Al Agent Studio demo.

Agent Team with Agent for tools of type "External REST".

Validations using "Descriptions" in parameters.

Introduction/Goal.

We will apply some validations in "Description" in our "External REST" Tool and see the effect in our chat.

Not tested yet, but we assume what is shown here is fully applicable in "Business Objects" Tools.

Preparatory steps.

We will use our previous chapter "AI_Fusion_Agent Create Supp REST OIC" as the basis for this one.

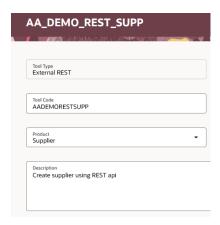
Some tips from Oracle documentation for parameters for "Function Parameter Description" have been of great help.

Include these details:

- Requirement: Is it 'required' or 'optional'?
- Format: e.g., "Enter date as 'MM/DD/YYYY'."
- Allowed Values: e.g., "Must be one of: 'ValueA','ValueB'."
- Constraints: e.g., "Title must be at least '10 characters' long."
- Default Value: Default values for fields

Al Agent Studio steps.

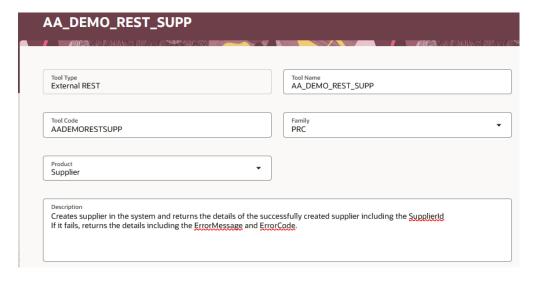
We had this basic "Description" in version 1 of our demo:



Now we will have this "Description":

Creates supplier in the system and returns the details of the successfully created supplier including the "SupplierId". If it fails, return the details.

If it fails, returns the details including the ErrorMessage and ErrorCode.



Now, let us play with parameter's descriptions.

These are the clues from Oracle documentation.

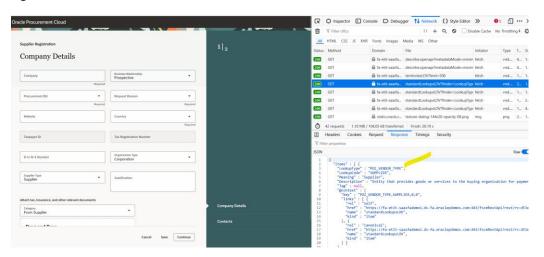
```
Include these details:
• Requirement: Is it 'required' or 'optional'?
• Format: e.g., "Enter date as 'MM/DD/YYYY'."
• Allowed Values: e.g., "Must be one of: 'ValueA','ValueB'."
• Constraints: e.g., "Title must be at least '10 characters' long."
• Default Value: Default values for fields
```

These are our parameters.

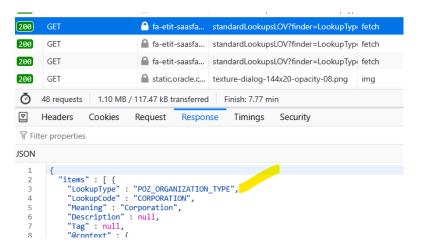
```
"TaxRegistrationCountryCode": "SE",
  "SupplierTypeCode": "SUPPLIER"
 "TaxOrganizationTypeCode": "CORPORATION",
 "Supplier": "KPMG 11123DD",
 "BusinessRelationshipCode": "SPEND AUTHORIZED",
  "SupplierNumber": "1007744"
}
```

We need to find the possible (list of) values for each of the 3 parameters, where to find them? Experience and some BI Publisher queries can help, but this trick has helped us to get this fast.

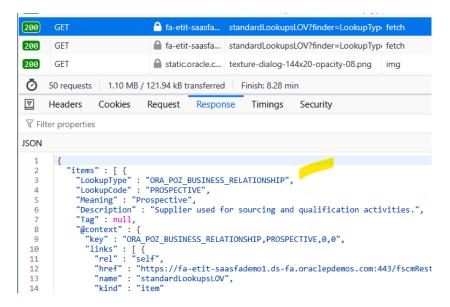
Go to the Redwood suppliers page, and simulate a creation, right click in page and select "Inspect" (similar in all browsers), now you could see the following, go to network tab on the right and search.



Sample: CONTRACTOR, SUPPLIER, SUB-CONTRACTOR.



Sample: CORPORATION, INDIVIDUAL, PARTNERSHIP.

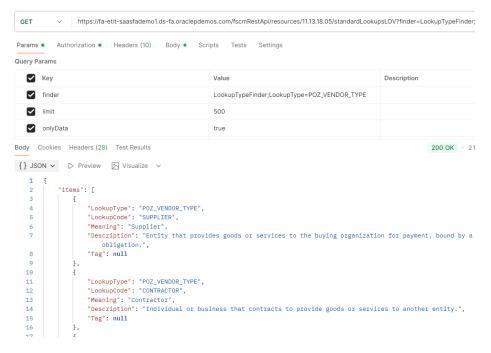


Sample: PROSPECTIVE, SPEND_AUTHORIZED.

You can also use Postman to get the information using these REST APIs.

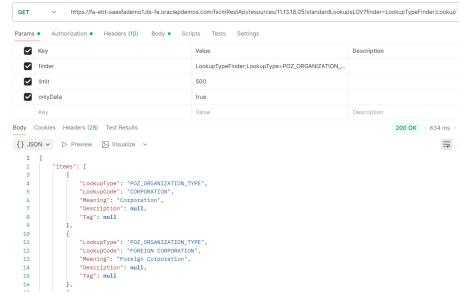
https://fa-xxxx-saasfademol.ds-

fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/standardLookupsLOV?finder=LookupTy peFinder;LookupType=POZ VENDOR TYPE&limit=500&onlyData=true



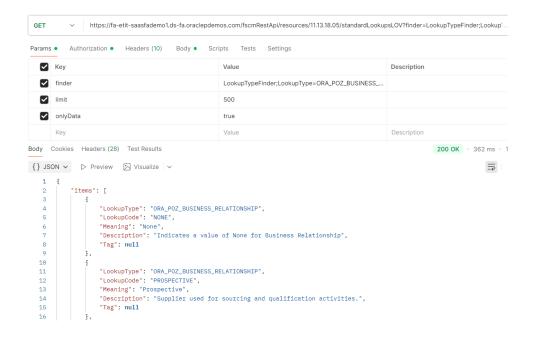
https://fa-xxxx-saasfademol.ds-

fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/standardLookupsLOV?finder=LookupTy peFinder;LookupType= POZ ORGANIZATION TYPE &limit=500&onlyData=true

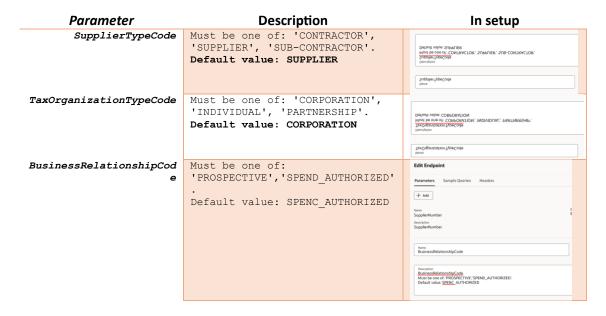


https://fa-xxxx-saasfademol.ds-

peFinder;LookupType= ORA_POZ_BUSINESS_RELATIONSHIP &limit=500&onlyData=true

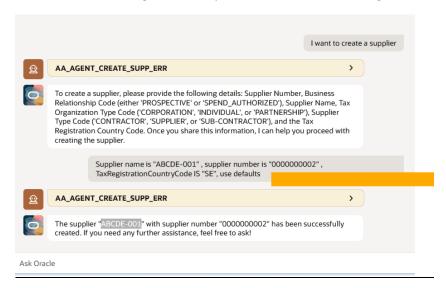


Let us summarize our planned "Descriptions".

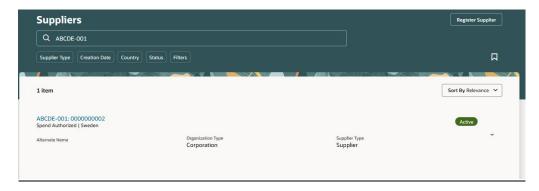


Testing 1.

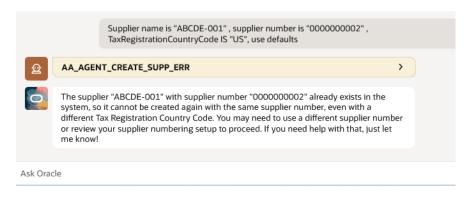
WOW!!! When testing, we already see the effect of our changes.



In SaaS we can query the supplier just created.



When we send the same supplier with different country.



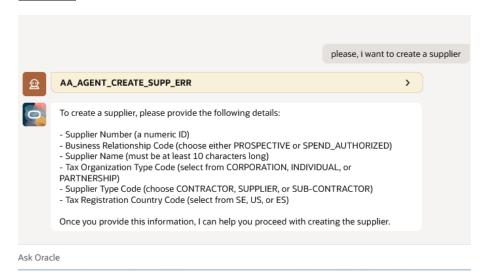
As you can see, we get the error message.

More controls.

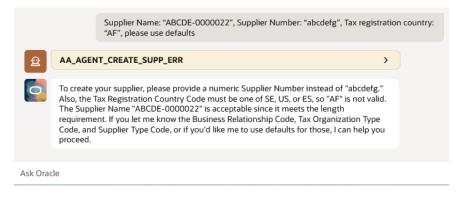
Parameter Description In setup



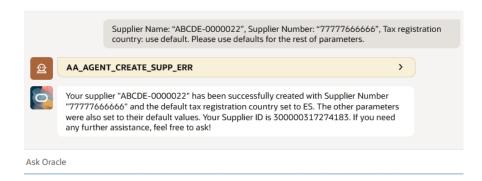
Testing 2.



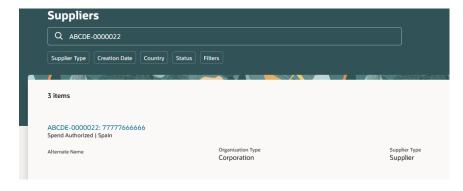
Supplier Name: "ABCDE-0000022", Supplier Number: "abcdefg", Tax registration country: "AF", please use defaults



Supplier Name: "ABCDE-0000022", Supplier Number: "777776666666", Tax registration country: use default. Please use defaults for the rest of parameters.



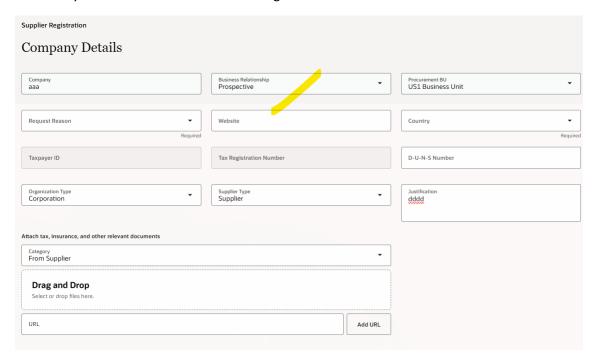
In SaaS we can query the supplier just created.



Now we are going to squeeze the lemon.

This field is OPTIONAL.

We will try to make it REQUIRED in our AI Agent team.



We will need to modify our OIC integration and the whole flow. We will learn a few things in the process, we will (try to) transform an optional field in suppliers Redwood page in required using AI features.

Changes summary in OIC.

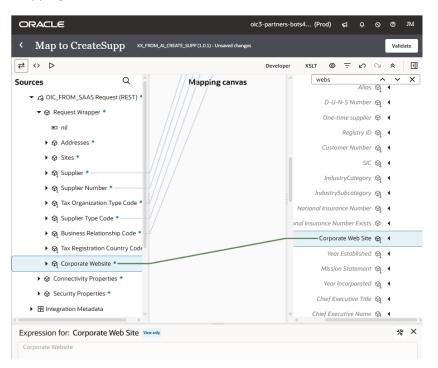
Request parameters.

```
Edit Request
REST trigger
Enter Sample JSON
           Postalcode : 101 27
       }]
     },
"sites":{

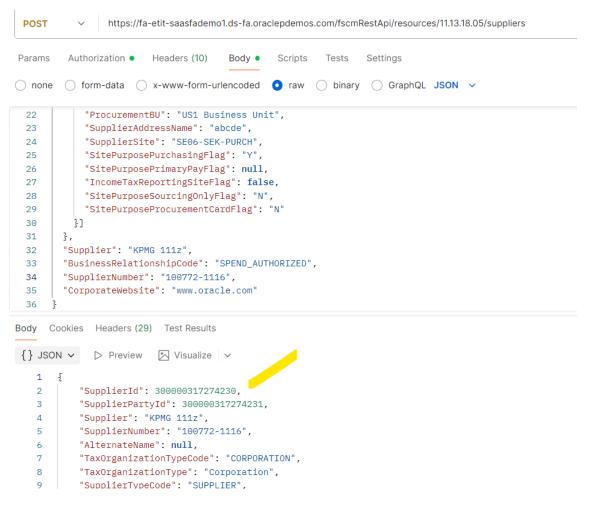
"items":[{

"SupplierSite": "SE06-SEK-PURCH",
"ProcurementBU": "US1 Business Unit",
"SupplierAddressName": "abcde",
"SitePurposeSourcingOnlyFlag": "N",
"SitePurposePurchasingFlag": "Y",
"SitePurposeProcurementCardFlag": "N",
"SitePurposePrimaryPayElag": null
          "SitePurposePrimaryPayFlag" : null,
          "IncomeTaxReportingSiteFlag": false\\
      },
"Supplier" : "KPMG 111",
      "SupplierNumber": "100772-111",
    "TaxOrganizationTypeCode": "CORPORATION",
"SupplierTypeCode": "SUPPLIER",
"BusinessRelationshipCode": "SPEND_AUTHORIZED",
"TaxRegistrationCountryCode": "SE",
"CorporateWebsite": null
      "CorporateWebsite": null
                                                                                                                                             Cancel Continue
```

Mapping.



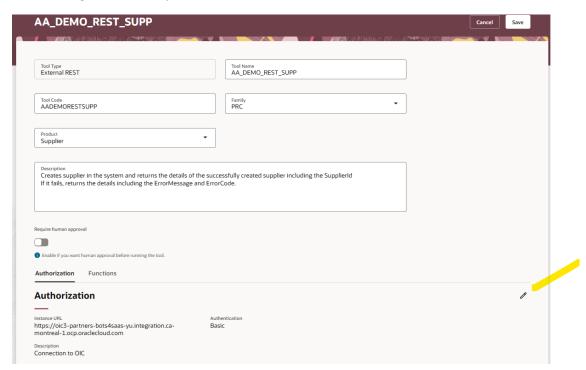
Postman testing.



OIC testing.

XX_FROM_AI_CREATE_SUPP (1.0.1) Configure and run Configure request properties, then run the integration and verify the response. Click here to read more. $/ic/api/integration/v1/flows/rest/XX_FROM_AI_CREATE_SUPP/1.0/$ Request URI parameters Headers Body cURL Integration properties ● Text ○ File "IncomeTaxReportingSiteFlag": false, "SitePurposeSourcingOnlyFlag": "N", "SitePurposeProcurementCardFlag": "N" 29 30 31 32 33 34 35 36 f) }, "Supplier": "KPMG 111zz", "BusinessRelationshipCode": "SPEND_AUTHORIZED", "SupplierNumber": "100772-1116z", "CorporateWebsite": "www.oracle.com" Response Status: 200 OK Instance ID: VcbmJZxqEfCN-Ccr5Gi5rg 4 Body Headers "ErrorCode" : "", "ErrorMessage" : "", "SupplierId" : 300000316461519

Now let us go with the AI part. Edit as shown.



And again, Edit as shown.

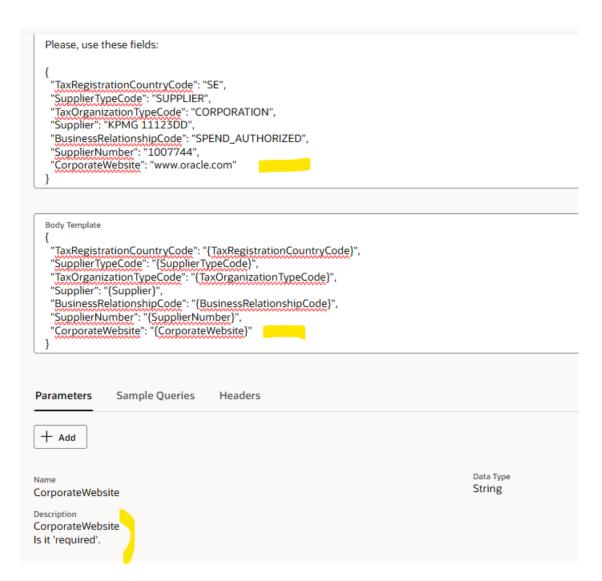


Not add the new parameter as shown.

```
Create supplier using REST api
 Please, use these fields:
   "TaxRegistrationCountryCode": "SE",
   "SupplierTypeCode": "SUPPLIER",
   "TaxOrganizationTypeCode": "CORPORATION", "Supplier": "KPMG 11123DD",
   "BusinessRelationshipCode": "SPEND_AUTHORIZED",
   "SupplierNumber": "1007744",
"CorporateWebsite": "www.oracle.com"
  Body Template
   "TaxRegistrationCountryCode": "{TaxRegistrationCountryCode}",
   "SupplierTypeCode": "{SupplierTypeCode}",
   "TaxOrganizationTypeCode": "{TaxOrganizationTypeCode}",
   "Supplier": "{Supplier}",
   "BusinessRelationshipCode": "{BusinessRelationshipCode}",
   "SupplierNumber": "{SupplierNumber}",
   "CorporateWebsite": "{CorporateWebsite}"
Parameters
                 Sample Queries
                                       Headers
```

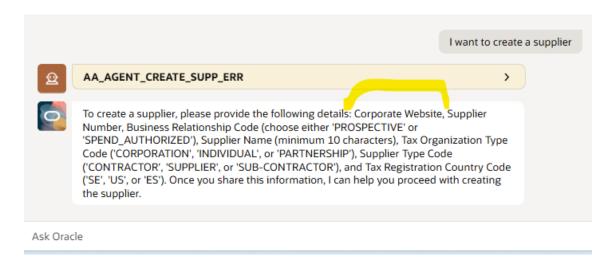
Add this parameter.

Notice the "Description", which will override the standard optionality with our REQUIRED hint.

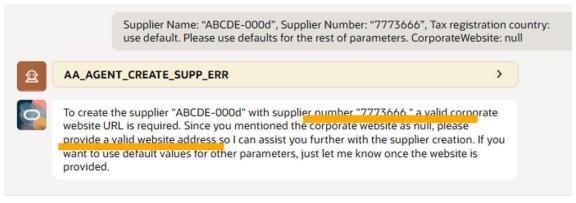


Sample query including new parameter.

Testing.



Supplier Name: "ABCDE-000d", Supplier Number: "7773666", Tax registration country: use default. Please use defaults for the rest of parameters. CorporateWebsite: null



Ask Oracle

Note: after some testing if CorporateWebsite is not sent, the supplier is created with a dummy website. For further investigation.

Conclusion.

Although this demo is not yet using "AI Prompts" we are learning to manage the chat and get boundaries for the user.

In our case we have learned:

- a) To provide list of valid values for parameters (3 list of values in our demo)
- b) To force a valid format (for supplier number)
- c) To force required values (further investigation needed for this, as supplier is created if no parameter is supplied)
- d) To force minimum length of parameter (vendor name)

Technical

Code example	Comments
XX_FROM_AI_CREATE_SUPP_01.00.0000.iar	Integration used in the demo in chapter "AI_Fusion_Agent Create Supp REST OIC"
XX_FROM_AI_CREATE_SUPP_01.00.0001.iar	Integration used in the demo, including the new parameter