Al Agent Studio demo.

Agent Team with Agent for tools of type "Business Object" Part 3.

- New feature 1: out parameter in BO Tool.
- New feature 2. Human intervention.
- New feature 3: combine 2 BO Tools in one Agent.

New feature 1. Out parameter.

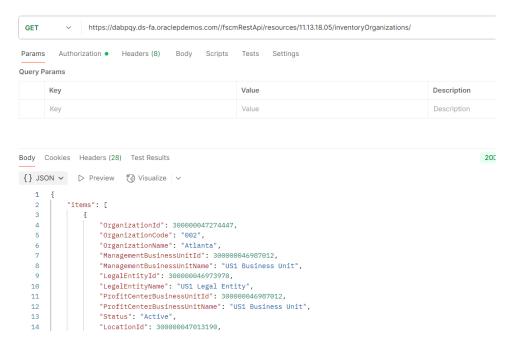
Introduction/Goal

As a complement to previous section (AI_Fusion_Agent BO-Payables Receivables Invoices), we will show an example with "out parameter", we will force the Business Object to retrieve a field that we could needed for further steps in our Agent Team.

Preparatory steps

The user for developing and testing in should have the proper roles; this part is outside the scope of this document.

Investigate the REST API we are going to use.



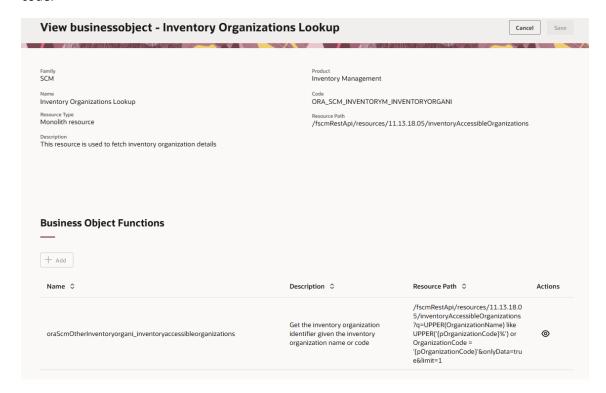
Steps.

Assumption to no repeat steps.

You have followed previous chapter (AI_Fusion_Agent BO-Payables Receivables Invoices) and know how to create the AI artifacts for business object Agent Team.

In this case the changes are in the definition of the Business Object.

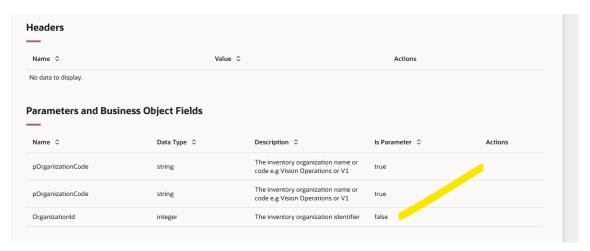
Description: Get the inventory organization identifier given the inventory organization name or code.



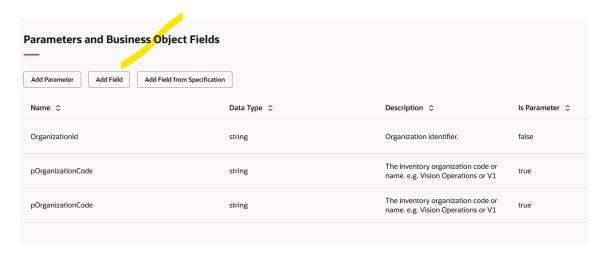
Resource path:

/fscmRestApi/resources/11.13.18.05/inventoryOrganizations?q=UPPER(Organization
Name) like UPPER('{pOrganizationCode}%') or OrganizationCode =
'{pOrganizationCode}'&onlyData=true

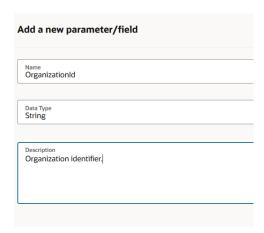
And the important thing, the Out-Parameter setup here.



How to get this done?



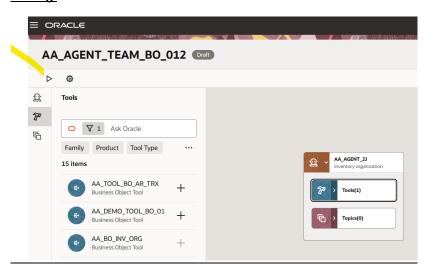
We can do it manually or using the option "Add Field from Specification" which will show all the fields retrieved by REST API.

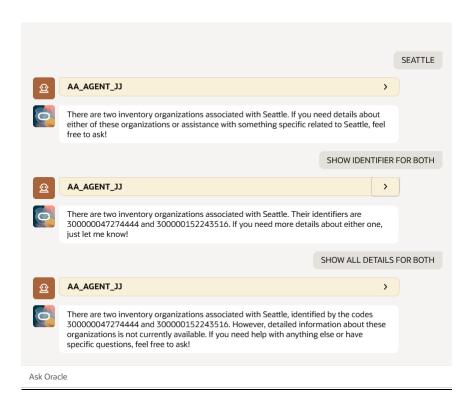


Parameter descriptions:

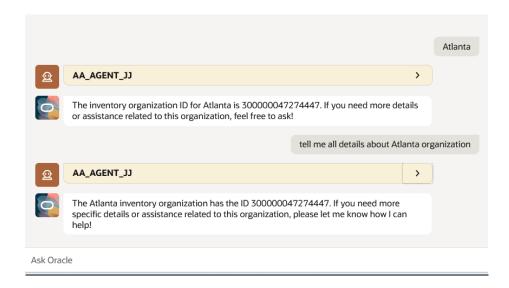
The inventory organization code or name. e.g. Vision Operations or V1 Organization identifier.

Testing.





Test with "Atlanta".



In this case it seems the answers are limited to the out-parameter.

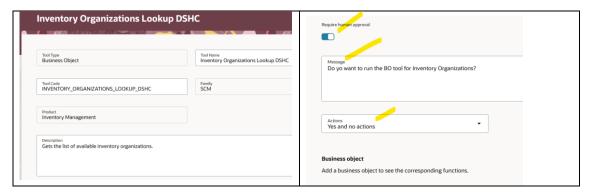
Conclusion

We know already how to set up an out-parameter in Business Object tool.

New feature 2. Human intervention.

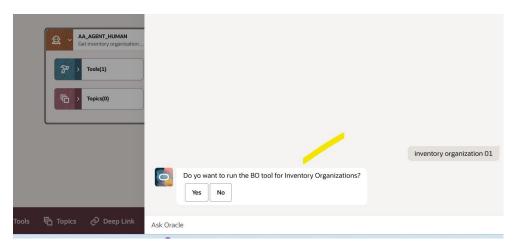
For previous demo we will enable the "Require human approval", to review how useful the feature is.

When setting up the Tool we have this flag to enable.

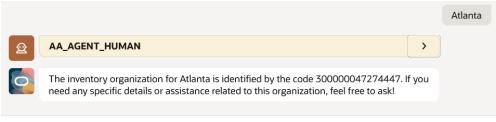


Feel free to test the other options in the list of values of "Actions".

Notice when testing, before the tool action is done, the system will ask us if we agree to do it.



Not a big deal with querying data as shown, but if we run a process or update data it is a good thing to have this feature available.



Ask Oracle

New feature 3. Combine two tools in one Agent.

Introduction/Goal

As a complement to previous section (AI_Fusion_Agent BO-Payables Receivables Invoices), we will show an example 2 Tools.

We will show a basic example and see how it works before building bigger and more complex Agent Teams.

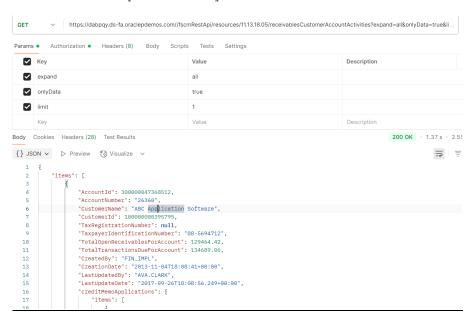
Preparatory steps.

The user for developing and testing in should have the proper roles; this part is outside the scope of this document.

Investigate the REST APIs we are going to use 2 REST APIs:

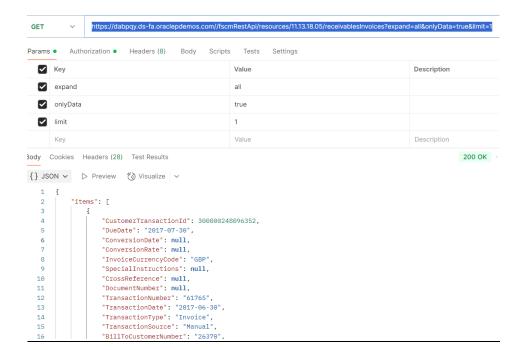
https://xxxx.ds-

 $\label{limit} fa. oraclepdemos.com//fscmRestApi/resources/11.13.18.05/receivablesCustomerAccountActivities?expand=all&onlyData=true&limit=1$



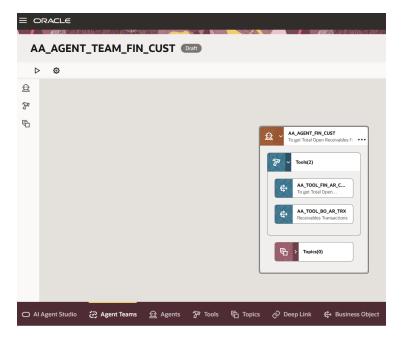
https://xxxx.ds-

 $\label{limit-product} \frac{\texttt{fa.oraclepdemos.com//fscmRestApi/resources/11.13.18.05/receivablesInvoices?expand=all&onlyData=true&limit=1}{}$

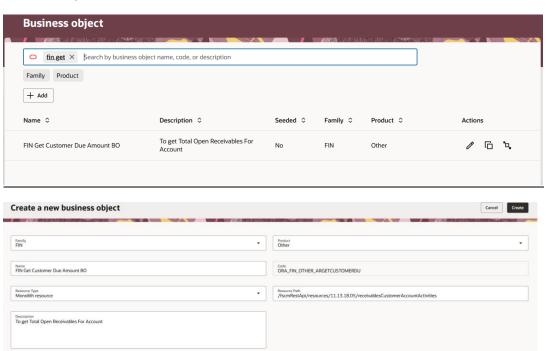


Steps.

Combine 2 Business Object Tools in Agent team. General overview when finished.



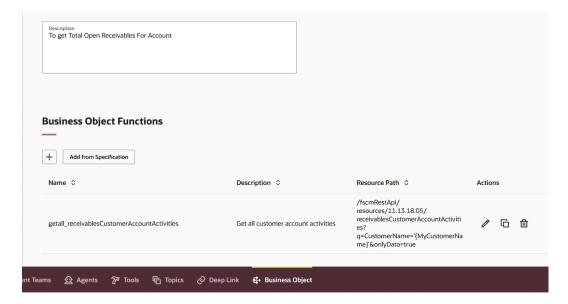
Business Object 1.



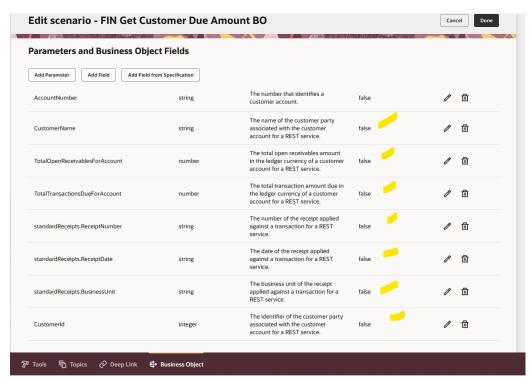
BO Resource Path:

/fscmRestApi/resources/11.13.18.05/receivablesCustomerAccountActivities

Function Resource Path:



When editing, notice the fields (out-parameters).

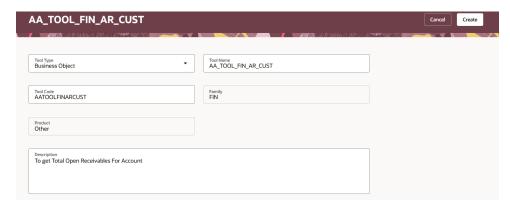


And add example payload:

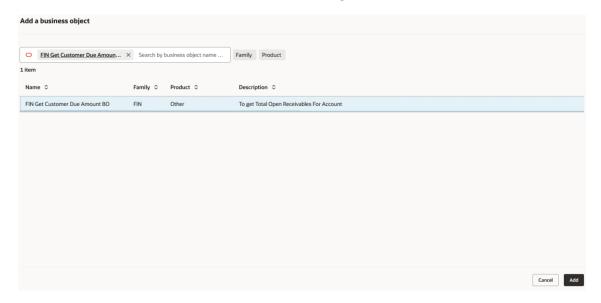


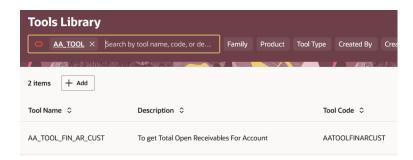
Description: To get Total Open Receivables for Account

Tool.

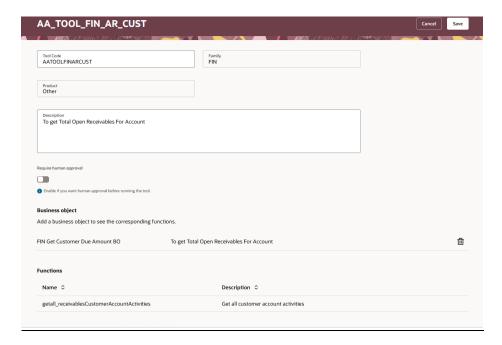


Search with filter, select and Add with button below-right.





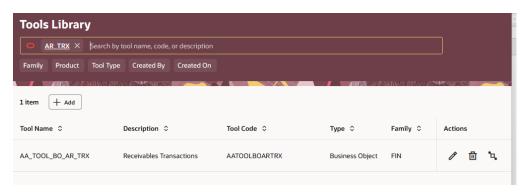
General overview.

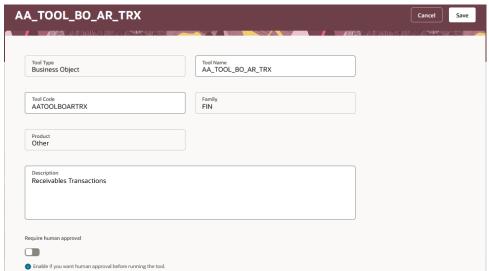


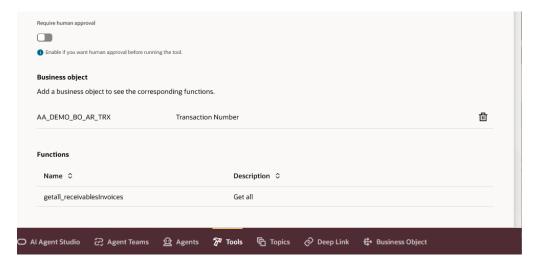
Business Object 2.

To not repeat, we are using the Business Object for receivables created in section-chapter "Al_Fusion_Agent BO-Payables Receivables Invoices".

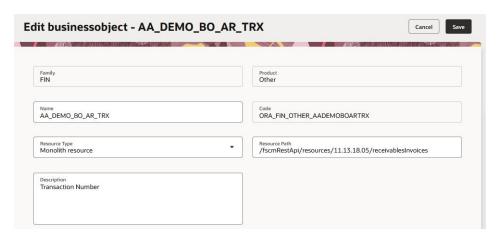
Summary steps for Tool.







Summary for Business Object.

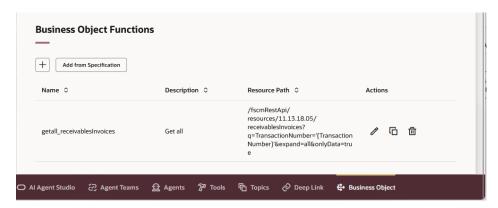


Notice Resource Path above:

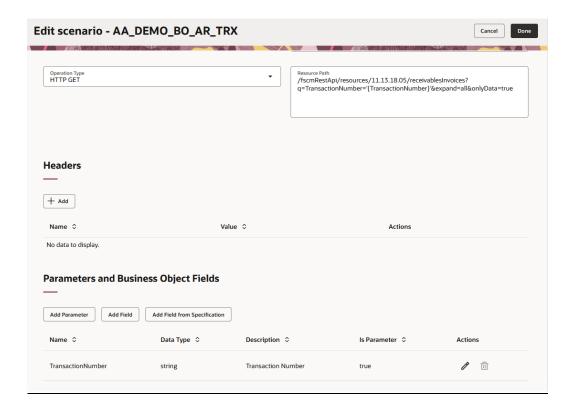
/fscmRestApi/resources/11.13.18.05/receivablesInvoices

and Function Resource Path below.

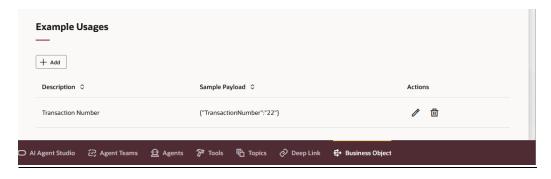
/fscmRestApi/resources/11.13.18.05/receivablesInvoices?q=Transac
tionNumber='{ TransactionNumber }'&expand=all&onlyData=true



Parameters.

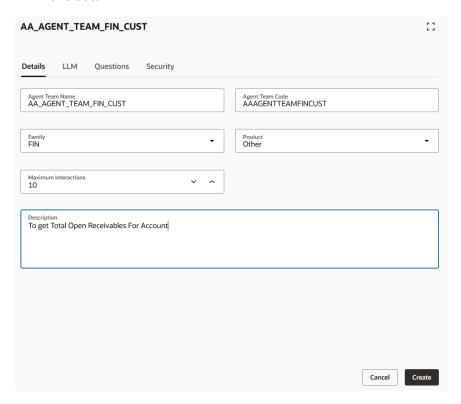


Example usages.

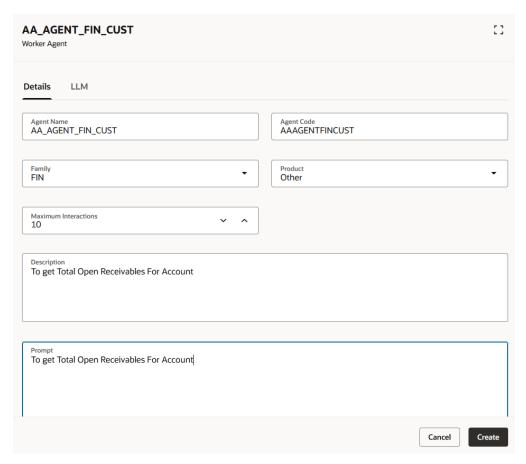


Agent Team.

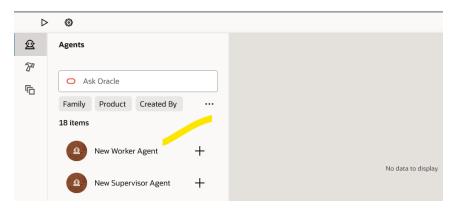
Fill in this data.



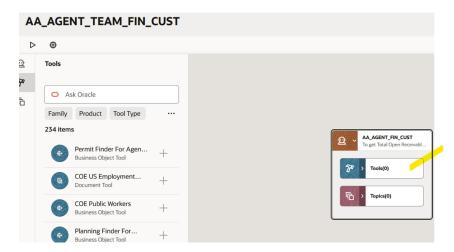
Description: To get Total Open Receivables for Account



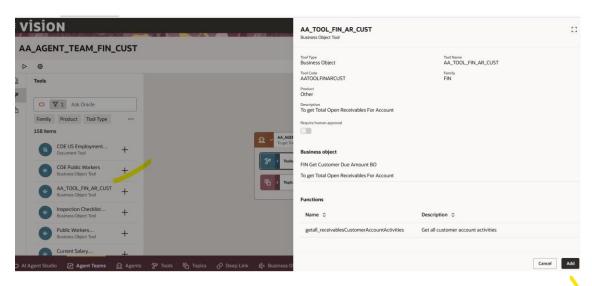
Next include "New Worker Agent" using (+) Plus icon.



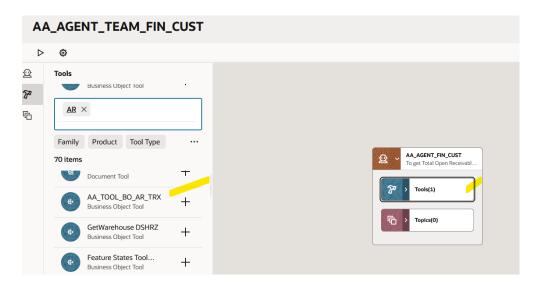
Now, select "Tools" in canvas.



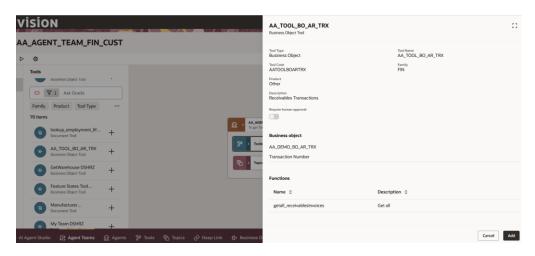
Use filter on the left side and "Add" first tool.



Repeta for second tool.

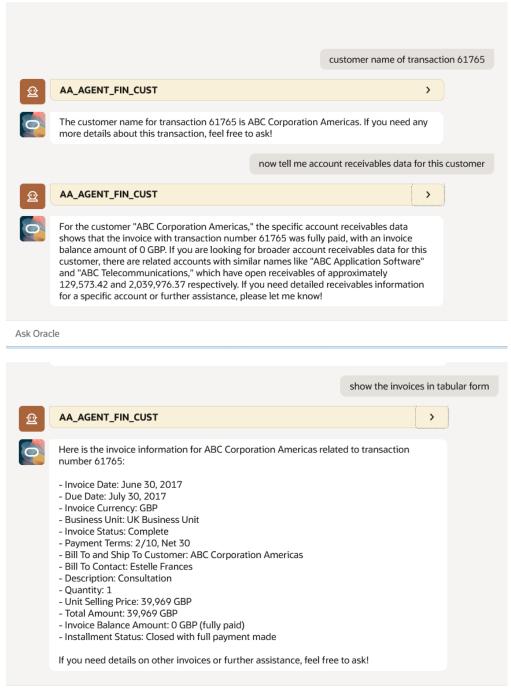


Filter, select and click on "Add" button.

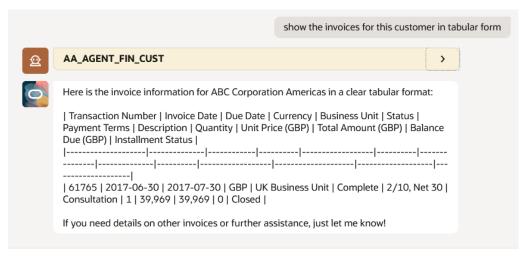


Testing.

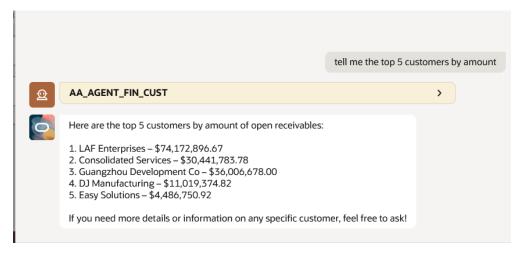
We played a bit and asked for learning purposes the following questions.

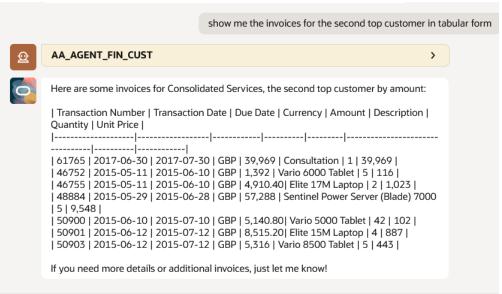


Ask Oracle

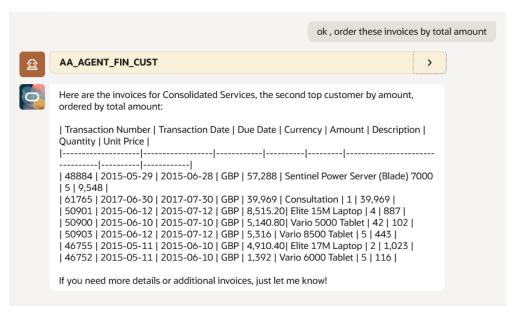


Ask Oracle

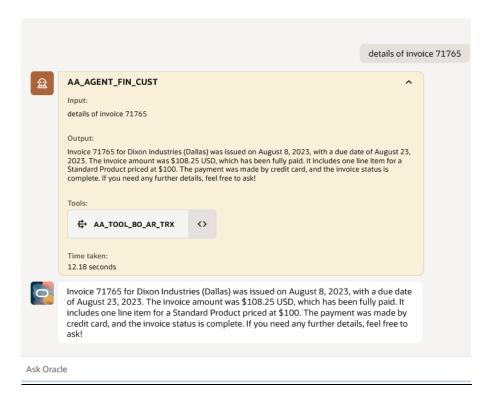




Ask Oracle



Ask Oracle



Conclusion

We are able to include 2 tools of type BO and play with both in the same Agent Tool.