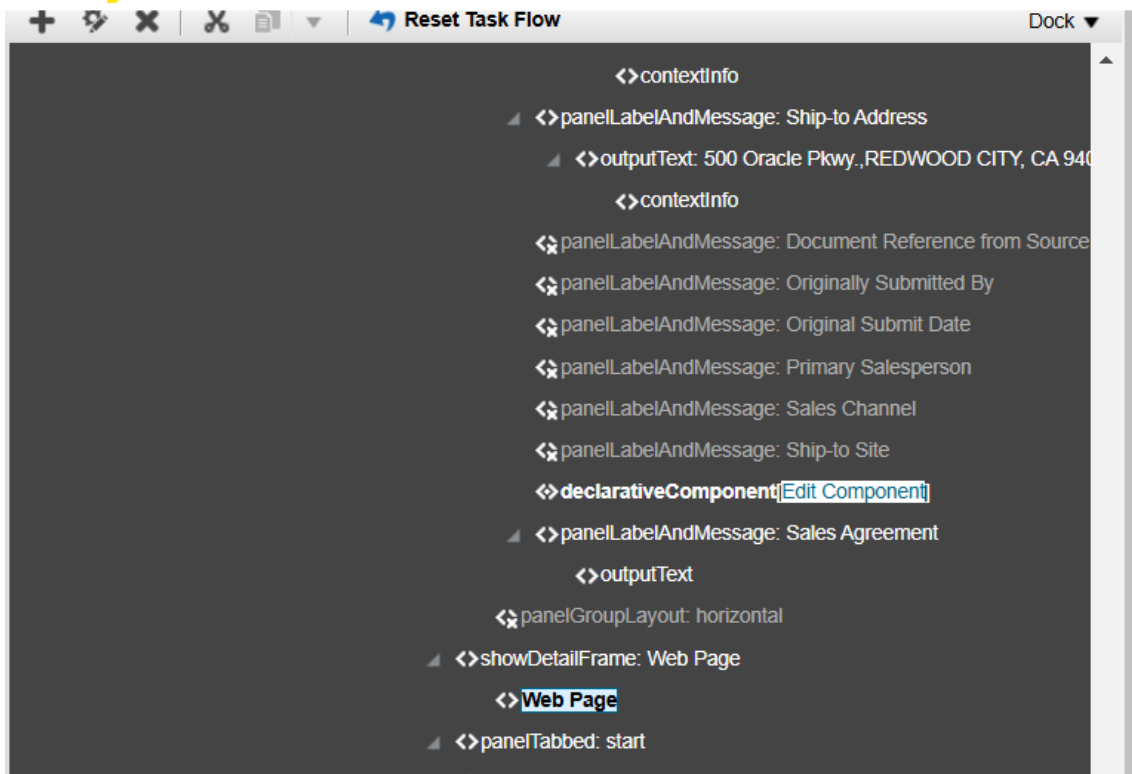
You can use the tools above to cut a paste into the new component as desired (as the operation is a bit tricky this option could help).



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



And for Web Page.



Component Properties: Web Page

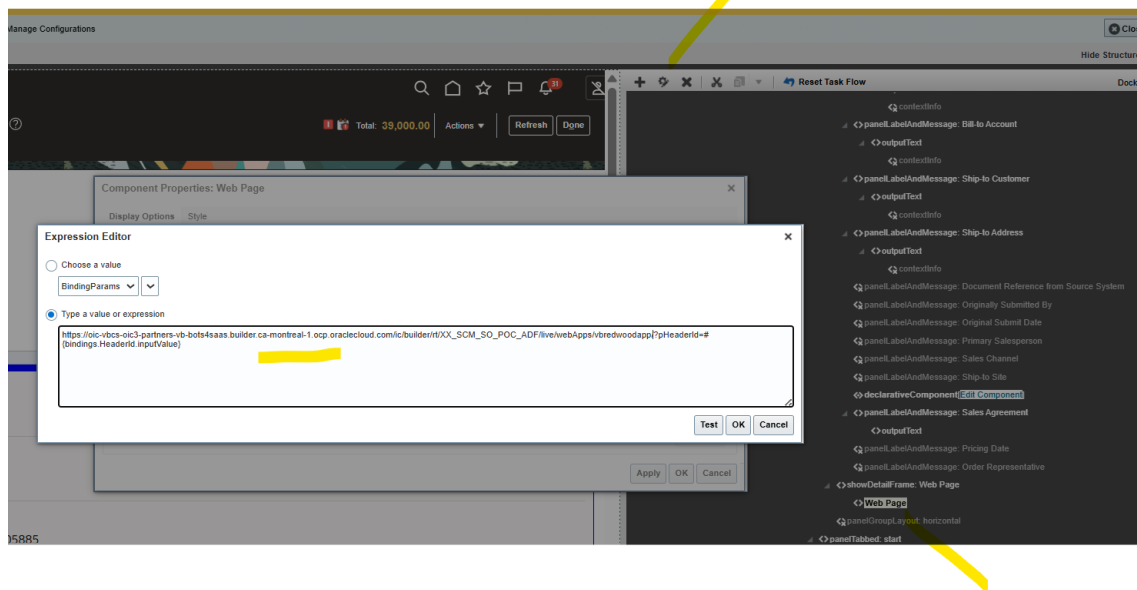
The screenshot shows the 'Component Properties: Web Page' dialog box with the 'Display Options' tab selected. The fields are as follows:

- Name: [Text Field]
- Partial Triggers: [Text Field]
- Short Desc: [Text Field]
- Source: <https://fa-esll-saasfademo1.ds-fa.oraclepdemos.com/fscmUI/rec>
- Visible: ☒ Visible
- Show Component: ☒ Show Component

A yellow arrow points to the 'Source' field.

Buttons: Apply, OK, Cancel, Reset All

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

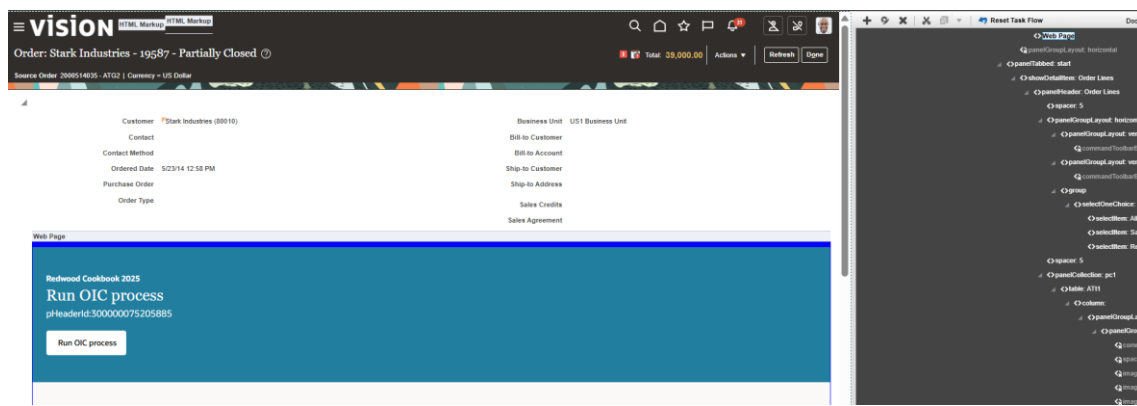


<https://oic-vbcs-oic3-xxx-vb-xxx.builder.ca-montreal-1.ocp.oraclecloud.com/ic/builder/rt/XX SCM SO POC ADF/live/webApps/vbredwoodapp/?pHeaderId=#{bindings.HeaderId.inputValue}>

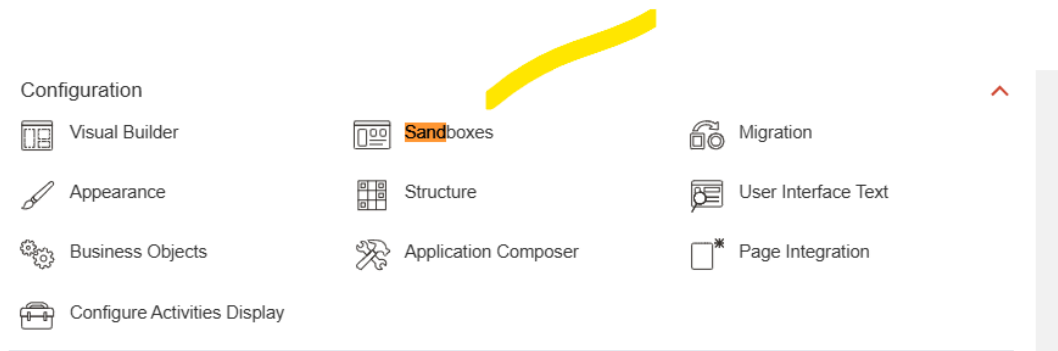
Notice: **/?**, it is important.

And this is the way to send parameter from data in the ADF-Page:
pHeaderId=#{bindings.HeaderId.inputValue}

Now you can already see the VB page.



After publishing Sandbox (plenty of blogs to tell you how to do this), all SaaS users would see the change, if no restrictions applied (see reference documentation for restrictions using Expression).



Select yours.

Sandboxes ?

Available Sandboxes Published Sandboxes Deleted Sandboxes

Find All

Tools	Name
<input type="checkbox"/> Application Composer	sb_jj

And click on Publish button.

ORACLE

Sandbox Details: sb_jj ?

Current Status: Refresh Needed

Active Tools: Page Composer, Basic Information

Sandbox Changes Merge Log

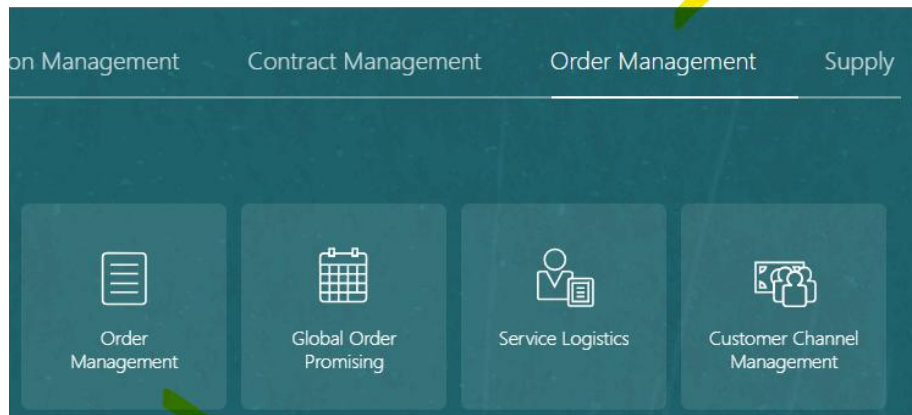
This sandbox isn't synchronized with the mainline environment. You can refresh the sandbox before making further changes. Refresh

Search Detail Download All

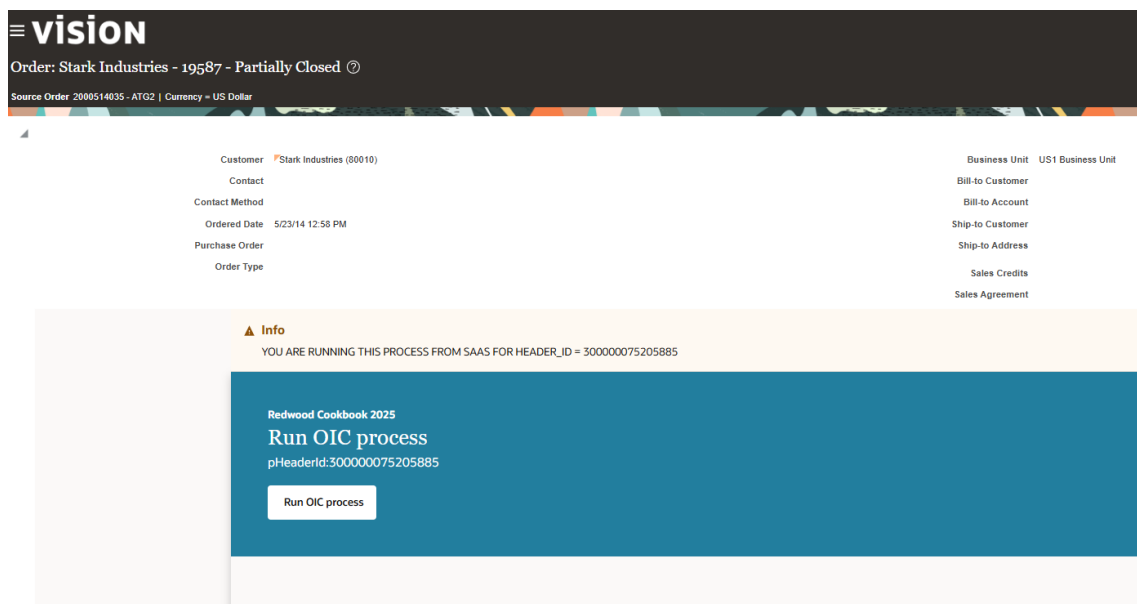
Detail	Last Updated On	Last Updated By
/oracle/apps/scm/fom/manageOrders/ui/page/ViewOrder.jsff		scm_impl

Name sb_jj

You could see the page with our changes:



After pressing the button.



This is the result of calling our OIC integration.

<

XX_DEMO_CALL_OIC_FROM_VB (1.0.0)

Configure and run

Configure request properties, then run the integration and verify the response. [Click here to read more.](#)

GET

/ic/api/integration/v1/flows/rest/XX_DEMO_CALL_OIC_FROM_VB/1.0/?pHeaderId=300000069268731

Request

URI parameters

Headers

Body

cURL

Integration properties

☒

pHeaderId

300000069268731

Response

Status: 200 OK

Instance ID: cMnC23NkEFCFX1GKFdubGg

Body

Headers

1

2

3

{

"message" : "YOU ARE RUNNING THIS PROCESS FROM SAAS FOR HEADER_ID = 300000069268731"

}

Conclusion.

We have covered the requirements in SaaS ADF classic Sales Order page.

Run OIC process from classic-ADF SaaS page using a button.

Technical.

Code example	Comments
XX_SCM_SO_POC_ADF-1.0.1.zip	OIC-Visual Builder application used in demo.
XX_DEMO_CALL_OIC_FROM_VB_01.00.0000.iar	Integration used for demo purposes