

**AI Agent Studio demo.**

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


**How to create suppliers in SaaS with REST API.**


**Introduction/Goal**

To not repeat every step, we assume you have followed previous chapters and know some basics for navigating in AI Agent Studio and how to create Business Object-Tool-Agent Team.

In this chapter we will show how a basic demo for creating suppliers using an Agent Team created by us.

Data for test 2."Supplier": "KPMG 000003", "SupplierNumber": "100772-00003", "AddressName": "Stockholm-TCC-SE", "CountryCode": "SE", "AddressLine1": "Vasagatan 16", "SupplierSite": "SE06-SEK-PURCH", "ProcurementBU": "US1 Business Unit", "SupplierAddressName": "Stockholm-TCC-SE"

AA\_AGENT\_SUPP\_BO

The supplier "KPMG 000003" with Supplier Number "100772-00003" has been successfully created. The registered address is "Vasagatan 16, Stockholm, Sweden, 101 27" under the name "Stockholm-TCC-SE." The supplier site "SE06-SEK-PURCH" is active and associated with the "US1 Business Unit" for procurement purposes. If you need any further details or assistance, feel free to ask!

Ask Oracle

OverviewSupplier: KPMG 000003 x

Supplier: KPMG 000003 ? ★

ProfileAddressesSitesContactsQualifications

ViewFormatFreezeWrapStatusActive

Address Name	Address
Stockholm-TCC-SE	Vasagatan 16,101 27,101 27 Stockholm,SWEDEN

Columns Hidden 5

## **Preparatory steps**

For us it is mandatory to investigate the REST API related before starting. We recommend to test in Postman or similar tool.

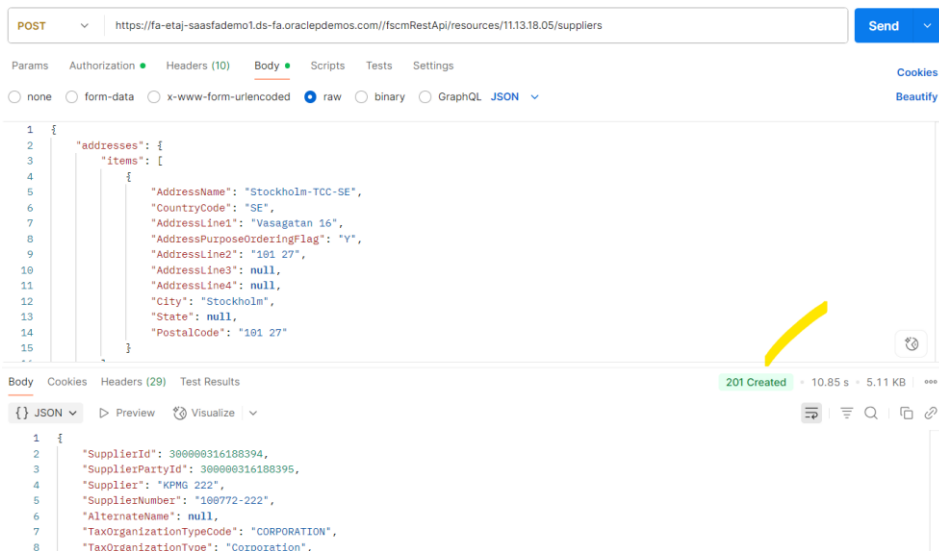
Get a user for testing in SaaS that has the proper roles to create Suppliers using REST.

The REST API to use are the following:

- <https://qqqq.ds-fa.oraclep demos.com:443/fscmRestApi/resources/11.13.18.05/suppliers>

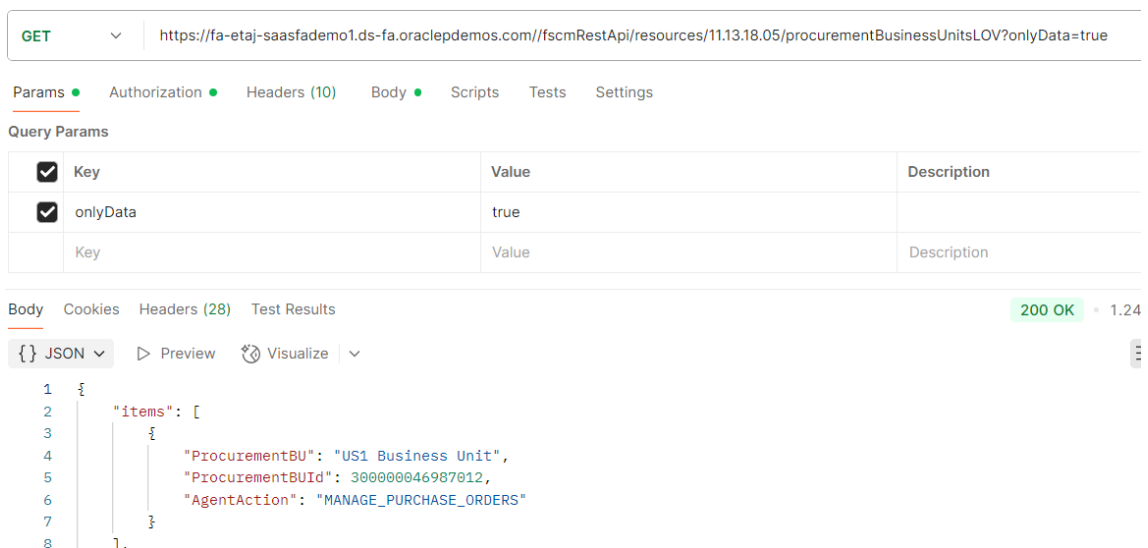
POST Request payload sample to create a supplier with minimal data.

```
{
  "Supplier": "KPMG AB52335",
  "SupplierNumber": "100772-52335",
  "TaxOrganizationTypeCode": "CORPORATION",
  "SupplierTypeCode": "SUPPLIER",
  "BusinessRelationshipCode": "SPEND_AUTHORIZED",
  "TaxRegistrationCountryCode": "SE",
  "addresses": {
    "items": [
      {
        "AddressName": "Stockholm-TCC-SE",
        "CountryCode": "SE",
        "AddressLine1": "Vasagatan 16",
        "AddressPurposeOrderingFlag": "Y",
        "AddressLine2": "101 27",
        "AddressLine3": null,
        "AddressLine4": null,
        "City": "Stockholm",
        "State": null,
        "PostalCode": "101 27"
      }
    ]
  },
  "sites": {
    "items": [
      {
        "SupplierSite": "SEK-PURCH",
        "ProcurementBU": "Australia Business Unit",
        "SupplierAddressName": "Stockholm-TCC-SE",
        "SitePurposeSourcingOnlyFlag": "N",
        "SitePurposePurchasingFlag": "Y",
        "SitePurposeProcurementCardFlag": "N",
        "SitePurposePrimaryPayFlag": null,
        "IncomeTaxReportingSiteFlag": false
      }
    ]
  }
}
```



- <https://fa-xxxx-saasfademo1.ds-fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/procurementBusinessUnitsLOV?onlyData=true>

This would be used to know the available procurement business units for the user.



**Steps.**

**Summary of steps for Procurement Business Units Business Object.**

Resource Path:

/fscmRestApi/resources/11.13.18.05/ procurementBusinessUnitsLOV

Edit scenario - AA\_DEMO\_BUSINESS\_UNIT\_LOV

Cancel

Done

Name

getall\_finBusinessUnitsLOV

Description

Get all

Operation Type

HTTP GET

Resource Path

/fscmRestApi/resources/11.13.18.05/procurementBusinessUnitsLOV

Notice the parameter onlyData=true in Functions section.

Business Object Functions

+

Add from Specification

Name	Description	Resource Path	Actions
getall_finBusinessUnitsLOV	Get all	/fscmRestApi/resources/11.13.18.05/procurementBusinessUnitsLOV?onlyData=true	<div><div></div><div></div><div></div></div>

Parameters and Business Object Fields

Add Parameter

Add Field

Add Field from Specification

Name	Data Type	Description	Is Parameter	Actions
ProcurementBU	string	Organization	false	<div><div></div><div></div></div>
ProcurementBUID	integer	ProcurementBUID	false	<div><div></div><div></div></div>
AgentAction	string	Action	false	<div><div></div><div></div></div>

### Headers

+ Add

Name	Value
No data to display.	

### Parameters and Business Object Fields

Add Parameter
Add Field
Add Field from Specification

Name	Data Type	Description
No data to display.		

#### Select business object fields

<input checked="" type="checkbox"/>	ProcurementBU
<input checked="" type="checkbox"/>	ProcurementBUILD
<input checked="" type="checkbox"/>	AgentAction

Tool for Procurement Business Unit.

AA\_DEMO\_TOOL\_BU\_01

Tool Type  
Business Object

Tool Name  
AA\_DEMO\_TOOL\_BU\_01

Tool Code  
AADEMOTOOLBU01

Family  
PRC

Product  
Other

Description  
Tool to query business units.

Require human approval  
☐

**i** Enable if you want human approval before running the tool.

#### Business object

Add a business object to see the corresponding functions.

AA_DEMO_BUSINESS_UNIT_LOV	Get business units data.
---------------------------	--------------------------

Summary steps for Suppliers Business Object.

Business Object. Suppliers POST operation.

Resource path:

/fscmRestApi/resources/11.13.18.05/suppliers

### Edit businessobject - AA\_DEMO\_SUPPLIER\_CREATION

Family  
PRC

Product  
Supplier

Name  
AA\_DEMO\_SUPPLIER\_CREATION

Code  
ORA\_PRC\_SUPPLIER\_AADEMOSUPPLIERC

Resource Type  
Monolith resource




Resource Path  
/fscmRestApi/resources/11.13.18.05/suppliers

Description  
Create supplier in ERP with minimal data.

### Business Object Functions

+

Add from Specification

Name	Description	Resource Path	Actions
create_suppliers	Create	/fscmRestApi/resources/11.13.18.05/suppliers	  

AI Agent Studio

Agent Teams

Agents

Tools

Topics

Deep Link

Business Object

Scenario.

6

AI for Fusion Cookbook

### Edit scenario - AA\_DEMO\_SUPPLIER\_CREATION

Name create_suppliers	Description Create
Operation Type HTTP POST	Resource Path /fscmRestApi/resources/11.13.18.05/suppliers

Operation Payload

```
{
  "Supplier": "{Supplier}",
  "SupplierNumber": "{SupplierNumber}",
  "TaxOrganizationTypeCode": "CORPORATION",
  "SupplierTypeCode": "SUPPLIER",
  "BusinessRelationshipCode": "SPEND_AUTHORIZED",
  "TaxRegistrationCountryCode": "SE",
  "addresses": {
    "items": [
      {















```

#### Headers

Payload with parameters.

```
{
  "Supplier": "{Supplier}",
  "SupplierNumber": "{SupplierNumber}",
  "TaxOrganizationTypeCode": "CORPORATION",
  "SupplierTypeCode": "SUPPLIER",
  "BusinessRelationshipCode": "SPEND_AUTHORIZED",
  "TaxRegistrationCountryCode": "SE",
  "addresses": {
    "items": [
      {
        "AddressName": "{AddressName}",
        "CountryCode": "SE",
        "AddressLine1": "{AddressLine1}",
        "AddressPurposeOrderingFlag": "Y",
        "AddressLine2": "101 27",
        "AddressLine3": null,
        "AddressLine4": null,
        "City": "Stockholm",
        "State": null,
        "PostalCode": "101 27"
      }
    ]
  },
  "sites": {
    "items": [
      {
        "SupplierSite": "{SupplierSite}",
        "ProcurementBU": "{ProcurementBU}",
        "SupplierAddressName": "{SupplierAddressName}",
        "SitePurposeSourcingOnlyFlag": "N",
        "SitePurposePurchasingFlag": "Y",
        "SitePurposeProcurementCardFlag": "N",
        "SitePurposePrimaryPayFlag": null,
        "IncomeTaxReportingSiteFlag": false
      }
    ]
  }
}
```

}

Parameters and Business Object Fields				
<div><div>Add Parameter</div><div>Add Field</div><div>Add Field from Specification</div></div>				
Name	Data Type	Description	Is Parameter	Actions
Supplier	string	Supplier	true	 
SupplierNumber	string	SupplierNumber	true	 
AddressName	string	AddressName	true	 
AddressLine1	string	AddressLine1	true	 
SupplierSite	string	SupplierSite	true	 
ProcurementBU	string	ProcurementBU	true	 
SupplierAddressName	string	SupplierAddressName	true	 

Example usage.

Example Usages		
<div><div>+ Add</div></div>		
Description	Sample Payload	Actions
Supplier payload	<pre>{   "addresses": [     {       "items": [         {           "AddressName": "Stockholm-TCC-SE",           "CountryCode": "SE",           "AddressLine1": "Vasagatan 16",           "AddressPurposeOrderingFlag": "Y",           "AddressLine2": "101 27",           "AddressLine3": null,           "AddressLine4": null,           "City": "Stockholm",           "State": null,           "PostalCode": "101 27"         }       ]     },     {       "items": [         {           "SupplierSite": "SE06-SEK-PURCH",           "ProcurementBU": "Australia Business Unit",           "SupplierAddressName": "Stockholm-TCC-SE",           "SitePurposeSourcingOnlyFlag": "N",           "SitePurposePurchasingFlag": "Y",           "SitePurposeProcurementCardFlag": "N",           "SitePurposePrimaryPayFlag": null,           "IncomeTaxReportingSiteFlag": false         }       ]     }   ],   "Supplier": {     "SupplierNumber": "100772-52335",     "TaxOrganizationTypeCode": "CORPORATION",     "SupplierTypeCode": "SUPPLIER",     "BusinessRelationshipCode": "SPEND_AUTHORIZED",     "TaxRegistrationCountryCode": "SE"   } }</pre>	 

Tool for Supplier creation.



AA\_TOOL\_PRC\_SUPP\_CREATE

Tool Type

Business Object

Tool Name

AA\_TOOL\_PRC\_SUPP\_CREATE

Tool Code

AATOLPRCSUPPCREATE

Family

PRC

Product

Supplier

Description

Supplier creation

Filter and Add.

Add a business object

supp

X

Search by business object name ...

Family

Product

4 items

Name	Family	Product	Description
AA_SC	PRC	Supplier	Create supplier with minimal data
Item supply details	SCM	Inventory Management	Resource provides the inbound supply details fo
COE Suppliers	PRC	Supplier	This business object returns suppliers informati
AA_DEMO_SUPPLIER_CREATION	PRC	Supplier	Create supplier in ERP with minimal data.

Agent Team creation.

AA\_AGENT\_TEAM\_SUPP\_BO

Details

LLM

Questions

Security

Agent Team Name

AA\_AGENT\_TEAM\_SUPP\_BO

Agent Team Code

AAAGENTTEAMSUPPBO

Family

PRC

Product

Supplier

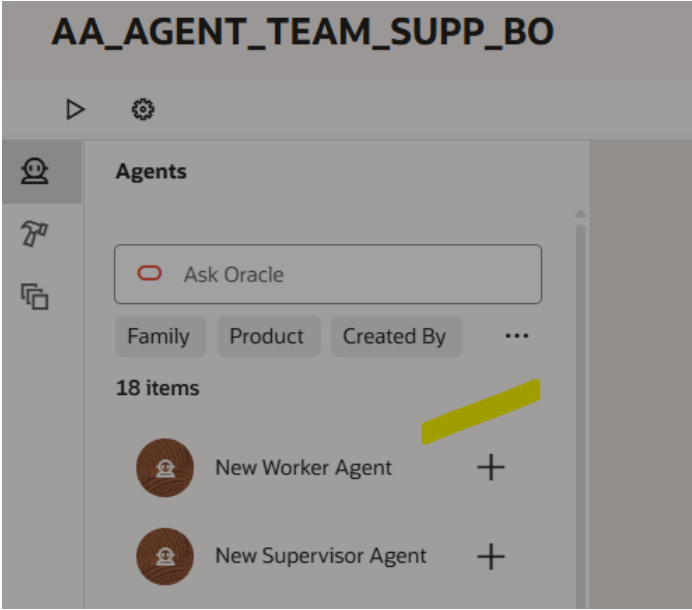
Maximum Interactions

10

Description

Create supplier

Add “New Worker Agent”.



Then fill in this data.

AA\_AGENT\_SUPP\_BO

Worker Agent

Details

LLM

Agent Name

AA\_AGENT\_SUPP\_BO

Agent Code

AAAGENTSUPPBO

Family

PRC

Product

Supplier

Maximum Interactions

10

Description

Create supplier

Prompt

Create supplier with this data as example:  
  
"Supplier": "KPMG 000003",  
"SupplierNumber": "100772-00003",  
"AddressName": "Stockholm-TCC-SE",  
"CountryCode": "SE",  
"AddressLine1": "Vasagatan 16",  
"SupplierSite": "SE06-SEK-PURCH",  
"ProcurementBU": "US1 Business Unit",  
"SupplierAddressName": "Stockholm-TCC-SE"

Cancel

Create

Prompt.

Create supplier with this data as example:

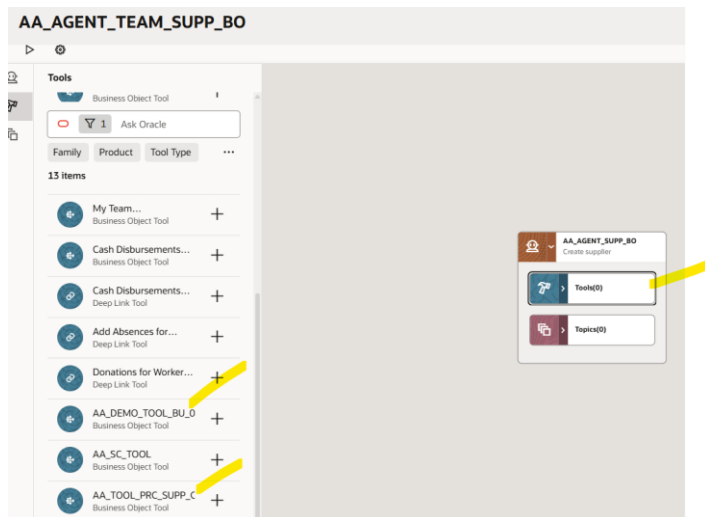
```

"Supplier": "KPMG 000003",
"SupplierNumber": "100772-00003",
"AddressName": "Stockholm-TCC-SE",
"CountryCode": "SE",
"AddressLine1": "Vasagatan 16",
"SupplierSite": "SE06-SEK-PURCH",
"ProcurementBU": "US1 Business Unit",
"SupplierAddressName": "Stockholm-TCC-SE"

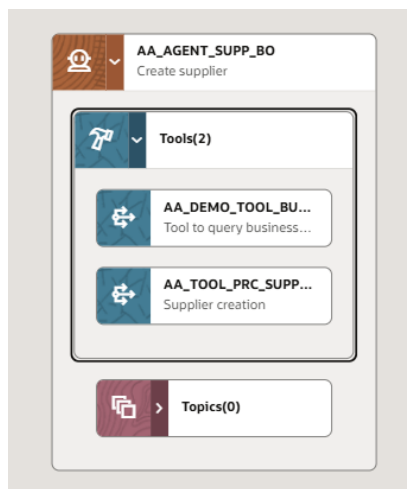
```

Note: there will be a chapter specific for “Prompts”.

To add tools, select on the right as shown, filter on the left and add using (+) Icon.

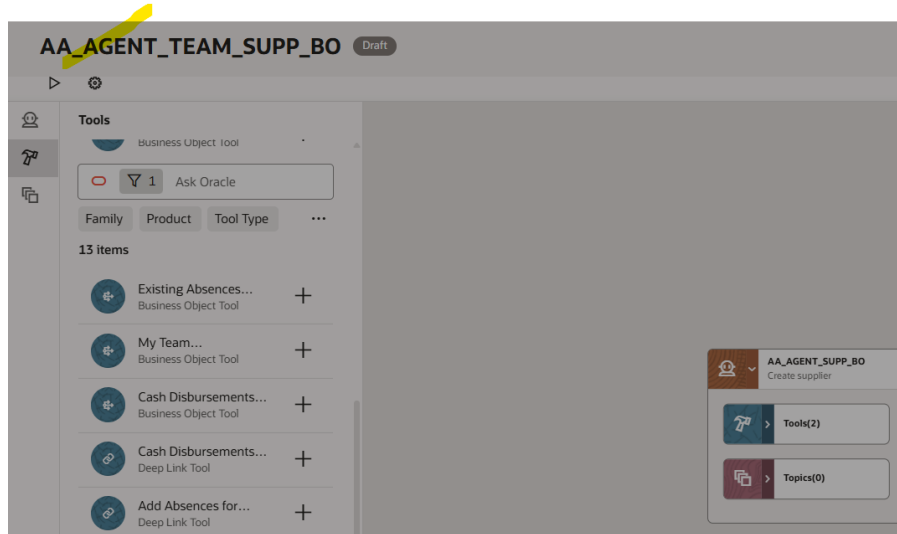


Result would be 2 selected tools as follows.



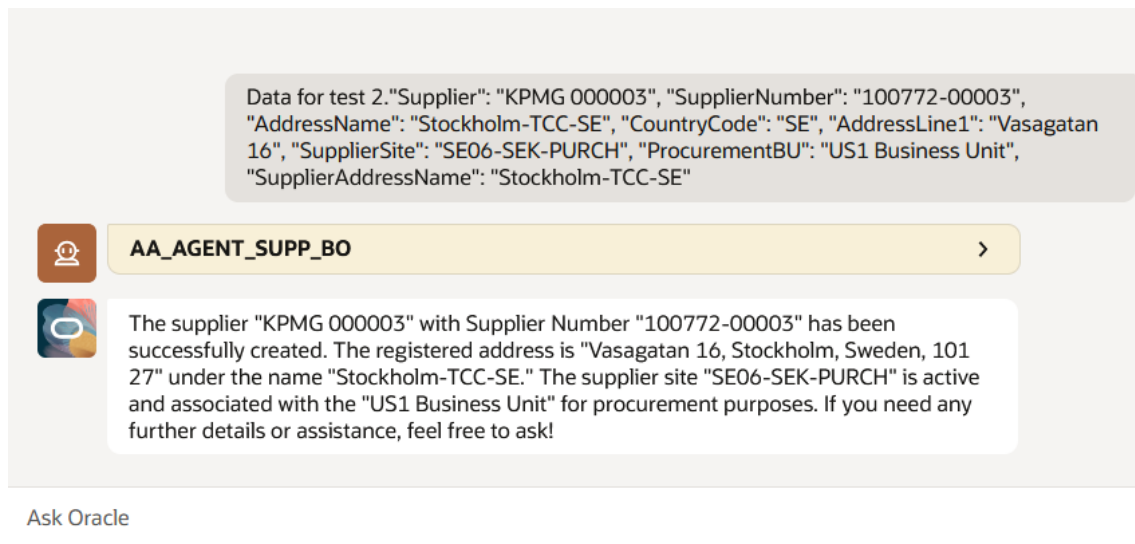
## Testing.

For testing click on triangle icon as shown.



Data for test.

```
"Supplier": "KPMG 000003",
"SupplierNumber": "100772-00003",
"AddressName": "Stockholm-TCC-SE",
"CountryCode": "SE",
"AddressLine1": "Vasagatan 16",
"SupplierSite": "SE06-SEK-PURCH",
"ProcurementBU": "US1 Business Unit",
"SupplierAddressName": "Stockholm-TCC-SE"
```



Notice the supplier and address are created in SaaS.

Overview **Supplier: KPMG 000003** x

Supplier: KPMG 000003 ? ★

Profile **Addresses** Sites Contacts Qualifications

View ▼ Format ▼ Freeze Wrap Status Active ▼

Address Name	Address
Stockholm-TCC-SE	Vasagatan 16,101 27,101 27 Stockholm,SWEDEN

Columns Hidden 5

Note: whatever the reason (roles, data access, etc.) in our instance we cannot see the sites created but they are created, as you can see using Postman:

GET https://fa-etaj-saasfademo1.ds-fa.oraclepdemos.com//fscmRestApi/resources/11.13.18.05/suppliers/300000316426017?e

Params Authorization Headers (10) Body Scripts Tests Settings

Query Params

<input checked="" type="checkbox"/> Key	Value	Description
<input checked="" type="checkbox"/> expand	all	
<input checked="" type="checkbox"/> onlyData	true	
Key	Value	Description

Body Cookies Headers (29) Test Results

{ } JSON Preview Visualize

```

155   "sites": {
156     "items": [
157       {
158         "SupplierSiteId": 300000316426028,
159         "SupplierSite": "SE06-SEK-PURCH",
160         "ProcurementBUId": 300000047826661,
161         "ProcurementBU": "Australia Business Unit",
162         "SupplierAddressId": 300000316426023,
163         "SupplierAddressName": "Stockholm-TCC-SE",
164         "InactiveDate": null,
165         "Status": "ACTIVE",
166         "SitePurposeSourcingOnlyFlag": false,
167         "SitePurposePurchasingFlag": true,
168         "SitePurposeProcurementCardFlag": false,

```

If we do not know the name of the business units, we can ask with our second Tool for procurement business units list.

show the list of business units

**AA\_AGENT\_SUPP\_BO**
>

The available business unit is the US1 Business Unit. If you need more information or assistance related to this unit, feel free to ask!

Ask Oracle

The answer from AI matches our test in Postman tool.

GET
https://fa-etaj-saasfademo1.ds-fa.oraclepdemos.com//fscmRestApi/resources/11.13.18.05/procurementBusinessUnitsLOV?onlyData=true

Params
Authorization
Headers (10)
Body
Scripts
Tests
Settings

Query Params

<input checked="" type="checkbox"/> Key	Value	Description
<input checked="" type="checkbox"/> onlyData	true	
Key	Value	Description

Body
Cookies
Headers (28)
Test Results
200 OK
7.6

{}
JSON
Preview
Visualize

```

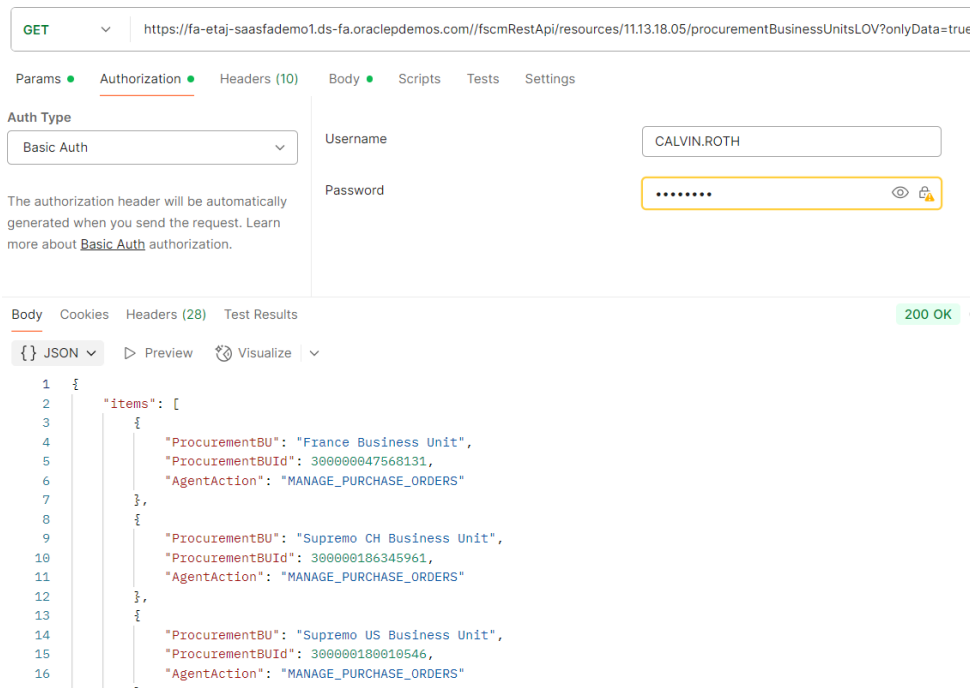
1  {
2    "items": [
3      {
4        "ProcurementBU": "US1 Business Unit",
5        "ProcurementBUId": 300000046987012,
6        "AgentAction": "MANAGE_PURCHASE_ORDERS"
7      }
8    ],
9    "count": 1,
10   "hasMore": false,
11   "limit": 25,
12   "offset": 0,
13   "links": [

```

**Notice the magic of the system**, all data is controlled in Saas with Security applied using roles, data access and other setup.

The user for testing can see only one Business Unit.

If we test with another we should see for example:



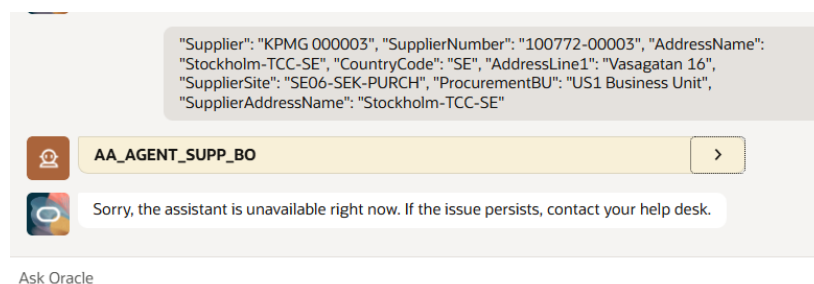
Another test for learning purposes, to know some debug basics.

We will use exactly the same payload.

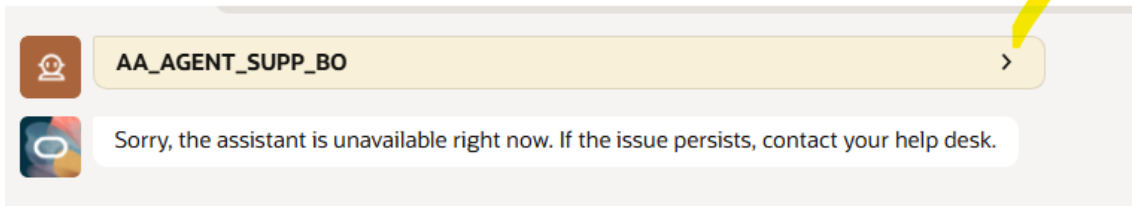
```

"Supplier": "KPMG 000003",
"SupplierNumber": "100772-00003",
"AddressName": "Stockholm-TCC-SE",
"CountryCode": "SE",
"AddressLine1": "Vasagatan 16",
"SupplierSite": "SE06-SEK-PURCH",
"ProcurementBU": "US1 Business Unit",
"SupplierAddressName": "Stockholm-TCC-SE"
  
```

Notice the answer does not give a clue of what is happening.

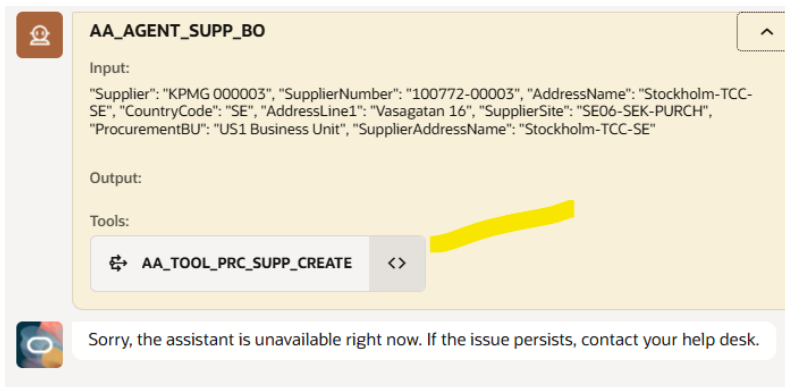


We would have to open as shown.



Ask Oracle

And expand to see the details.



Ask Oracle

Now we are able to know the reason for the rejection and fix the error.



Payload used is above.



## AA\_TOOL\_PRC\_SUPP\_CREATE

Input

```
{
  "serviceName": "FA",
  "resource_path": "/fscmRestApi/resources/11.13.18.05/suppliers",
  "operation_type": "POST",
  "headers": {},
  "query_dict": {},
  "body_template": {
    "Supplier": "KPMG 000003",
    "SupplierNumber": "100772-00003",
    "TaxOrganizationTypeCode": "CORPORATION",
    "SupplierTypeCode": "SUPPLIER",
    "BusinessRelationshipCode": "SPEND_AUTHORIZED",
    "TaxRegistrationCountryCode": "SE",
    "addresses": {
      "items": [
        {
          "AddressName": "Stockholm-TCC-SE",
          "CountryCode": "SE",
          "AddressLine1": "Vasagatan 16",
          "AddressPurposeOrderingFlag": "Y",
          "AddressLine2": "101 27",
          "City": "Stockholm",
          "PostalCode": "101 27"
        }
      ]
    },
    "sites": {
      "items": [
        {
          "SupplierSite": "SE06-SEK-PURCH",
          "ProcurementBU": "Australia Business Unit",
          "SupplierAddressName": "Stockholm-TCC-SE",
          "SitePurposeSourcingOnlyFlag": "N",
          "SitePurposePurchasingFlag": "Y",
          "SitePurposeProcurementCardFlag": "N",
          "IncomeTaxReportingSiteFlag": false
        }
      ]
    }
  }
}
```

**Conclusion.**

We are now able to create a supplier in SaaS using an Agent Team based on a tool of type Business Object.

Consider the demo for learning purposes as a brick to build something more complex and useful for your users.