

## AI Agent Studio demo.

## Agent Team with Agent for tool of type “Business Object” v1.

## Payables invoices and receivables transactions.

### Introduction/Goal

Create Agents for Business Object “Agent Team”.

### Preparatory steps

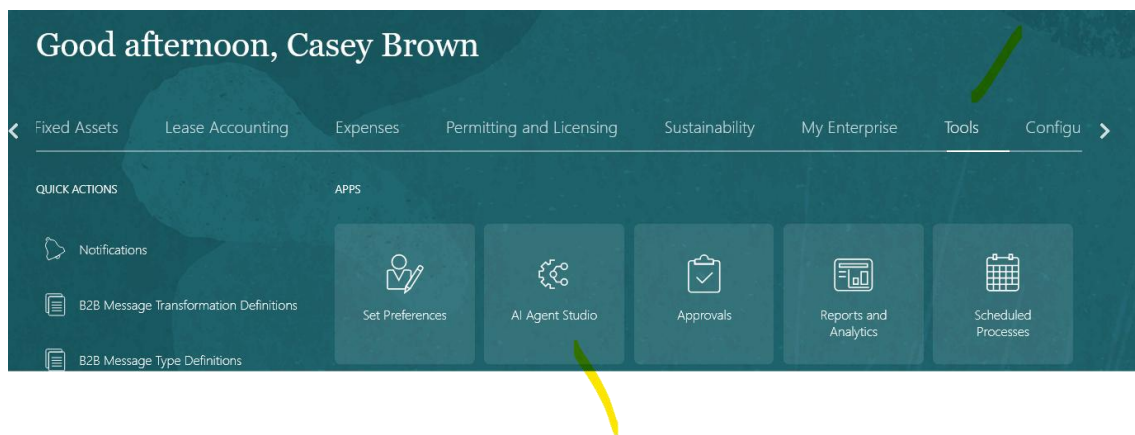
User with proper roles.

Search for the data needed.

We are going to play with the REST for Payables Invoices.

```
/fscmRestApi/resources/11.13.18.05/invoices?q=InvoiceNumber='{InvoiceNumber}'&expand=all
```

Access AI Agent Studio, from SaaS->Menu->Tools.



## Steps

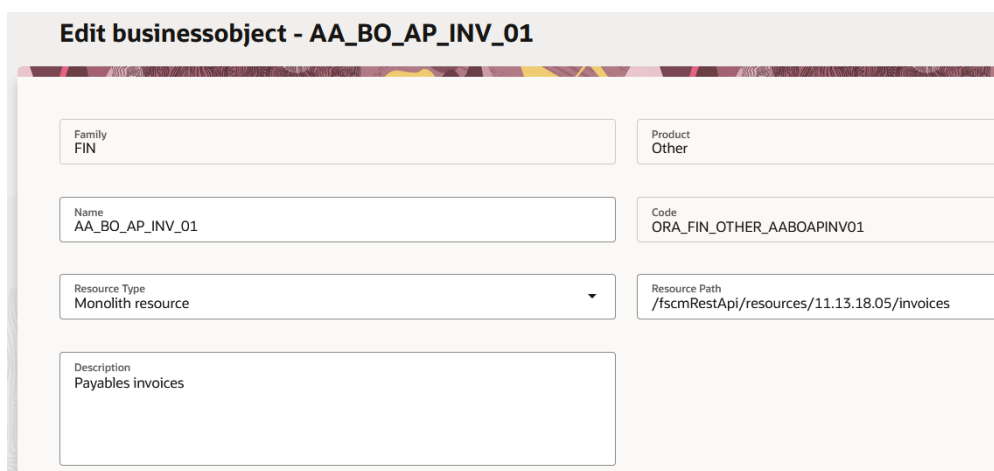
1. Create the BO.

Prepare this data before:

```
/fscmRestApi/resources/11.13.18.05/invoices?q=InvoiceNumber='{InvoiceNumber}'&expand=all
```

Name: AA\_BO\_AP\_INV\_01

Fill this data.



**Edit businessobject - AA\_BO\_AP\_INV\_01**

Family FIN	Product Other
Name AA_BO_AP_INV_01	Code ORA_FIN_OTHER_AABOAPINV01
Resource Type Monolith resource	Resource Path /fscmRestApi/resources/11.13.18.05/invoices
Description Payables invoices	

Press “Add from specification” and select GET ALL.



**Business Object Functions**

+ Add from Specification

Name	Description	Resource Path	Actions
getall_invoices	Get all	/fscmRestApi/resources/11.13.18.05/invoices?q=InvoiceNumber='{InvoiceNumber}'&expand=all	  

After editing, paste this in the field “Resource Path”:

```
/fscmRestApi/resources/11.13.18.05/invoices?q=InvoiceNumber='{InvoiceNumber}'&expand=all
```

Notice the typing.

And click “Done” button.

Now you will see.

Resource Type  
Monolith resource




Resource Path  
/fscmRestApi/resources/11.13.18.05/invoices

Description  
Payables invoices

Business Object Functions

+

Add from Specification




Name	Description	Resource Path	Actions
getall_invoices	Get all	/fscmRestApi/resources/11.13.18.05/invoices?q=InvoiceNumber={InvoiceNumber}'&expand=all	  


Now click Edit button.

Business Object Functions

+

Add from Specification

Name	Description	Resource Path	Actions
getall_purchaseOrders	Get all purchase orders	/fscmRestApi/resources/11.13.18.05/purchaseOrders?q=OrderNumber={OrderNumber}&onlyData=true&expand=all	  





“Add parameter”

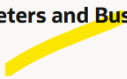
Parameters and Business Object Fields

Add Parameter

Add Field

Add Field from Specification

Name	Data Type	Description	Is Parameter	Actions
InvoiceNumber	string	Invoice Number	true	 



Type parameter name exactly as used above.

Edit parameter/field

Name

InvoiceNumber

Data Type

String

Description

Invoice Number

And Example Usage.

Example Usages

+ Add

Description	Sample Payload	Actions
Invoice Number	{"InvoiceNumber":"Duplicate-1289324"}	<div><div></div><div></div></div>

Enter example en JSON format.

```
{
  "InvoiceNumber" : "22"
}
```

Now click “Create” button.

Here we are.

Business object

AP\_INV

×

Search by business object name, code, or description

Family

Product

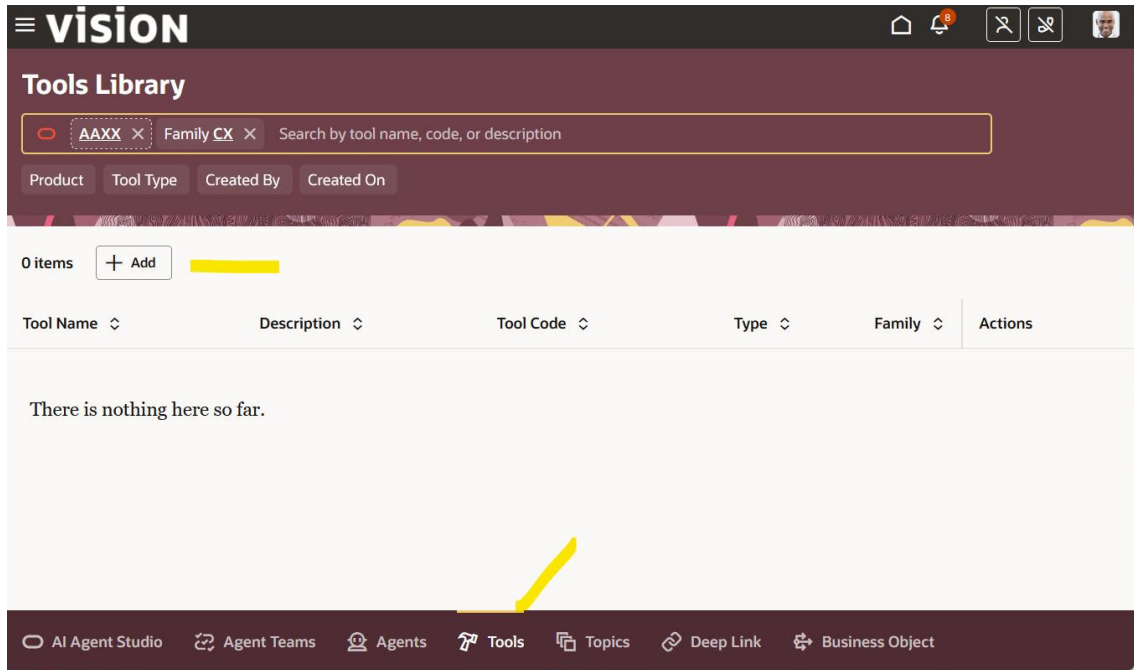
+ Add

Name	Description	Seeded	Family	Product	Actions
AA_BO_AP_INV_01	Payables invoices	No	FIN	Other	<div><div></div><div></div><div></div></div>

Our BO for Payables invoices is ready for use in AI Tool.

## 2. Create the Tool.

Navigate to proper tab, as shown.



Name: **AA\_DEMO\_TOOL\_AP\_INV.**

Description: Payables Invoice.

The screenshot shows the 'AA\_DEMO\_TOOL\_AP\_INV' tool creation form. At the top right are 'Cancel' and 'Create' buttons. The form fields include: 'Tool Type' (dropdown menu set to 'Business Object'), 'Tool Name' (text field with 'AA\_DEMO\_TOOL\_AP\_INV'), 'Tool Code' (text field with 'AADEMOTOOLAPINV'), 'Family' (text field), 'Product' (text field), and 'Description' (text area with 'Payables Invoice'). Below these fields is a toggle for 'Require human approval' (currently off) with a note: 'Enable if you want human approval before running the tool.' At the bottom, there's a 'Business object' section with the text 'Add a business object to see the corresponding functions.' and a '+ Add' button (highlighted with a yellow arrow).

Search using filter.

### Add a business object

AP\_INV

×

Search by business object name ...

Family

Product

1 item

Name	Family	Product	Description
AA_BO_AP_INV_01	FIN	Other	Payables invoices

Select (clicking on the selected record) and Add button.

### Add a business object

AP\_INV

×

Search by business object name or description

Family

Product

1 item

Name	Family	Product	Description
AA_BO_AP_INV_01	FIN	Other	Payables invoices

Cancel

Add

Click on Create.

3. Create the Agent Team and the Agent.

Navigate to tab "Agent Teams".

# vision

## Agent Teams

Search by agent team name, code, or description

Family Product Created By

57 Items + Add

Agent Team Name	Description	Agent Team Code	Family	Product	Status	V	Actions
Permit Inspection Assistant DSGV	Permit Inspection Assistant to retrieve inspections, inspection comments, inspection checklists, inspection checklist items and instructions.	PERMIT_INSPECTION_ASSISTANT_DSGV	PSC	Permits	Published	1	
Pay Analyst DSHRZ	Clarifies details on pay slips, helping workers understand their salary breakdown and deductions.	PAY_ANALYST_DSHRZ	HCM	Global Payroll	Published	4	
Costing Setup Assistant DSHRZ	Agent that can help implementers understand key costing concepts and provides suggestions based on best practices for configuring cost accounting.	COSTING_SETUP_ASSISTANT_DSHRZ	SCM	Cost Management	Published	5	
Service Request Resolution Agent Team DSHRZ	Workflow that triggers resolution agent to create a resolution plan.	SERVICE_REQUEST_RESOLUTION_AGENT_TEAM_DSHRZ	CX	Service	Published	2	
	An advisor that helps sales representatives understand						

AI Agent Studio Agent Teams Agents Tools Topics Deep Link Business Object

Name: AA\_AGENT\_TEAM\_AP\_INV.

Description: Payables invoice.

AA\_AGENT\_TEAM\_AP\_INV

Details

LLM

Questions

Security

Agent Team Name

AA\_AGENT\_TEAM\_AP\_INV

Agent Team Code

AAAGENTTEAMAPINV

Family

FIN

Product

Other

Maximum Interactions

10

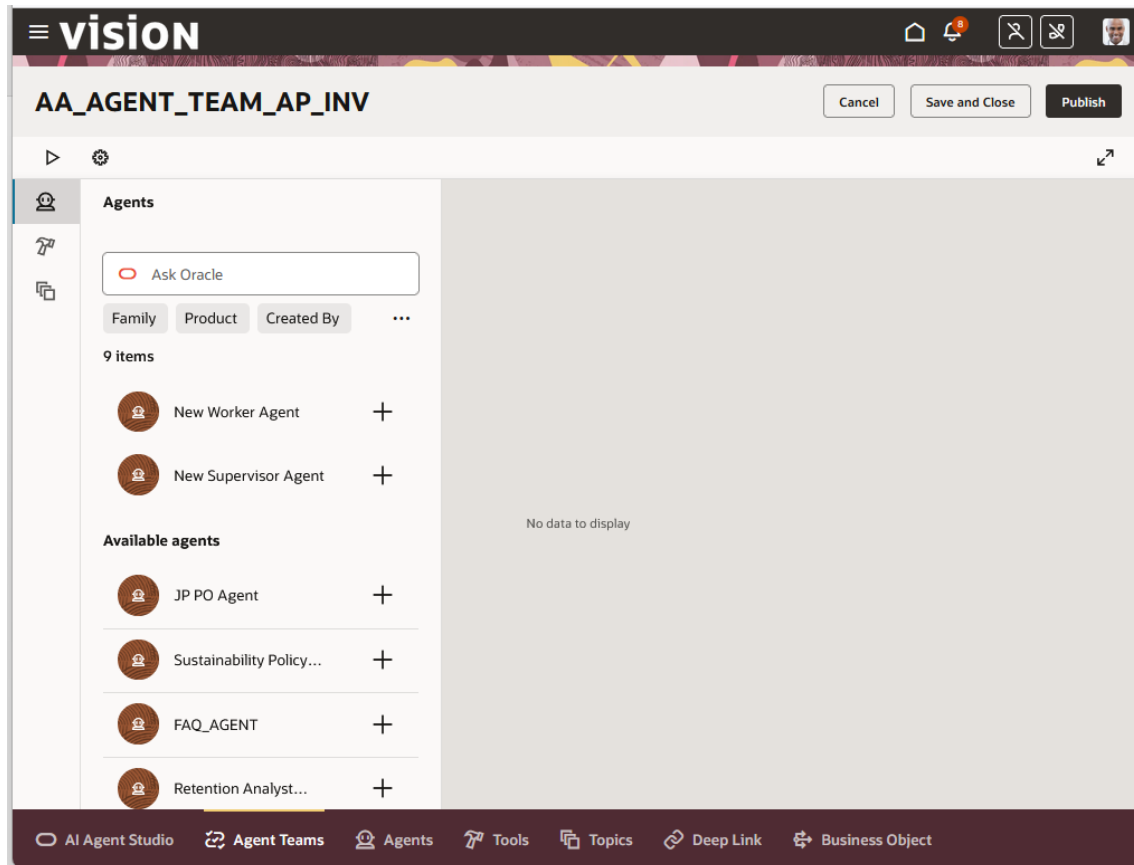
Description

Payables Invoice

Make sure your user has the proper roles.

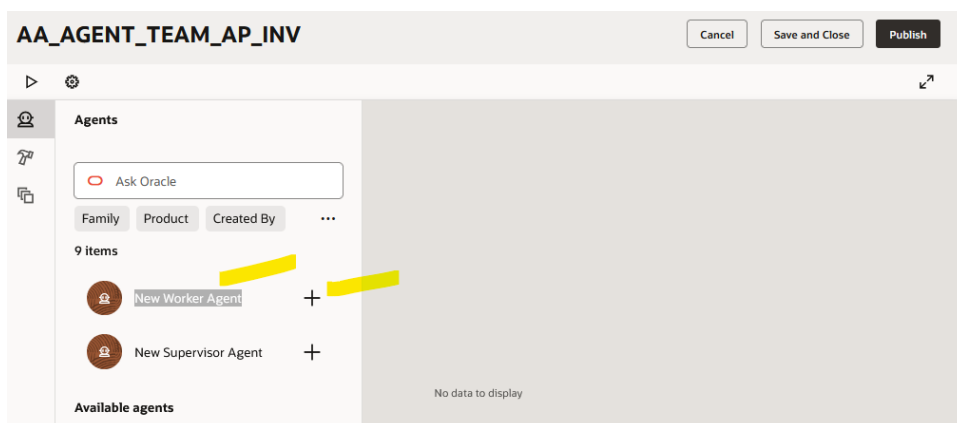
Click on Create.

Now we have this, a clean Canvas.



We will create the Agent “on the fly”.

Select “New Worker Agent”. Click on (+) Plus.





Click on Create after filling in the data.

AA\_AGENT\_AP\_INVOICE

Worker Agent

Details

LLM

Agent Name

AA\_AGENT\_AP\_INVOICE

Agent Code

AAAGENTAPINVOICE

Family

FIN

Product

Other

Maximum Interactions

10

Description

Payables Invoice

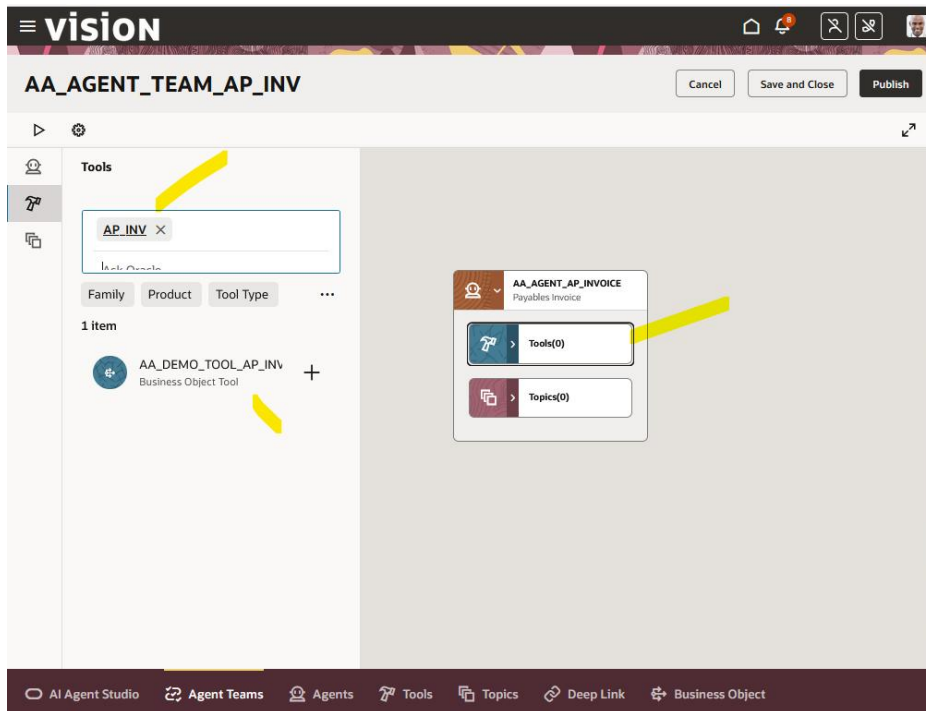
Prompt

Payables Invoice

Cancel

Create

Select “Tools” and use the filter.



Click on (+) Plus.

**AA\_DEMO\_TOOL\_AP\_INV**  
Business Object Tool

Tool Type Business Object	Tool Name AA_DEMO_TOOL_AP_INV
Tool Code AADEMOTOOLAPINV	Family FIN
Product Other	
Description Payables Invoice	
Require human approval <input type="checkbox"/>	

**Business object**

AA\_BO\_AP\_INV\_01  
Payables invoices

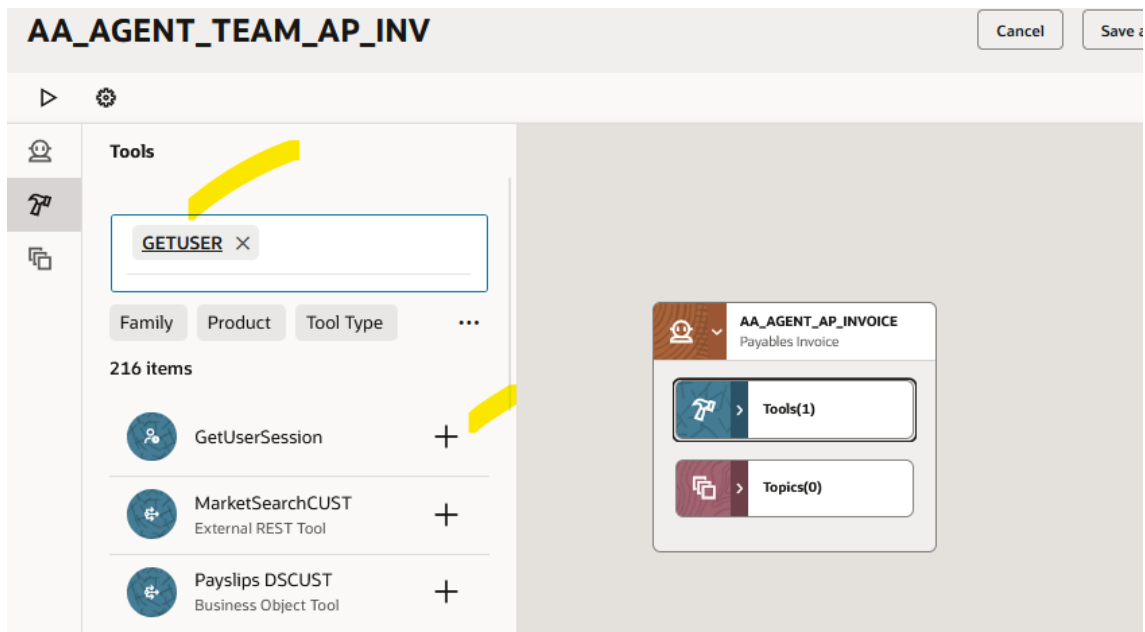
**Functions**

Name	Description
getall_invoices	Get all

Cancel Add

Then click on "Add" button.

Now Add a second tool (User session).



Add as before, and we get the 2 Tools.



And click the (+) Plus icon.

GetUserSession

User Session Tool

Tool Type

ORA\_USER\_SESSION\_TOOL

Tool Name

GetUserSession

Tool Code

ORA\_USER\_SESSION\_TOOL

Family

Common

Product

Other

Description

Tool that fetches the PersonNumber of the logged in user.

Require human approval

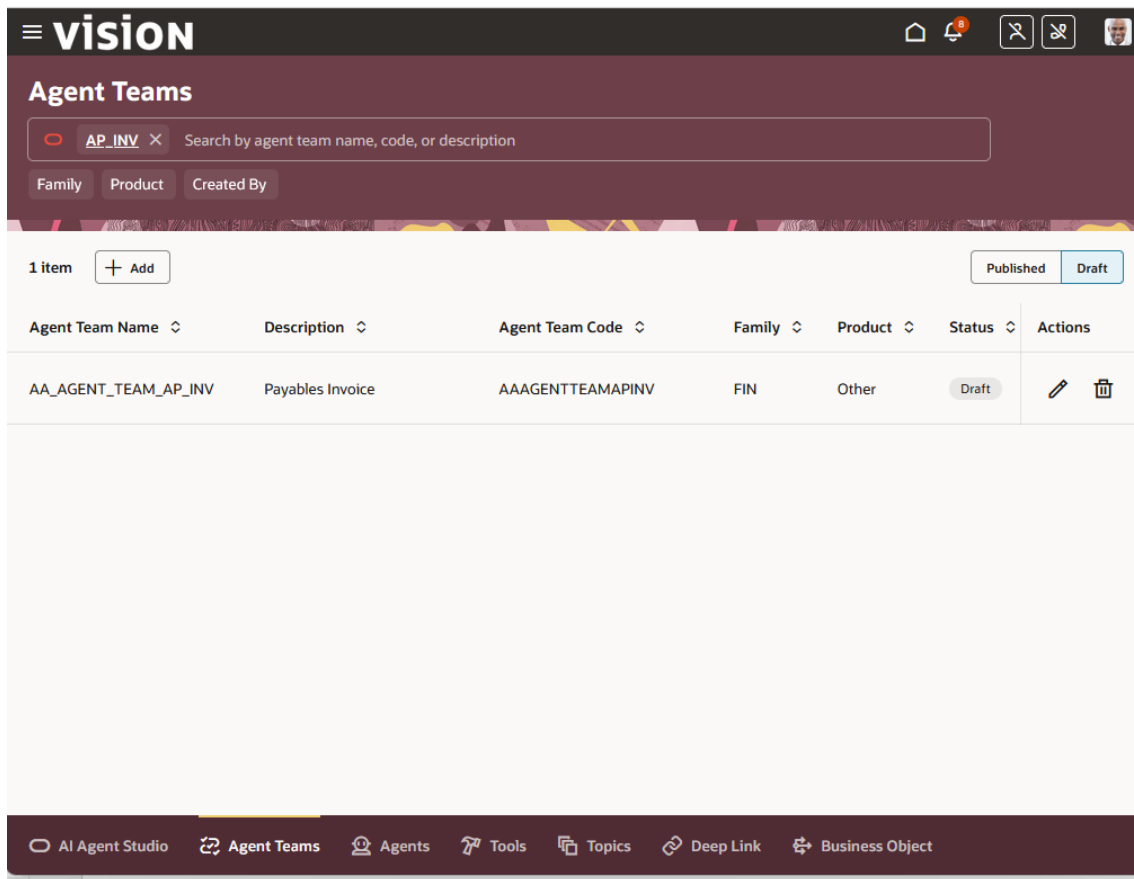
☐

Cancel

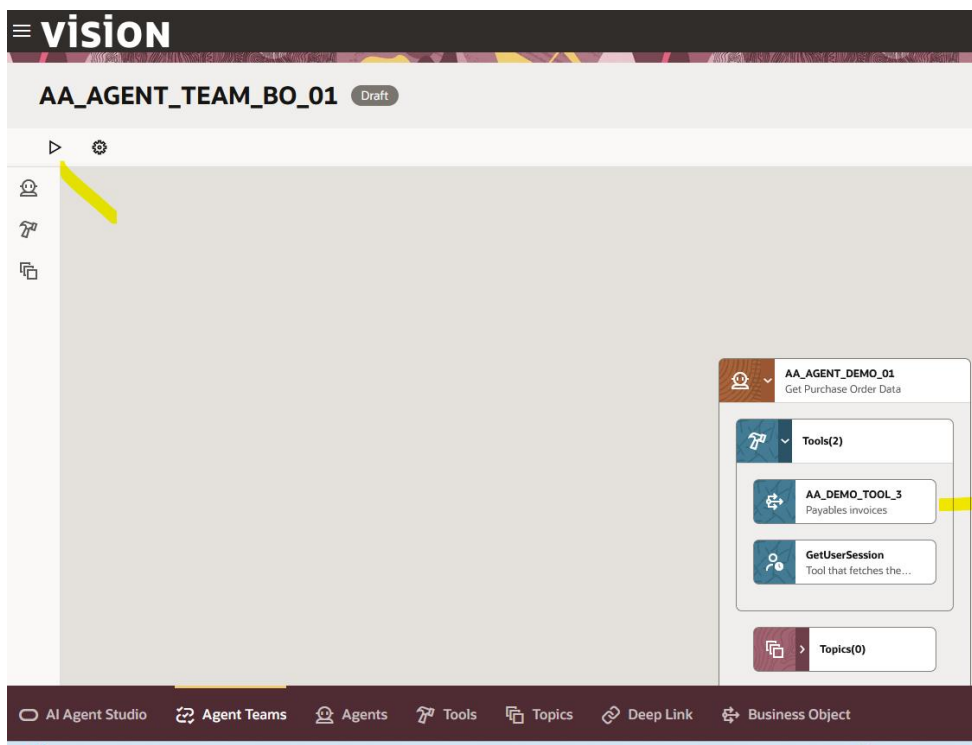
Add

Then “Save and Close”.

Now we can filter.



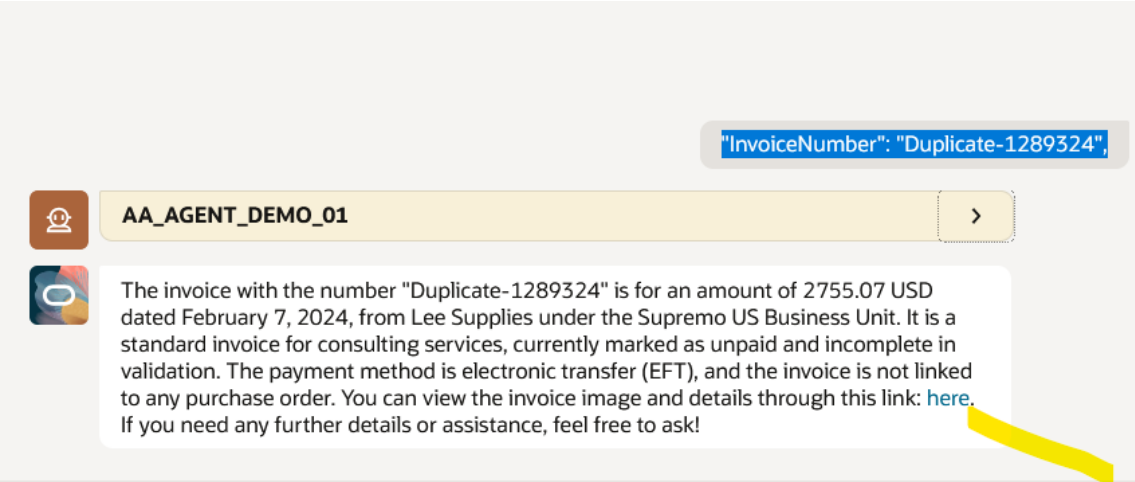
4. Unit Test. Click above-left Icon (triangle).



Let us help the tool with this easy prompt.

"InvoiceNumber": "Duplicate-1289324",

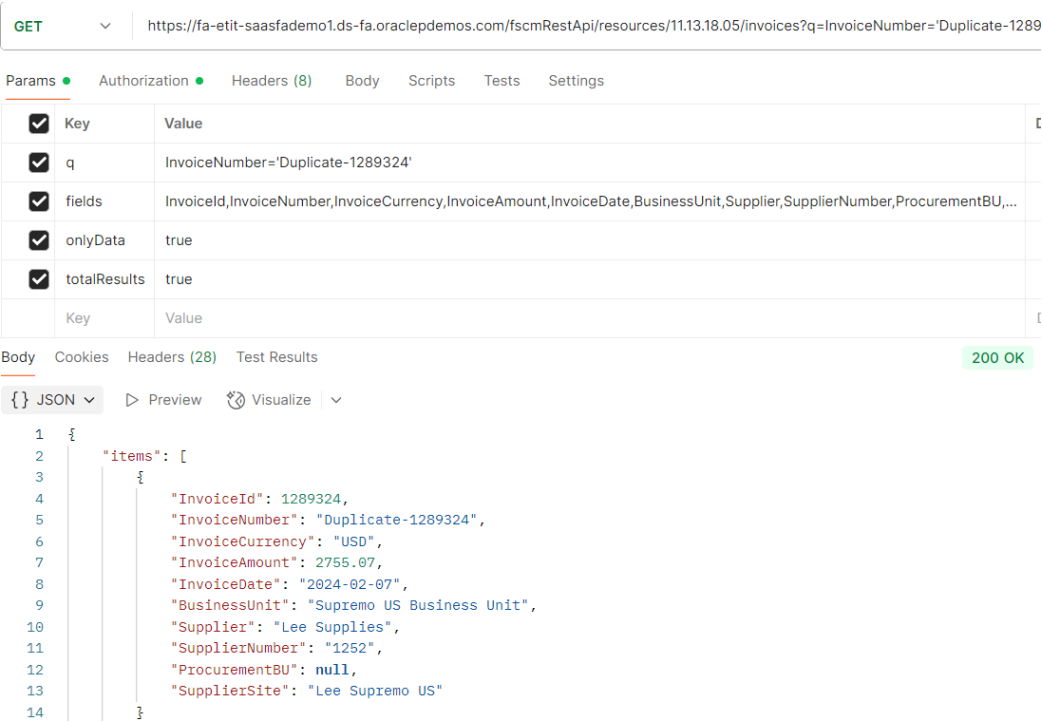
We get this:



Ask Oracle

Notice “out of the box” we get a link to navigate to show the invoice. This could not happen in your instance, but ours get this feature without our intervention.

This is the data in Postman.



And in the system.

**Manage Invoices**

---

Search Results

➤ Search: Invoice

Actions ▾ View ▾ Validate Pay in Full Approval ▾ Post ▾

Invoice Number	Invoice Date	Creation Date	Supplier or Party	Supplier Site	Unpaid Amount	Invoice Amount	Applied Prepayments	Invoice Type	Notes	Validation Status	Approval Status	Holds	Accounting Status	Details
Duplicate LEIN/360	2/7/24	3/11/24 10:55 ...	Lee Supplies	Lee Supre...		2,755.07 U	0.00 USD	Standard		Incomplete	Not required	1	Unaccounted	

After navigating the link we see this report:

Lee Supplies  
855 Hill Street,  
LOS ANGELES, CA 90014

**Invoice #: LEINV360**  
**Date: 02/07/2024**

**Ship To:** 617 York St, Cherry Creek  
DENVER, CO 80206

**Bill To:** DENVER HQ  
7604 E Technology Way  
DENVER, CO 80237


Qty	Item Description	Unit Price	Amount	T
1	Consulting Services	\$2560.00	\$2560.00	T

Let us go for another question.

The screenshot shows a chat interface with a light gray background. At the top, a user's question is displayed in a rounded gray bubble: "how many lines has the invoice". Below this, the assistant's response is shown. It starts with an orange square icon containing a white robot head. To the right of the icon is a yellow rectangular card with the text "AA\_AGENT\_DEMO\_01" in bold black font. To the right of the card is a small gray square button with a white right-pointing chevron. Below the card and button is a white rounded rectangular bubble containing the text: "The invoice "Duplicate-1289324" contains 1 line item for consulting services. If you need to review the invoice details or image, you can view it here: [here](#)". At the bottom left of the interface, the text "Ask Oracle" is visible in a blue font.

We can ask this question because we provide in the “Resource Path” this detail:

```
/fscmRestApi/resources/11.13.18.05/invoices?q=InvoiceNumber={InvoiceNumber}&expand=all
```

With parameter `expand=all`, the REST is able to retrieve all children information of the invoice, lines, distributions, etc.

Another question.

How many invoices has the supplier?

**AA\_AGENT\_DEMO\_01**

The supplier "Lee Supplies" has 2 invoices in the system. If you need details on any specific invoice or further assistance, feel free to ask!

Ask Oracle

Let us check if this is true.

GET <https://fa-etit-saasfademo1.ds-fa.oraclep demos.com/fscmRestApi/resources/11.13.18.05/invoices?q=SupplierNumber='1252'&fields=InvoiceId,InvoiceNumber>

Params • Authorization • Headers (8) • Body • **Scripts** • Tests • Settings

Key	Value	Description
q	SupplierNumber='1252'	
fields	InvoiceId,InvoiceNumber,InvoiceCurrency,InvoiceAmount,InvoiceDate,BusinessUnit,Supplier,SupplierNumber,ProcurementBU,...	
onlyData	true	
totalResults	true	

Body Cookies Headers (28) Test Results **200 OK** • 1.87 s • 2.11

**JSON** Preview Visualize

```
382  {
383  },
384  "totalResults": 1223,
385  "count": 25,
386  "hasMore": true,
387  "limit": 25,
388  "offset": 0,
389  "links": [
390    {
391      "rel": "self",
392      "href": "https://fa-etit-saasfademo1.ds-fa.oraclep demos.com:443/fscmRestApi/resources/11.13.18.05/invoices",
393      "name": "invoices",
394      "kind": "collection"
395    }
396  ]
397 }
```



Search: Invoice

Business Unit

\*\* Invoice Number

Invoice Amount



















Invoice Date

\*\* Supplier or Party

\*\* Supplier Number

\*\* Supplier Site

Taxpayer ID

Actions ▾ View ▾     Details <span>Validate</span> <span>Pay in Full</span> <span>Approval</span> <span>Post</span> ▾														
Invoice Number	Invoice Date	Creation Date	Supplier or Party	Supplier Site	Unpaid Amount	Invoice Amount	Applied Prepayments	Invoice Type	Notes	Validation Status	Approval Status	Holds	Accounting Status	Details
12345	9/8/25	9/8/25 4:39 PM	Lee Supplies	Lee Supre...	1,076.20 USD	1,076.20 L	0.00 USD	Standard		Validated	Workflow appro...	0	Accounted	
25071402	7/14/25	7/14/25 9:35 AM	Lee Supplies	Lee Progr...	75,000.00 USD	75,000.00 L	0.00 USD	Standard		Validated	Not required	0	Accounted	
Equipment	8/23/25	7/4/25 11:45 AM	Lee Supplies	Lee US1	0.00 USD	2,628.00 L	0.00 USD	Standard		Validated	Not required	0	Accounted	
FMH_0001	9/12/25	9/12/25 6:10 PM	Lee Supplies	Lee US1	65,700.00 USD	65,700.00 L	0.00 USD	Standard		Validated	Not required	0	Unaccounted	
INV-20250721-002	7/21/25	9/10/25 10:15 ...	Lee Supplies	Lee US1	1,500.00 USD	1,500.00 L	0.00 USD	Standard		Not validated	Not required	0	Unaccounted	
L032025	3/20/25	7/6/25 7:02 PM	Lee Supplies	Lee US1	4,735.28 USD	4,735.28 L	0.00 USD	Standard		Validated	Not required	0	Accounted	
L101	9/19/25	7/1/25 11:42 AM	Lee Supplies	Lee US1	0.00 EUR	876.00 EU	0.00 EUR	Standard		Validated	Not required	0	Accounted	
L201	9/16/25	7/2/25 8:36 AM	Lee Supplies	Lee US1	0.00 USD	2,190.00 L	0.00 USD	Standard		Validated	Not required	0	Accounted	
LEE4888	7/3/25	7/3/25 3:49 PM	Lee Supplies	Lee Univ US	0.00 USD	2,000.00 L	0.00 USD	Standard		Validated	Workflow appro...	0	Accounted	
Lee5558	7/19/25	7/19/25 7:01 AM	Lee Supplies	Lee Univ US	1,000.00 USD	1,000.00 L	0.00 USD	Standard		Validated	Not required	0	Unaccounted	
LEE8790	7/3/25	7/3/25 3:49 PM	Lee Supplies	Lee Univ US	20,000.00 USD	20,000.00 L	0.00 USD	Standard		Validated	Initiated	0	Accounted	
LEE9099	7/1/25	7/19/25 6:55 AM	Lee Supplies	Lee Univ US	7,000.00 USD	7,000.00 L	0.00 USD	Standard		Validated	Not required	0	Unaccounted	
PCS10027_0525	5/23/25	9/18/25 8:48 AM	Lee Supplies	Lee US1	0.00 USD	3,350.00 L	0.00 USD	Standard		Validated	Not required	0	Accounted	
PCS10027_0625	6/23/25	9/18/25 8:48 AM	Lee Supplies	Lee US1	0.00 USD	3,300.00 L	0.00 USD	Standard		Validated	Not required	0	Accounted	
PCS10027_0725	7/23/25	9/18/25 8:48 AM	Lee Supplies	Lee US1	3,350.00 USD	3,350.00 L	0.00 USD	Standard		Validated	Not required	0	Accounted	

The answer seems not ok. We will go back to this in the future.

# Receivables Invoices

We have repeated the exercise for Receivables.

This is the clue to getting the BO working.

Edit businessobject - AA\_DEMO\_BO\_AR\_TRX

CancelSave

Resource Type  
Monolith resource

Resource Path  
/fscmRestApi/resources/11.13.18.05/receivablesInvoices

Description  
Transaction Number

Business Object Functions

+

Add from Specification

Name	Description	Resource Path	Actions
getall_receivablesInvoices	Get all	/fscmRestApi/resources/11.13.18.05/receivablesInvoices?q=TransactionNumber={TransactionNumber}&expand=all&onlyData=true	<div><div></div><div></div><div></div></div>

https://ejws-test.fa.em2.oraclecloud.com:443/fscmRestApi/resources/11.13.18.05/suppliers/300006224695759/child/DFP/3000062...

Save

Share

GET

https://dabpqy.ds-fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/receivablesInvoices?q=TransactionNumber='61765'

Send

Params

Authorization

Headers (9)

Body

Scripts

Tests

Settings

Cookies

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/>	q	TransactionNumber='61765'		
	Key	Value	Description	

Body

Cookies (1)

Headers (28)

Test Results

200 OK

5.66 s

2.7 KB

JSON

Preview

Visualize


```
1 {
2   "items": [
3     {
4       "CustomerTransactionId": 300000248096352,
5       "DueDate": "2017-07-30",
6       "ConversionRate": null,
7       "ConversionRate": null,
8       "InvoiceCurrencyCode": "GBP",
9       "SpecialInstructions": null,
10      "CrossReference": null,
11      "DocumentNumber": null,
12      "TransactionNumber": "61765",
13      "TransactionDate": "2017-06-30",
14      "TransactionType": "Invoice",
```

After replicating the BO for “recevablesInvoices” we had this interesting chat with AI.


18

AI for Fusion Cookbook 2026

61765




AA\_AGENT\_AR\_TRX




The invoice with transaction number 61765 is for ABC Corporation Americas, billed to their Santa Clara site. It was issued on June 30, 2017, with a due date of July 30, 2017. The invoice is for a consultation service priced at £39,969 GBP and has been fully paid. Payment terms were 2/10, Net 30, and the invoice status is complete. If you need any more details or assistance, feel free to ask!

how many lines




AA\_AGENT\_AR\_TRX




The invoice with transaction number 61765 contains 1 line item for a consultation service priced at £39,969 GBP. If you need any more details, just let me know!

how many distribution lines?




AA\_AGENT\_AR\_TRX




The invoice with transaction number 61765 has 3 distribution lines. If you need details about each distribution or anything else, just let me know!

show me the distribution lines



AA\_AGENT\_AR\_TRX



The invoice with transaction number 61765 has three distribution lines:

Ask Oracle



## AA\_AGENT\_AR\_TRX



The invoice with transaction number 61765 has three distribution lines:

1. Receivable account with an amount of £39,969
2. Revenue account linked to the consultation service line, also £39,969
3. A rounding distribution with an amount of £0

If you need more details about any of these distribution lines, feel free to ask!

in tabular form




## AA\_AGENT\_AR\_TRX




Here is the detailed information for invoice number 61765 in a clear table format:

Field	Details
Transaction Number	61765
Customer Name	ABC Corporation Americas
Bill To Customer Number	26370
Bill To Site	Santa Clara
Invoice Date	2017-06-30
Due Date	2017-07-30
Currency	GBP
Invoice Amount	£39,969
Invoice Status	Complete
Payment Terms	2/10, Net 30
Line Item Description	Consultation
Quantity	1
Unit Price	£39,969
Payment Status	Fully Paid
Number of Distribution Lines	3



AA\_AGENT\_AR\_TRX




The invoice number 61765 for ABC Corporation Americas, billed to the Santa Clara site, is from the UK Business Unit. It includes three distribution lines with the following segment accounts:


- Receivable Account: 303.30.1210.000.000.000
- Revenue Account: 303.30.4110.820.000.000
- Rounding Distribution: 303.30.7231.310.000.000

If you need any further details or assistance, feel free to ask!

and amount



AA\_AGENT\_AR\_TRX




The invoice number 61765 for ABC Corporation Americas, billed to the Santa Clara site, is for a consultation service with a total amount of £39,969 GBP. The invoice includes three distribution lines:


- Receivable Account: £39,969
- Revenue Account: £39,969
- Rounding Distribution: £0

The invoice is complete and fully paid, with payment terms of 2/10, Net 30. If you need any further details, feel free to ask!

account and amount



AA\_AGENT\_AR\_TRX




The invoice number 61765 for ABC Corporation Americas, billed to the Santa Clara site, is for a consultation service with a total amount of £39,969 GBP. The invoice includes three distribution lines:


- Receivable Account: £39,969
- Revenue Account: £39,969
- Rounding Distribution: £0

The invoice is complete and fully paid, with payment terms of 2/10, Net 30. If you need any further details, feel free to ask!

account and amount



AA\_AGENT\_AR\_TRX



The invoice number 61765 for ABC Corporation Americas includes three distribution lines with the following accounts and amounts:

- Receivable Account (303.30.1210.000.000.000): £39,969
- Revenue Account (303.30.4110.820.000.000): £39,969
- Rounding Distribution (303.30.7231.310.000.000): £0

If you need any more details or assistance, feel free to ask!

Ask Oracle



## **Conclusion**

We are able to query Payables invoices and receivables transactions using Business Object tools.

## Technical

Code example	Comments
NA	NA