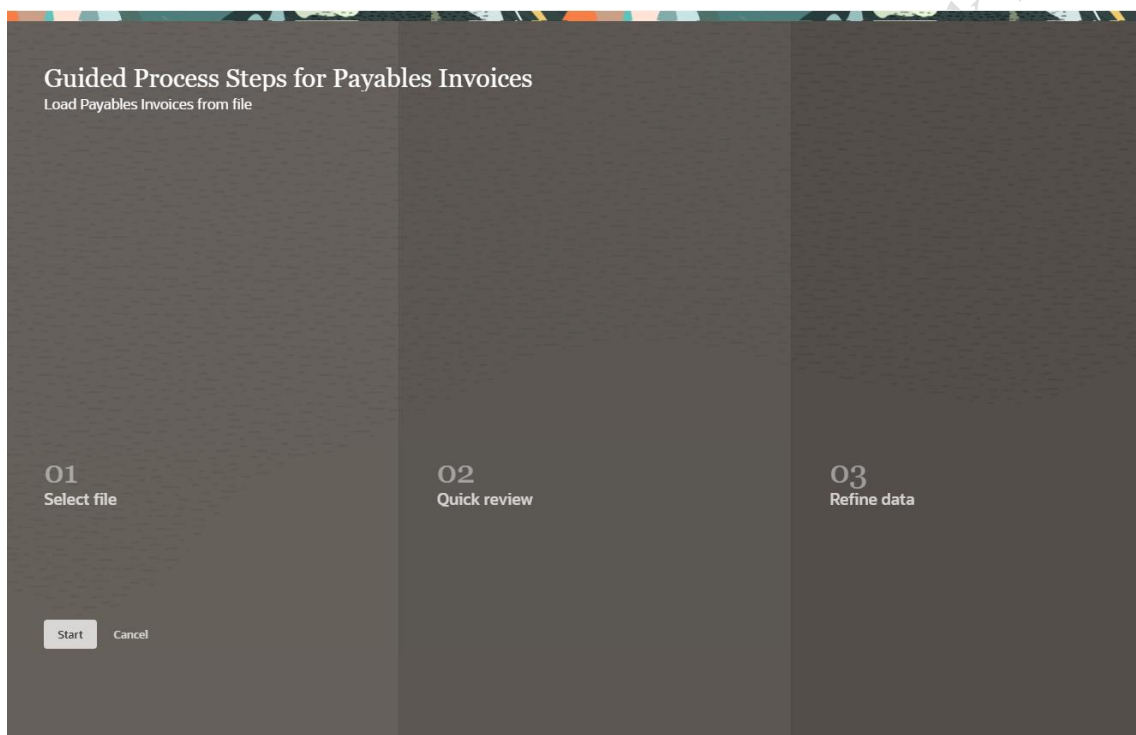


Visual Builder->OIC->SaaS. Create invoice from file with REST. (21).

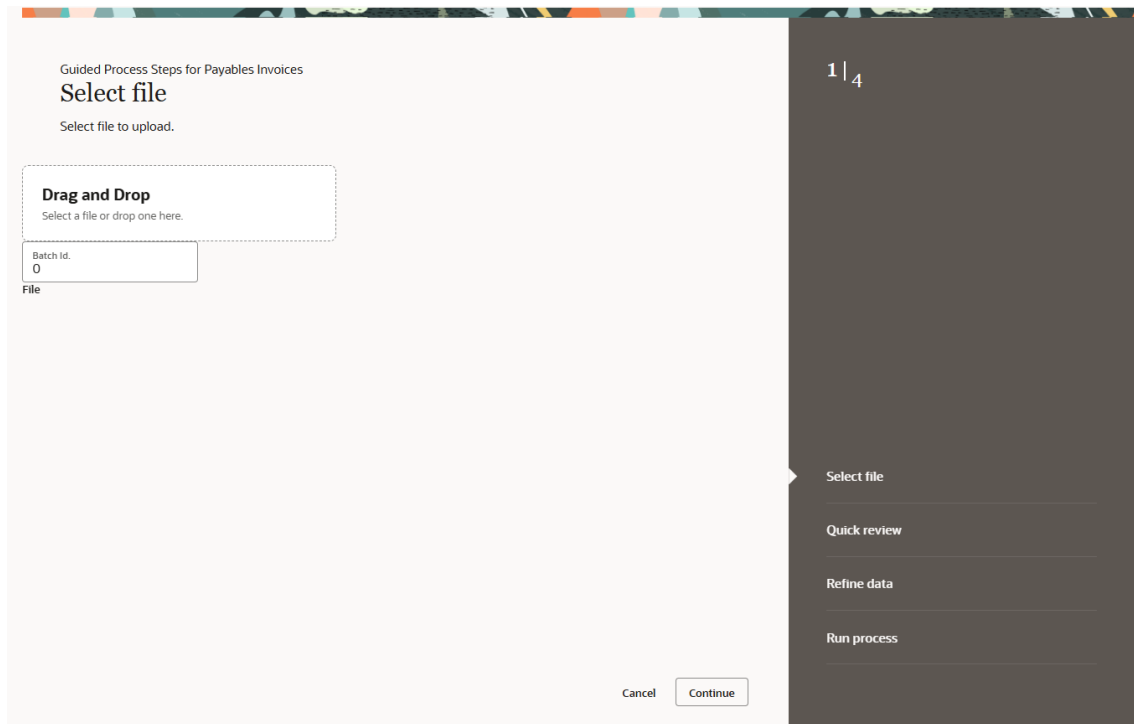
Summary

The application is a Redwood Guided Process with 4 steps to load Payables invoices from a CSV file selected in Visual Builder page using OIC.

This page opens the Guided Process.



In this page the user selects the file:



The rest of the steps are shown at the end of the chapter (not shown here to not repeat).

At the end of the process Payables invoices are created in SaaS using the standard REST API included in OIC Integration.

Summary of features.

- Visual Builder side:
 - Load of files from csv file.
 - Run OIC integration.

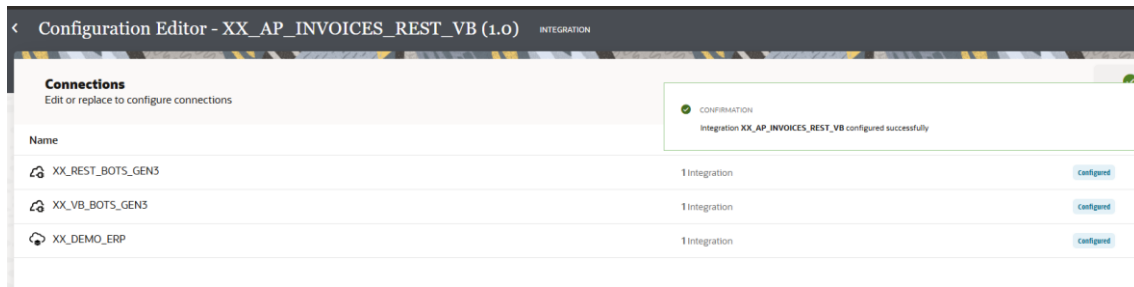
For this specific feature, we used this blog and additional help from forums:

<https://satishkumar.hashnode.dev/how-to-parse-csv-data-in-oracle-visual-builder-using-js-library>

- Oracle Integration side:
 - Creation of payables invoice using SaaS/Fusion Applications REST API.
 - Update Visual Builder Business Objects from Oracle Integration to log success/error after calling REST API to create payables invoice.
 - Other data in case of success is also recorded.

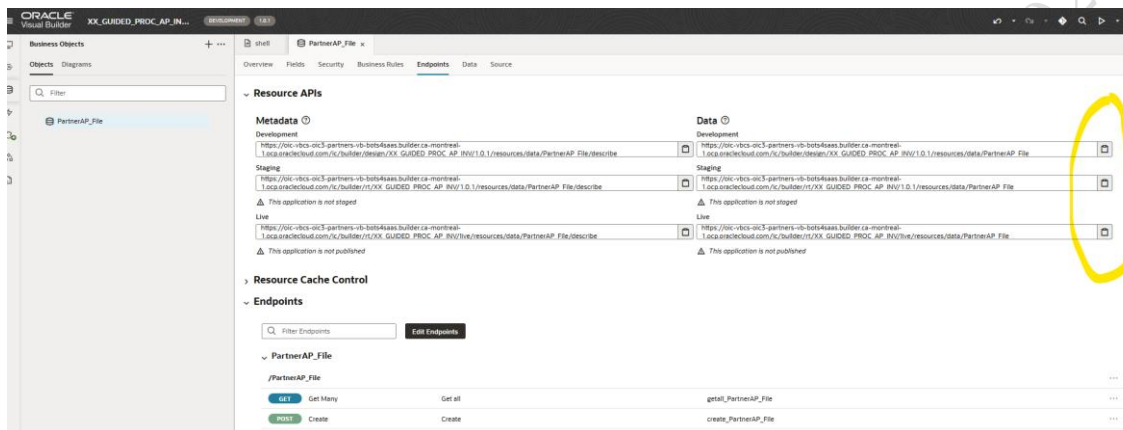
Oracle Integration side.

- General view of OIC connections.



1. Connection to access Business Objects in Visual Builder.

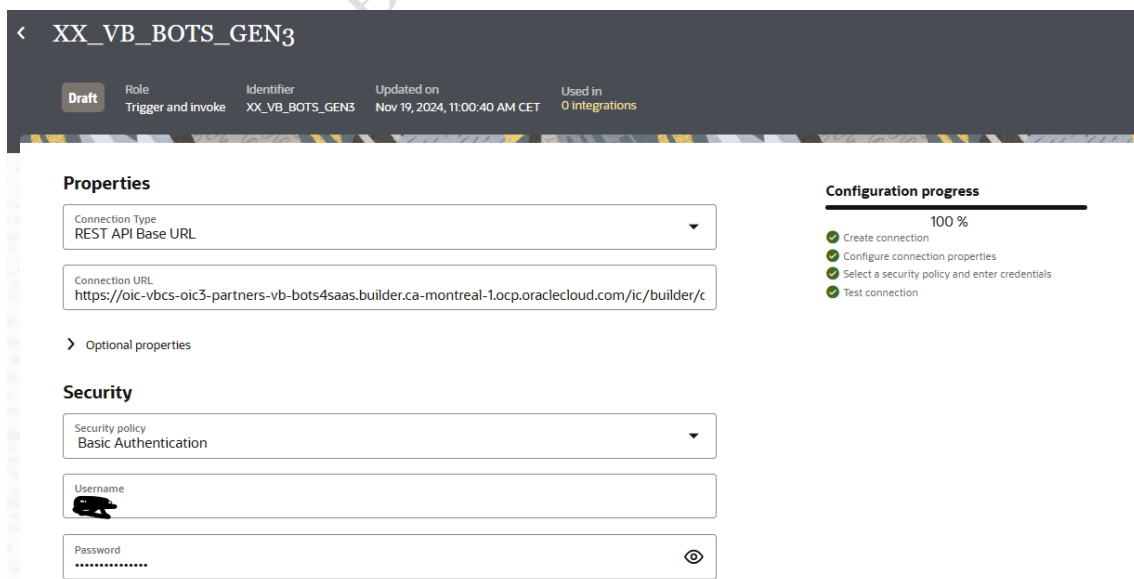
Get the URL's here on the Visual Builder side.



On the right you have the URL's corresponding to the 3 stages (design, stage and publish).

For learning purposes, we will use "design" stage:

<https://oic-xxxx-xxxx-redwood-demo-1.ocp.oraclecloud.com/ic/builder/design/XX GUIDED PROC AP INV/1.0.3/resources>



Notice that versions (1.0, 1.0.1, 1.0.2, etc.) apply only when NOT in live mode.

`https://oic-xxx-cccc-redwood_demo-1.ocp.oraclecloud.com/ic/builder/design/XX_GUIDED_PROC_AP_INV/1.0.3/resources`

XX_VB_BOTS_GEN3

Configured	Role	Identifier	Updated on	Used in
	Trigger and invoke	XX_VB_BOTS_GEN3	Nov 23, 2024, 10:38:16 AM CET	3 integrations

Properties

Connection Type: REST API Base URL

Connection URL: `https://oic-xxx-cccc-redwood_demo-1.ocp.oraclecloud.com/ic/builder/design/XX_GUIDED_PROC_AP_INV/1.0.3/resources`

2. Connection REST “internal” to call from Visual Builder.

XX_REST_BOTS_GEN3

Draft	Role	Identifier	Updated on	Used in
	Trigger and invoke	XX_REST_BOTS_GEN3	Nov 19, 2024, 11:14:29 AM CET	0 integrations

Properties

Connection Type: REST API Base URL

Connection URL: `https://oic3-xxxx-cccc-yu.integration.ca-montreal-1.ocp.oraclecloud.com`

> Optional properties

Security

Security policy: Basic Authentication

Username: `oic3-xxxx-cccc-yu.integration.ca-montreal-1.ocp.oraclecloud.com`

Password: `oic3-xxxx-cccc-yu.integration.ca-montreal-1.ocp.oraclecloud.com`

Configuration progress

100 %

- ✓ Create connection
- ✓ Configure connection properties
- ✓ Select a security policy and enter credentials
- ✓ Test connection

`https://oic3-xxxx-cccc-yu.integration.ca-montreal-1.ocp.oraclecloud.com`

3. Connection to SaaS/Fusion Applications.

XX_DEMO_ERP				
Draft	Role	Identifier	Updated on	Used in
	Trigger and invoke	XX_DEMO_ERP	Nov 19, 2024, 11:18:16 AM CET	0 integrations

ERP Cloud Host
https://[REDACTED].fa.oraclepdemos.com/

Security policy

Username Password Token

Username

FIN_IMPL

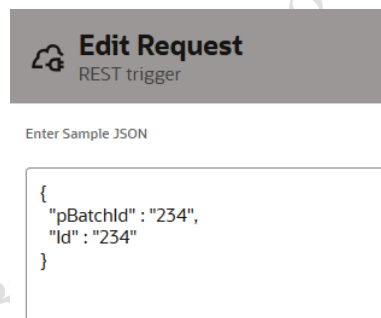
Password

- ☒ **Public gateway**
Connect to endpoints using the internet.
- ☐ **Private endpoint**

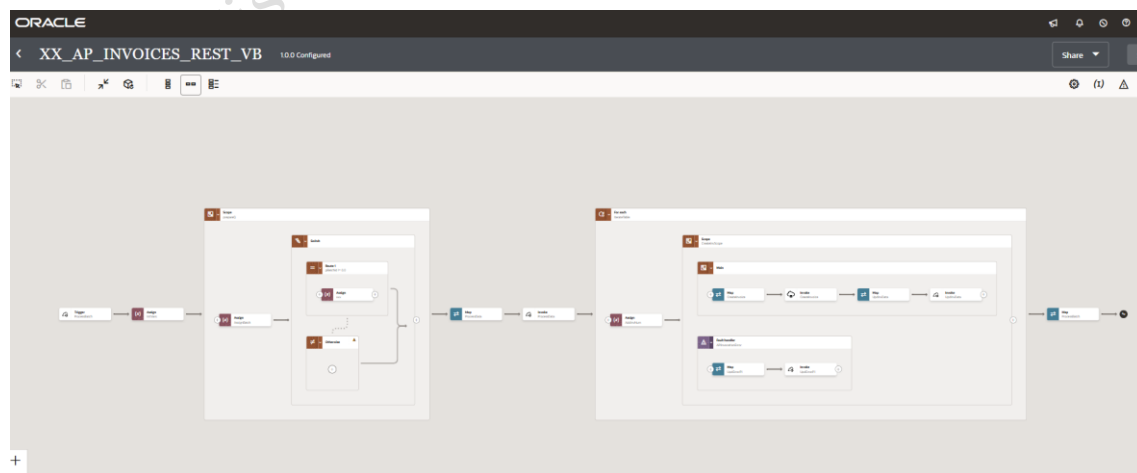
<https://zzzz.ds-fa.oraclepdemos.com/>

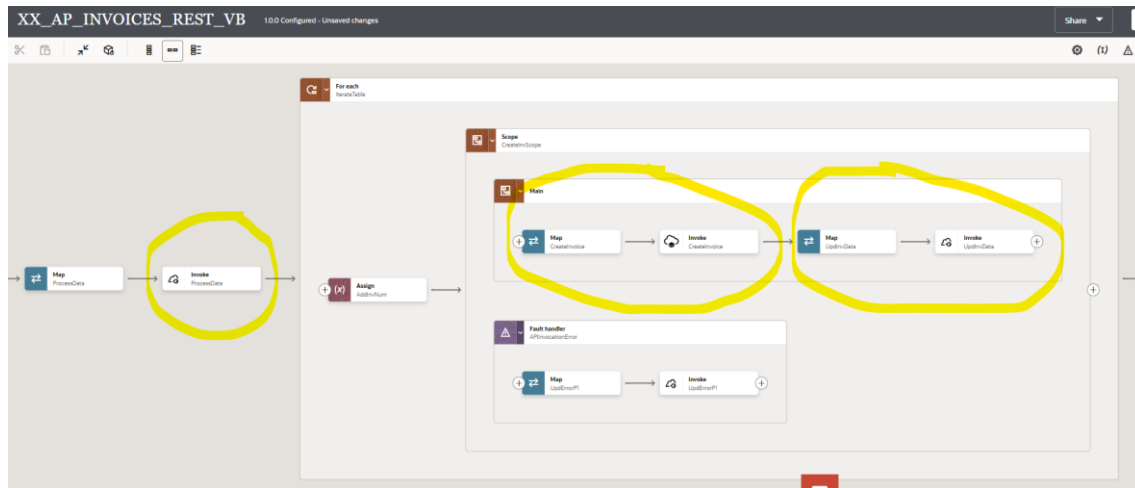
- General overview of the integration.

Inbound parameters:



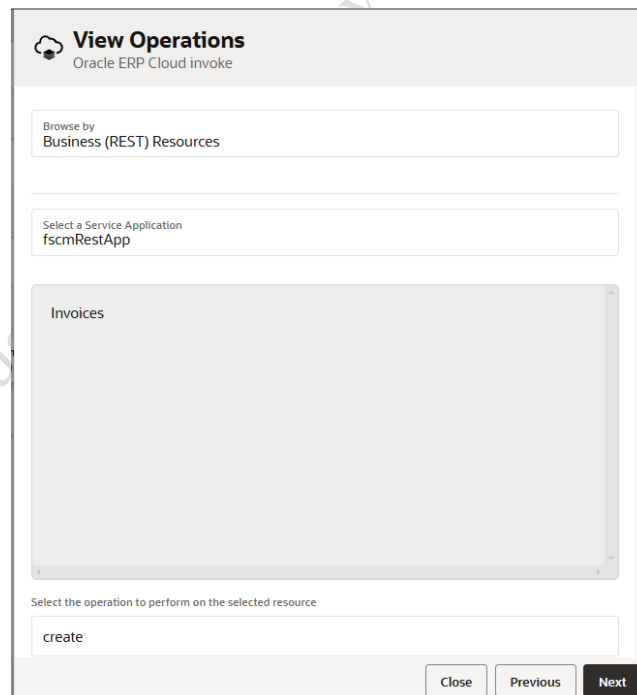
General overview of the integration.





Actions:

- On the left (ProcessData invoke) we read the Visual Builder Business Object (similar to table) with the invoices to load filtering by “batch_id” received as parameter.
- In the loop “IterateTable”, in the middle of above screenshot we see the call (CreateInvoice invoke) the REST for payables invoices to create.



- On the right of above screenshot (UpdateInvData invoke), we update the Visual Builder Business Object with success status and additional information.

View Basic Info

REST invoke

What do you want to call your endpoint?
UpdInvData

What does this endpoint do?

What is the endpoint's relative resource URI?
/data/PartnerAP_File/{id}

What action do you want to perform on the endpoint?
PATCH

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

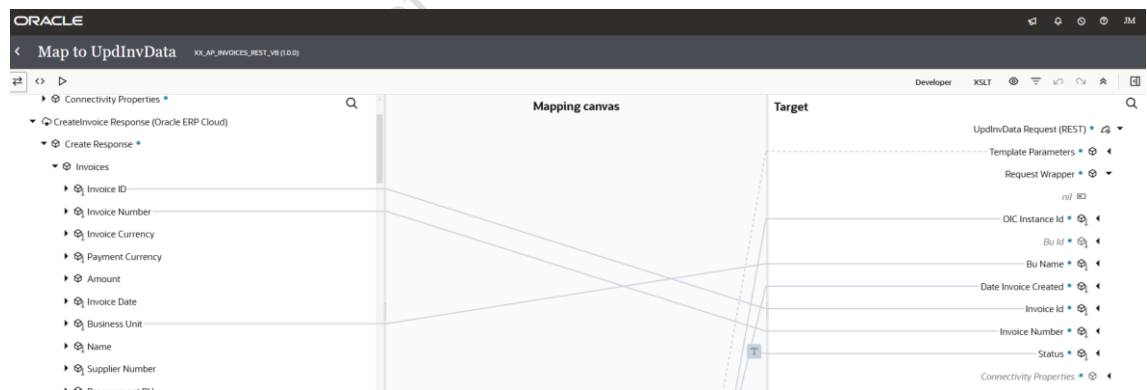
Configure Request Headers?

☐ Standard

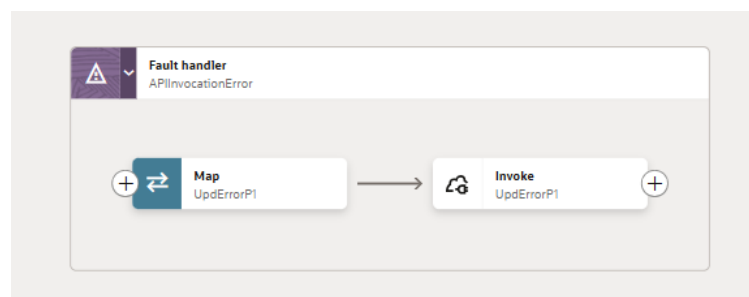
☐ Custom


Close Next

Mapping to create each invoice:



- In case of error, we update Business Object as shown:





View Basic Info

REST invoke

What do you want to call your endpoint?

UpdErrorP1

What does this endpoint do?

What is the endpoint's relative resource URI?

/data/PartnerAP_File/{id}

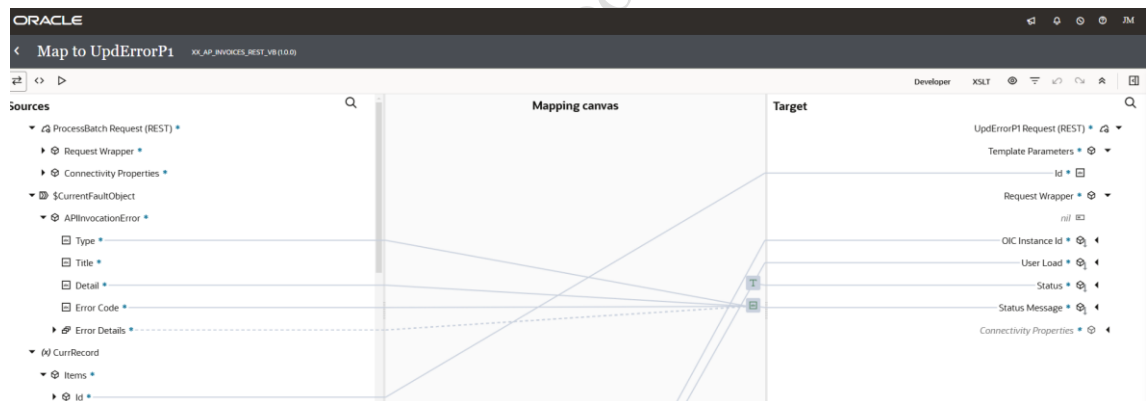
What action do you want to perform on the endpoint?

PATCH

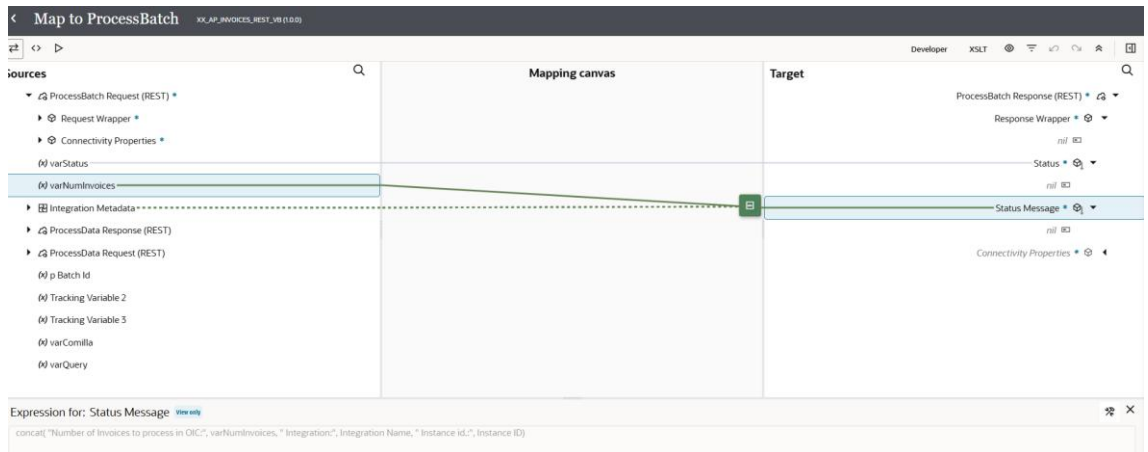
Based on your selections, you can add parameters or configure a request and/or response for this endpoint.
Select any options that you want to configure:

- ☒ Add and review parameters for this endpoint
- ☒ Configure a request payload for this endpoint
- ☒ Configure this endpoint to receive the response

Example of mapping to update Business Object:



- The process will be synchronous, at the end of the integration we return the status and more data.
- Remember this is a POC, we are assuming that we will not have thousands of records in the file but a few.



Basic testing for Oracle Integration side.

For this “Batch Id” in Visual Builder Business Object.

Query										
batchId	build	buName	comissionType	dateInvoiceAttachment	dateInvoiceCreated	dateInvoiceFtp	dateInvoiceMailed	distributionSet	fileName	id
2024_11_19_17_23_31									PARTNER OTHER PartnerAP_01_2025_1_in_demo.csv	267

XX_AP_INVOICES_REST_VB (1.0.0)
Run

Configure and run
Endpoint metadata
Track instances

POST
/ic/api/integration/v1/flows/rest/XX_AP_INVOIC_REST_VB/1.0/data/PartnerAP_File

Request
URI parameters
Headers
Body
cURL
Integration properties

Text
File

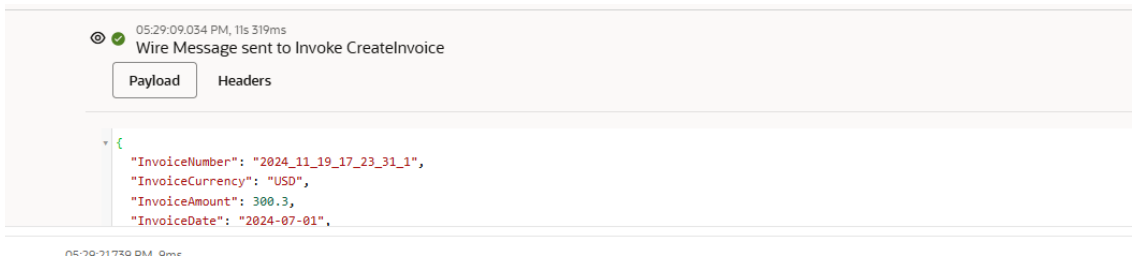
1 {
2 "pBatchId": "2024_11_19_17_23_31",
3 "Id": "267"
4 }

Response
Status: 200 OK
Instance ID: ZfahcKaTEe-j87HjfPAikQ

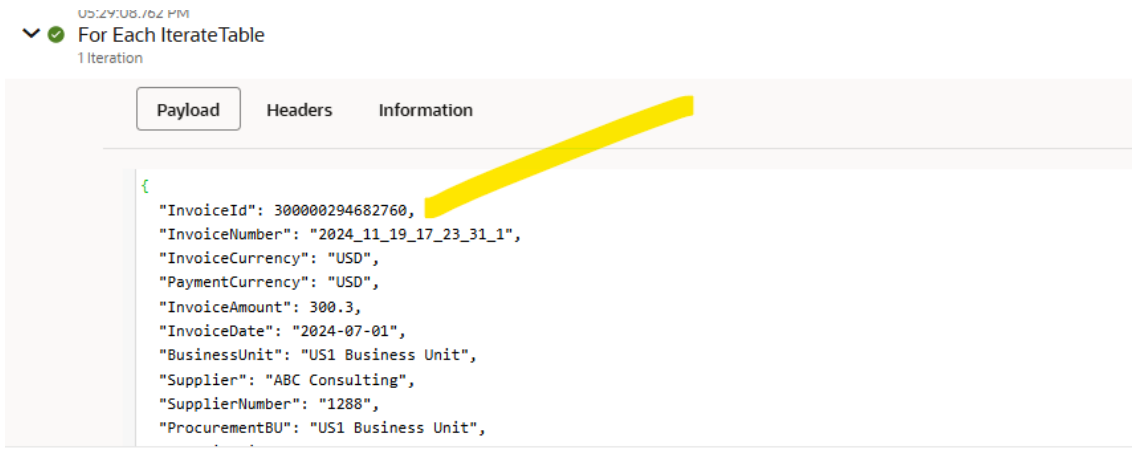
Body
Headers

1 {
2 "Status": "Running",
3 "StatusMessage": "Number of Invoices to process in OIC:1 Integration:XX_AP_INVOICES_REST_VB Instance id.:ZfahcKaTEe-j87HjfPAikQ"
4 }

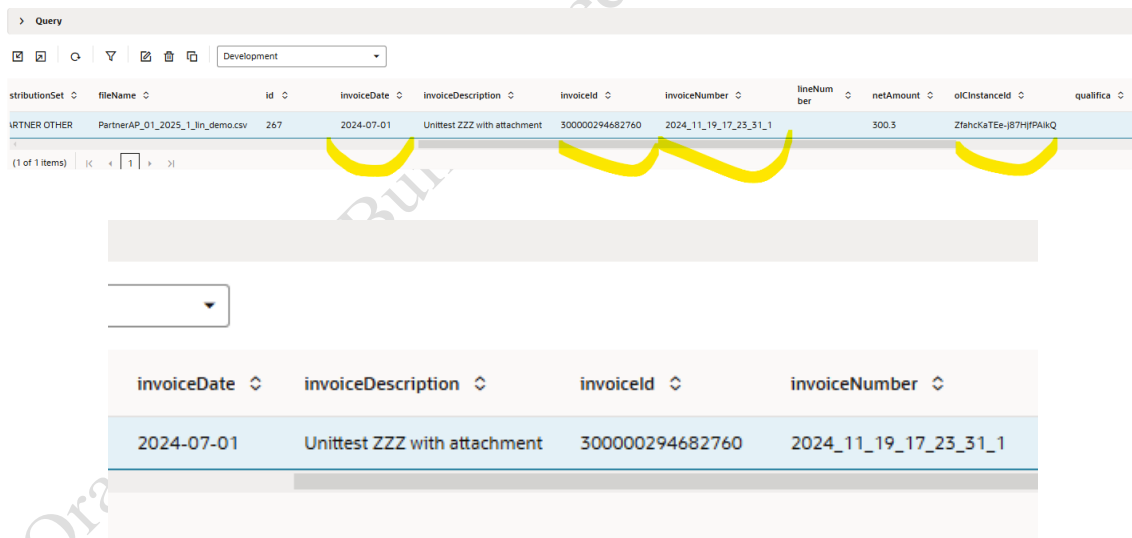
Internal request from OIC debug for creating the Invoice with REST.



Response (from debug OIC) after creating the invoice with REST API.



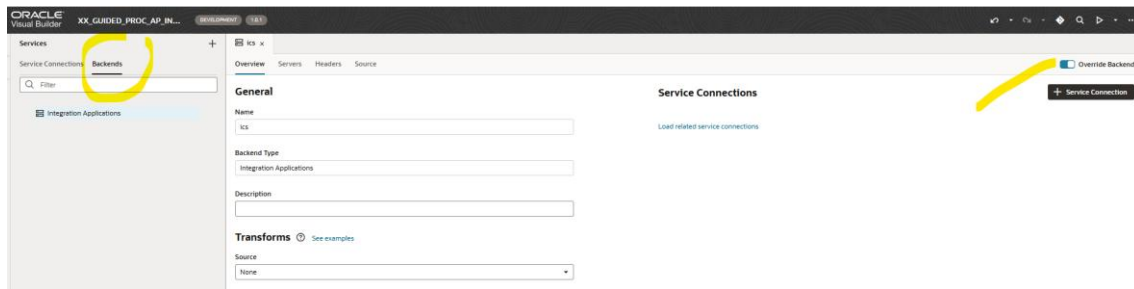
Notice the fields updated in Business Object in Visual Builder:



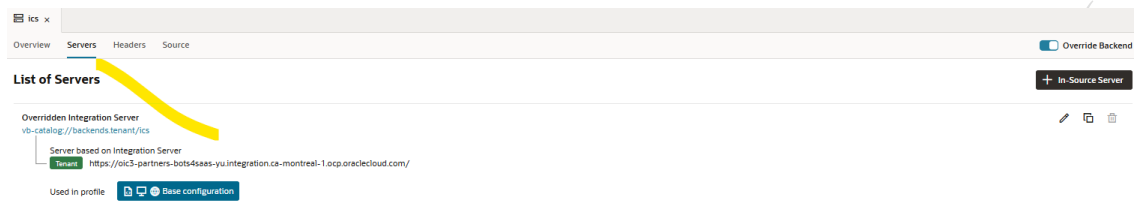
Visual Builder side.

- Connections.

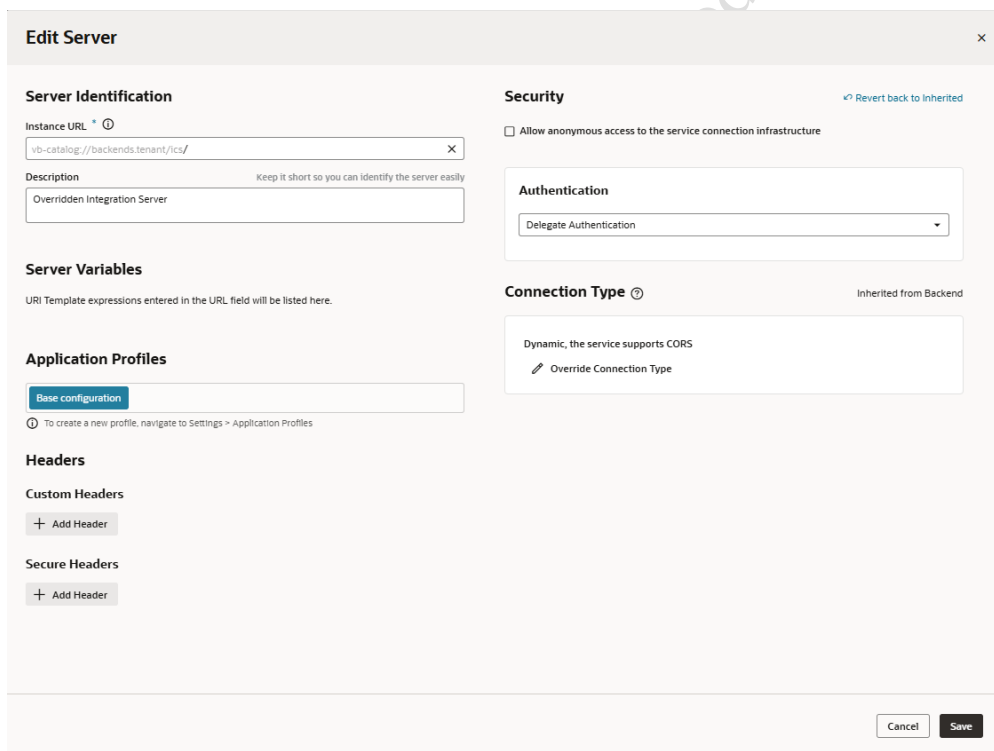
Select "Backends" as shown.



Click “Override” as shown above, then navigate to Tab “Servers”.



Edit Server and select “Delegate Authentication”.



After that step we can create connection to OIC directly from backend:

conn_demo x ics

Overview Servers Headers Source Override Backend

General

Name
ics

Backend Type
Integration Applications

Description

Transforms [See examples](#)

Source
None

Service Connections

+ Service Connection

Load related service connections

After clicking the button. Assign a name and select your Endpoint.

Create Service Connection

Service Name *
conn_demo

https://[redacted].integration.ca-montreal-1.ocp.oraclecloud.com/ic/api/integration/v1/integrations Delegate Authentication

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

Filter Objects/Endpoints Select All 1 of 2 endpoints (3 objects) selected

- ☐ UPDATE_PO_LINE_DFF|01.00.0000
- ☐ VB_INTEGRATIO_01|01.00.0000
- ☐ VB_INTEGRATIO_06|01.00.0000
- ☐ X_INTEGRATION|01.00.0000
- ☒ XX_AP_INVOIC_REST_VB|01.00.0000 1 of 1 endpoints (1 of 1 child objects) selected
 - ☒ /XX_AP_INVOIC_REST_VB/1.0/data/PartnerAP_File 1 of 1 endpoints selected

☒ **POST** Create postXX_AP_INVOIC_REST_VB1_0DataPartnerAP_File

We can now test the call to Oracle Integration REST API from Visual Builder.

Services + conn_demo x ics

Service Connections Backends

Search: co

conn_demo

Overview Servers Endpoints Headers Source

Filter Endpoints + Endpoint +

Default Package

XX_AP_INVOIC_REST_VB|01.00.0000

/XX_AP_INVOIC_REST_VB/1.0/data/PartnerAP_File

☒ **POST** Create postXX_AP_INVOIC_REST_VB1_0DataPartnerAP_File

Example payload.

21 sample 1.txt

```
{
  "pBatchId": "2024_11_19_17_23_31",
  "Id": "267"
}
```

A quick test from Visual Builder side.

conn_demo x | ics

Overview Servers Endpoints Headers Source

Endpoints > Operation: postXX_AP_INVOIC_REST_VB1_0DataPartnerAP_File Overview Request Response Test

Application Profile Base configuration

Request

Path Parameters Query Parameters Headers Server Variables Body

Payload ☒ Text ☐ Form-Data ☐ Binary

```
{
  "pBatchId": "2024_11_19_17_23_31",
  "id": "227"
}
```

URL Preview https://oic3-partners-bots4saas-yu.integration.ca-montreal-1.ocp.oraclecloud.com/ic/api/integration/v1/flows/rest/XX_AP_INVOIC_REST_VB/1.0/data/PartnerAP_File

Send Request Status: 200

Response

Body Headers

```
{
  "Status": "Running",
  "StatusMessage": "Number of Invoices to process in OIC:1 Integration:XX_AP_INVOICES_REST_VB Instance id:WyNF66aZEe-j87HjIPaIkQ"
}
```

- Business objects definition:

PartnerAP_File. Fields.

shell | PartnerAP_File x

Overview Fields Security Business Rules Endpoints Data Source

Filter

Type	Name	Display Label	Required	Description
A	batchid	Batchid	<input type="checkbox"/>	
A	buld	Buld	<input type="checkbox"/>	
A	buName	BuName	<input type="checkbox"/>	
A	comissionType	ComissionType	<input type="checkbox"/>	
A	createdBy	Created By	<input type="checkbox"/>	
A	creationDate	Created	<input type="checkbox"/>	
A	dateInvoiceAttachment	DateInvoiceAttachment	<input type="checkbox"/>	
A	dateInvoiceCreated	DateInvoiceCreated	<input type="checkbox"/>	
A	dateInvoiceFtp	DateInvoiceFtp	<input type="checkbox"/>	
A	dateInvoiceMailed	DateInvoiceMailed	<input type="checkbox"/>	
A	distributionSet	Distribution Set	<input checked="" type="checkbox"/>	
A	fileName	FileName	<input type="checkbox"/>	
#	id	Id	<input checked="" type="checkbox"/>	
A	invoiceDate	Invoice_Date	<input checked="" type="checkbox"/>	
A	invoiceDescription	Invoice Description	<input checked="" type="checkbox"/>	
A	invoiceId	InvoiceId	<input type="checkbox"/>	

+ Field

A	invoiceId	InvoiceId	<input type="checkbox"/>
A	invoiceNumber	InvoiceNumber	<input type="checkbox"/>
📅	lastUpdateDate	Last Updated	<input type="checkbox"/>
A	lastUpdatedBy	Last Updated By	<input type="checkbox"/>
A	lineNumber	LineNumber	<input type="checkbox"/>
#	netAmount	Net Amount	<input checked="" type="checkbox"/>
A	oicInstancelId	OIC_InstanceId	<input type="checkbox"/>
A	qualifica	qualifica	<input type="checkbox"/>
A	status	Status	<input type="checkbox"/>
A	statusMessage	StatusMessage	<input type="checkbox"/>
A	userLoad	UserLoad	<input type="checkbox"/>
A	vendorAddressCode	Vendor_Address_Code	<input checked="" type="checkbox"/>
A	vendorName	Vendor_Name	<input checked="" type="checkbox"/>
A	vendorNumber	Vendor Number	<input checked="" type="checkbox"/>
#	versionNumber	Version Number	<input type="checkbox"/>

- The Business Object used has no relations with other Business Objects.

Main points to consider

This chapter will not describe step by step, as it would take many pages, but the main features and where to investigate deeper in the code.

The complete code will be provided.

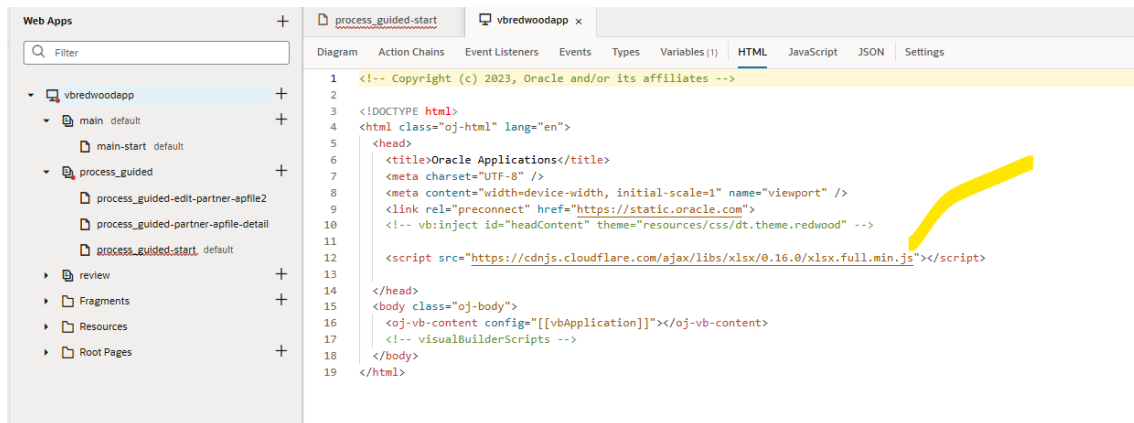
- 1) JavaScript library to include in Json in root node. Used to manage csv import.

```

1 {
2
3   "id": "starter",
4   "description": "Starter VB app",
5   "defaultPage": "shell",
6   "routerStrategy": "path",
7   "chains": {},
8   "configuration": {
9     "profile": "DT"
10  },
11  "requirejs": {
12    "paths": {
13      "oj-fa-bigjs": "https://static.oracle.com/cdn/spectra-ui/3rdParty/2404.0.0/big.js-6.2.1/",
14      "oj-oacp": "https://static.oracle.com/cdn/oars/packs/oj-oacp/2410.0.2/min",
15      "oj-oars": "https://static.oracle.com/cdn/oars/packs/oj-oars/2410.0.2/min",
16      "oj-sp": "https://static.oracle.com/cdn/spectra-ui/oj-sp/2410.0.3/",
17      "oj-dynamic": "https://static.oracle.com/cdn/jet/packs/oj-dynamic/16.1.6/min/",
18      "papa": "https://unpkg.com/papaparse@5.3.2/papaparse.min"
19    },
20  },
21  "bundles": {
22    "oj-dynamic/common-bundle": [
23      "oj-dynamic/providers/AdfBCExtension",
24      "oj-dynamic/providers/ComponentLayoutProvider",
25      "oj-dynamic/providers/ContainerLayoutProvider",
26      "oj-dynamic/providers/ContainerMetadataProviderFactory",
27      "oj-dynamic/providers/DefaultFetchable",
28      "oj-dynamic/providers/DynamicDataProvider",
29      "oj-dynamic/providers/DynamicLayoutMetadataProvider",
30      "oj-dynamic/providers/DynamicLayoutMetadataProviderFactory",
31      "oj-dynamic/providers/DynamicLayoutProvider",
32      "oj-dynamic/providers/Explodable",
33      "oj-dynamic/providers/Extension",
34      "oj-dynamic/providers/Fetchable",

```

- 2) JavaScript library to include in html in root node. Used to manage csv import.



3) JavaScript code in this page (also provided):



Code:

21 sample 2.txt

```
/**
 * Copyright (c)2020, 2021, Oracle and/or its affiliates.
 * Licensed under The Universal Permissive License (UPL), Version 1.0
 * as shown at https://oss.oracle.com/licenses/upl/
 */

define(['knockout', 'ojs/ojkeyset', 'papa'], function (ko, keySet, Papa) {
    "use strict";

    var PageModule = function PageModule() {
        this.selectedItems = ko.observable({
            row: new keySet.KeySetImpl(),
            column: new keySet.KeySetImpl()
        });
    };

    PageModule.prototype.processFilePapa = function (fileSet) {

        return new Promise(function(resolve, reject) {
            Papa.parse(fileSet, {
                complete: function(results) {
                    console.log(results.data);
                    resolve(results.data);
                },
                header: true
            });
        });
    };
});
```

```

    });
  });

  });

  PageModule.prototype.processFile = function (fileSet) {

    //var reader = new FileReader();

    return new Promise(function (resolve, reject) {
      let fileReader = new FileReader();
      fileReader.readAsBinaryString(fileSet);
      fileReader.onload = (event) => {
        let data = event.target.result;
        let workbook = XLSX.read(data, { type: "binary", cellText:false, cellDates:true
});
        workbook.SheetNames.forEach(sheet => {
          if (sheet === 'Sheet1') {
            //let rowObject = XLSX.utils.sheet_to_json(workbook.Sheets[sheet]);
            let rowObject =
XLSX.utils.sheet_to_json(workbook.Sheets[sheet], {header:0,raw:false,dateNF: 'yyyy/mm/dd' }
);
            //let rowObject =
XLSX.utils.sheet_to_json(workbook.Sheets[sheet], {header:0,raw:false,dateNF: 'yyyy-mm-
dd'});
            console.log(rowObject);
            resolve(rowObject);
          }
        });
      });
    });

  });

  PageModule.prototype.createColumnsArray = function (jsonArr) {
    var x = [];

    for (var key of Object.keys(jsonArr[0])) {
      // aqui se puede meter condicional para la fecha
      console.log("HI:"+key);
      x.push({ "headerText": key, "field": key });
    }
    return x;
  };

  PageModule.prototype.stringToArray = function (x_string) {
    return x_string.split(",");
  };

  PageModule.prototype.reload = function (force) {
    window.location.reload(force);
  };

  PageModule.prototype.getBatchId = function () {

    var today = new Date();

    var mo = (today.getMonth()+1);
    if (mo < 10) {
      mo = '0' + mo;
    }

    var da = today.getDate() ;
    if (da < 10) {
      da = '0' + da;
    }

    var hh = today.getHours() ;
    if (hh < 10) {
      hh = '0' + hh;
    }

    var mi = today.getMinutes() ;
    if (mi < 10) {
      mi = '0' + mi;
    }
  }

```



```

var ss = today.getSeconds() ;
if (ss < 10) {
    ss = '0' + ss;
}

var date = today.getFullYear()+'_'+'mo+'_'+'da;
var time = hh+'_'+'mi+'_'+'ss;

console.log(date+time);

return (date+'_'+'time);

};

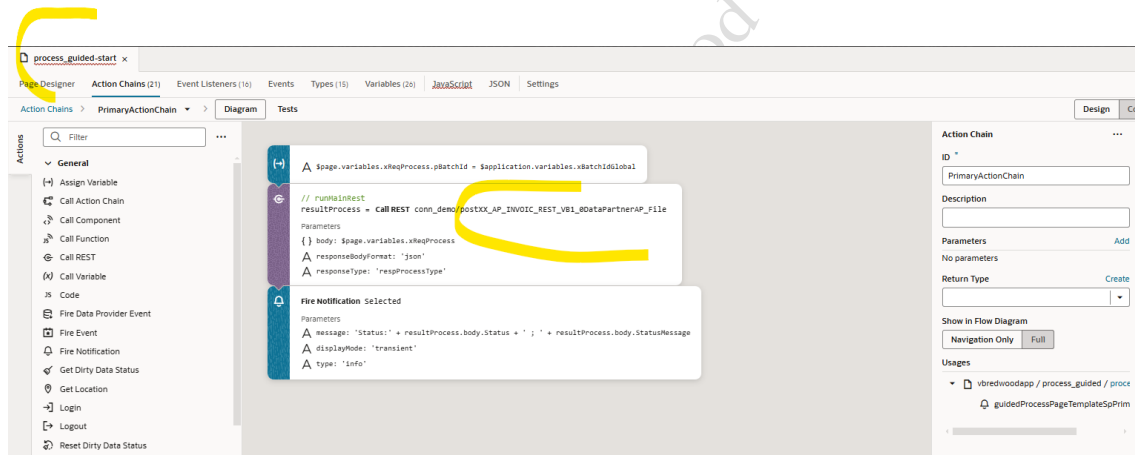
PageModule.prototype.log = function (arg1, arg2) {
    console.log("XXXXXX:", arg1);
};

return PageModule;
});

```

4) Call Oracle Integration REST.

This in Action Chain:



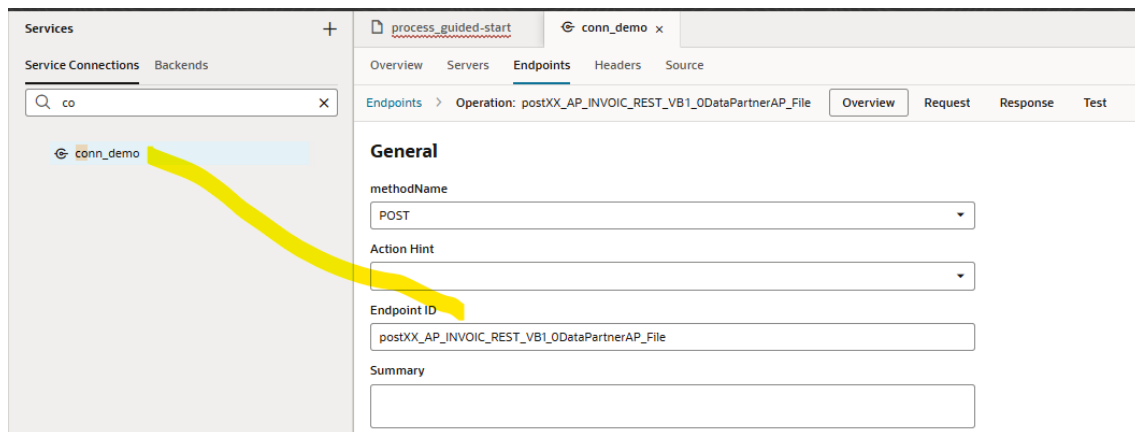
See code:

```

...
$page.variables.xReqProcess.pBatchId = $application.variables.xBatchIdGlobal;
...
//runMainRest
const resultProcess = await Actions.callRest(context, {
    endpoint: 'conn_demo/postXX_AP_INVOIC_REST_VB1_0DataPartnerAP_File',
    responseBodyFormat: 'json',
    responseType: 'respProcessType',
    body: $page.variables.xReqProcess,
}, {id: 'runMainRest'});

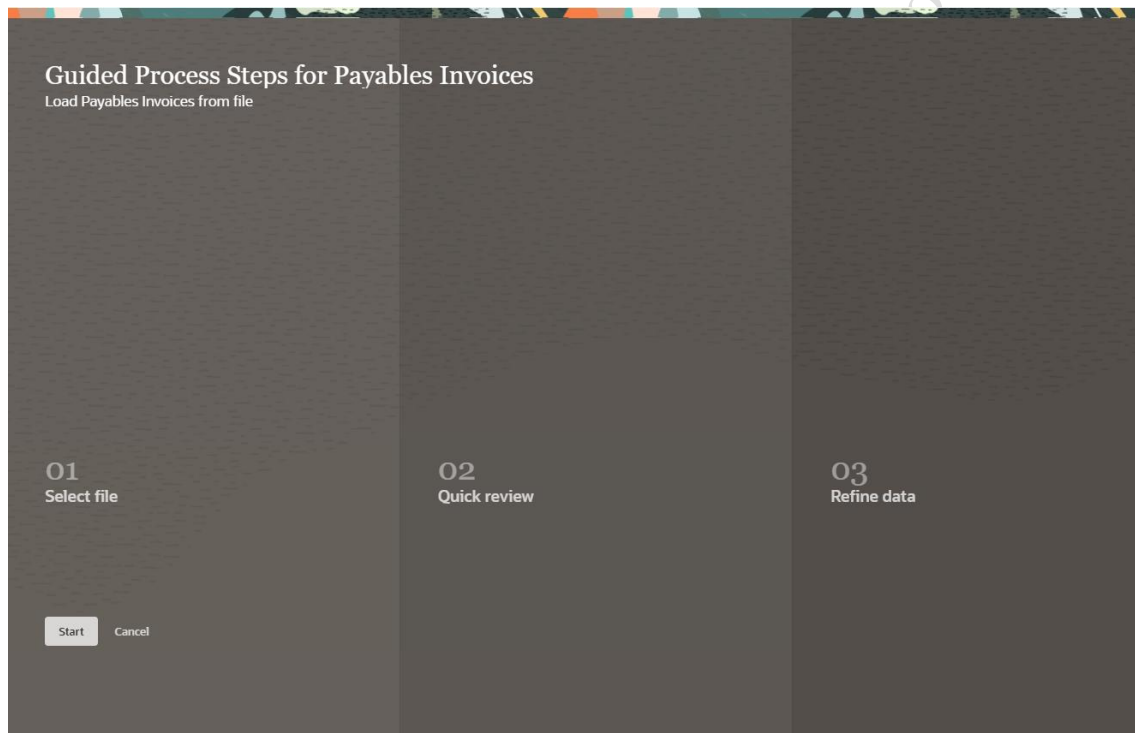
```

must match here:



Detailed test

Preview the page:



Select and load the file:

21 PartnerAP 01 2025 1 lin demo.csv

```
Vendor_Name, Vendor Number, Vendor_Address_Code, Invoice_Date, Distribution Set, Net
Amount, qualifica, Invoice Description
ABC Consulting, 1288, ABC US1, 2024-07-01, PARTNER OTHER, 300.30, MONOMANDATARIO, Unittest ZZZ
with Appendix
```

Select file.

Guided Process Steps for Payables Invoices

Select file

Select file to upload.

Drag and Drop

Select a file or drop one here.

Batch Id.

0

File

Cancel

Continue

1 | 4

Select file

Quick review

Refine data

Run process

Press the button “Continue”, in this step we will generate a “Batch_id” to use in the rest of the process.

Guided Process Steps for Payables Invoices

Quick review

Quick review of data from file. Press Load data and Continue or Cancel

Batch Id.: 2024_11_23_10_00_11

Load data from file

Vendor_Name	Vendor Number	Vendor_Address_Code	Invoice_Date	Distribution Set	Net Amount
ABC Consulting	1288	ABC US1	2024-07-01	PARTNER OTHER	300.30

Cancel

Continue

2 | 4

Select file

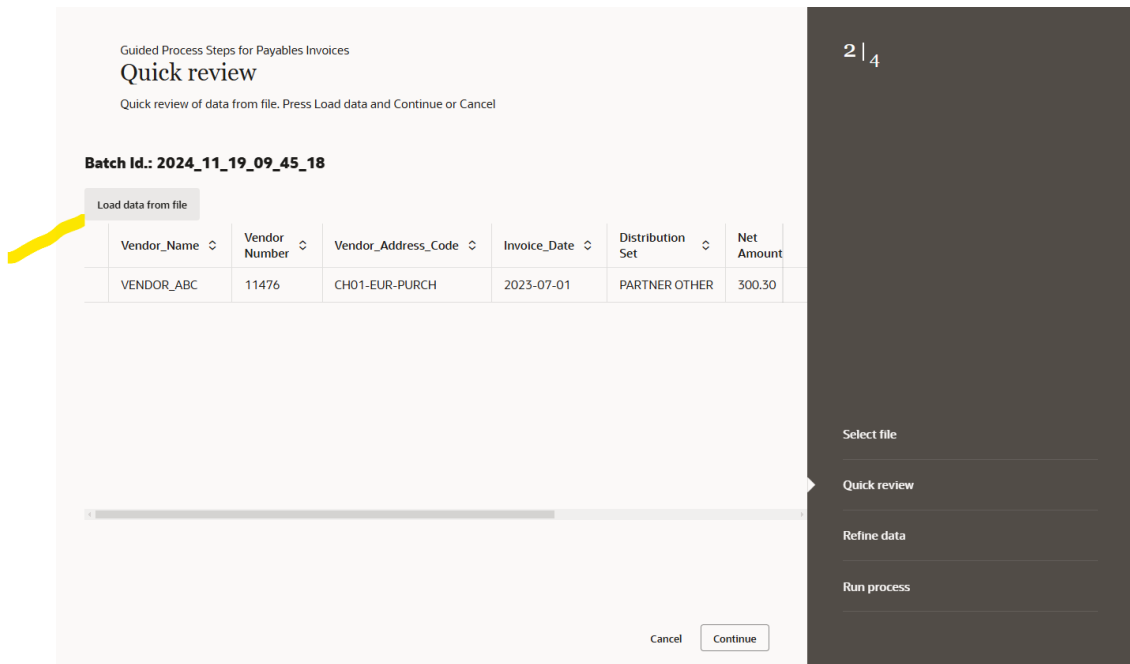
Quick review

Refine data

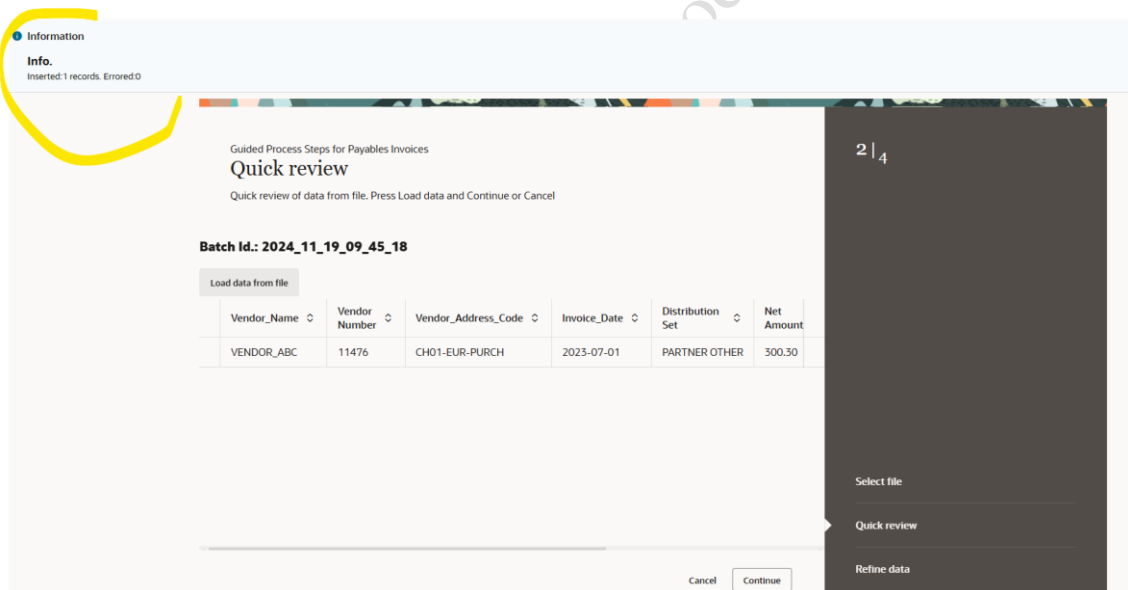
Run process

Click “Load data from file” button.

Note: this will store the data of the file in the internal Business Object.



Now we see the message above in the screen.



Now clicking the button as shown, we can make modifications to the data loaded if we consider it is not correct.

Guided Process Steps for Payables Invoices

Refine data

Update the data if needed, before loading, or cancel and load another file.

Batch Id.: 2024_11_19_09_45_18

Edit Partner AP_File

Vendor_Name	Vendor Number	Vendor_Address_Code	Distribution Set	Invoice_Date	Net Amount
VENDOR_ABC	11476	CH01-EUR-PURCH	PARTNER OTHER	2023-07-01	300.3

Cancel
Continue

3 | 4

Select file
Quick review
Refine data
Run process

Edit Data if needed.

Edit Partner AP_File

Distribution Set
PARTNER OTHER

Invoice Date
2023-07-01

Invoice Description
Unittest AGEFORF with attachment

Net Amount
300.3

Vendor_Address_Code
CH01-EUR-PURCH

Vendor_Name
VENDOR_ABC

Vendor Number
11476

FileName
PartnerAP_01_2023_1_lin_demo.csv

BatchId
2024_11_19_09_45_18

Cancel
Save

And click “Run Process” button.

Guided Process Steps for Payables Invoices

Run process

Process will generate a batch load data in table/s, create invoices, attach files and mail pdf according to setup.

Batch Id.: 2024_11_19_09_45_18

Refresh data

Reprocess record

PartnerAP_File Detail

File Name	Vendor Name	Vendor Number	Invoice Date	Net Amount	Status	Date Inv.
PartnerAP_0...	VENDOR_ABC	11476	2023-07-01	300.3	NEW	

Cancel

Run Process

4 | 4

Select file

Quick review

Refine data

Run process

At this point the OIC integration will be run, and the REST API to create payables invoice will be run.

When the integration finishes the result success/error will be updated in the internal Visual Builder Business Object that has stored the data of the file.

More data apart from success/error will be stored, as shown in screenshot

Guided Process Steps for Payables Invoices

Run process

Process will generate a batch load data in table/s, create invoices, attach files and mail pdf according to setup.

Batch Id.: 2024_11_19_09_45_18

Refresh data

Reprocess record

PartnerAP_File Detail

File Name	Net Amount	Status	Date Inv. Created	Invoice Number	Date Inv. Attached	Date Mail Sent
PartnerAP_0...	300.3	NEW				

Cancel

Run Process

4 | 4

Select file

Quick review

Refine data

Run process

Information

Selected

Status:Running ; Number of Invoices to process in OIC:1 Integration:XC_AP_INVOICES_REST_VB Instance Id:r6_oWaaAEe-3UWbLd2dxw

Guided Process Steps for Payables Invoices

Run process

Process will generate a batch load data in table/s, create invoices, attach files and mail pdf according to setup.

Batch Id.: 2024_11_19_18_20_52

Refresh data

Reprocess record

PartnerAP_File Detail

File Name	Vendor Name	Vendor Number	Invoice Date	Net Amount	Status	Date Inv.
PartnerAP_0...	ABC Consulting	1288	2024-07-01	300.3	NEW	

Cancel

Run Process

4 | 4

Select file

Quick review

Refine data

Run process

Let's review the details of the record.

Guided Process Steps for Payables Invoices

Run process

Process will generate a batch load data in table/s, create invoices, attach files and mail pdf according to setup.

Batch Id.: 2024_11_19_18_20_52

Refresh data

Reprocess record

PartnerAP_File Detail

File Name	Net Amount	Status	Date Inv. Created	Invoice Number	Date Inv. Attached	Date Mail Sent
PartnerAP_0...	300.3	P1-OK	2024-11-19T17:21:...	2024_11...		

Cancel

Run Process

Notice the id of the invoice generated:

Parent page

Detail record

BatchId	2024_11_19_18_20_52	Buld	
BuName	US1 Business Unit	ComissionType	
Created By	juanje	Created	11/19/24, 6:21 PM
DateInvoiceAttachmen	t	DateInvoiceCreated	2024-11-19T17:21:20.001+00:00
DateInvoiceFtp		DateInvoiceMailed	
Distribution Set	PARTNER OTHER	FileName	PartnerAP_01_2025_1_lin_demo.csv
Id	268	Invoice_Date	2024-07-01
Invoice Description	Unittest ZZZ with attachment	InvoiceId	300000294682764
InvoiceNumber	2024_11_19_18_20_52_1	Last Updated	11/19/24, 6:21 PM
Last Updated By		LineNumber	
Net Amount	300.3	OIC_InstanceId	r6_oWaaaEe-IrUwBld2dxw
qualifica		Status	P1-OK
UserLoad		Vendor_Address_Code	ABC US1
Vendor_Name	ABC Consulting	Vendor Number	1288
StatusMessage			

And also, we can see the invoice in SaaS/Fusion Applications.

Manage Invoices

Search Results: 2024_11_19_18_20_52_1

Invoice Details

Invoice Date	7/1/24	Invoice Amount	300.30 USD	Business Unit	US1 Business Unit
Invoice Type	Standard	Applied Prepayments	0.00 USD	Payment Business Unit	US1 Business Unit
Supplier or Party	ABC Consulting	Unpaid Amount	300.30 USD	Payment Terms	Immediate
Supplier Site	ABC US1	Holds	1	Payment Currency	USD
Address	1100 ABERNATHY ROAD, ATLANTA, GA 30328		Notes	None	

Not validated Actions Save Save and Close Cancel

Lines

Hold and Approvals Payments Installments Distribution Details

Items

View ▾ [Icons] Detach

Line	Amount	Description	Quantity	Price	UCM Name	Purchase Order			Receipt		Ship-to Location
						Number	Line	Schedule	Number	Line	
1	300.30	Unittest ZZZ with attachment									

There is also available a screen to review processes, as shown, press the button “Review Processes” to access:

Payables Invoices Import from file - DE

Payables Invoices Import from file - DE

Start Process Review Processes

Review processes								
Filter batch id / file name								
<input type="text"/>								
PartnerAP_File Detail Delete PartnerAP_File Back to Main Page								
BatchId	FileName	Vendor Number	vendorAddressCode	Invoice_Date	Net Amount	Status	Inv.	
2024_11_23_10_07_12	PartnerAP_01_2025_1_lin_demo.csv	1288	ABC US1	2024-07-01	300.3	NEW		
2024_11_20_09_16_00	PartnerAP_01_2025_1_lin_demo.csv	1288	ABC US1	2024-07-01	300.3	NEW		
2024_11_20_09_10_09	PartnerAP_01_2025_1_lin_demo.csv	1288	ABC US1	2024-07-01	300.3	NEW		
2024_11_19_18_20_52	PartnerAP_01_2025_1_lin_demo.csv	1288	ABC US1	2024-07-01	300.3	P1-OK	2024-11-19T1	
2024_11_19_17_23_31	PartnerAP_01_2025_1_lin_demo.csv	1288	ABC US1	2024-07-01	300.3	P1-ERROR	2024-11-19T1	

In case of error, we can now review data in the Business Object record.

Parent page	
Detail record	
BatchId	2024_11_19_17_23_31
BuName	US1 Business Unit
Created By	juanje
DateInvoiceAttachment	
DateInvoiceFtp	
Distribution Set	PARTNER OTHER
Id	267
Invoice Description	Unittest ZZZ with attachment
InvoiceNumber	2024_11_19_17_23_31_1
Last Updated By	
Net Amount	300.3
qualifica	
UserLoad	
Vendor_Name	ABC Consulting
StatusMessage	---400---<![CDATA[This invoice number already exists. You must provide a unique invoice number. (AP-810776).A 400 Bad Request Error indicates that the target service is unable (or refuses) to process th
ComissionType	
Created	11/19/24, 5:23 PM
DateInvoiceCreated	2024-11-19T16:29:09+00:00
DateInvoiceMailed	
FileName	PartnerAP_01_2025_1_lin_demo.csv
Invoice_Date	2024-07-01
InvoiceId	300000294682760
Last Updated	11/19/24, 6:11 PM
LineNumber	
OIC_InstanceId	WyNF66aZEe-j87HjfpAikQ
Status	P1-ERROR
Vendor_Address_Code	ABC US1
Vendor Number	1288

Conclusion.

We have shown the details of a complete POC that uses Visual Builder and Oracle Integration to create SaaS/Fusion Applications payables invoices from csv file and updates data in Visual Builder Business Objects.

Technical

Code example	Comments
XX_AP_INVOIC_REST_VB_01.00.0001.iar	Oracle Integration used in demo
21_GUIDED_PROC_AP_INV-1.0.3.zip	Visual Builder application used in demo
21_PartnerAP_01_2025_1_lin_demo.csv	Sample file

Code example	Comments
21_PapaParse-1.0.zip	<p>Visual Builder application for our learning.</p> <p>Based in:</p> <p>https://satishkumar.hashnode.dev/how-to-parse-csv-data-in-oracle-visual-builder-using-js-library</p> <p>https://github.com/satishkmrd/vbcs-cc/tree/main/PapaParse</p>