


To perform a BI call to Data Model from OIC Environment and store the data in FTP Server :

1) Create a Data Model in Fusion cloud.

- a) Navigation : Click on Navigator () → Tools → Reports and Analytics → Browse catalog.
- b) Click on New and select Data Model.(I want to extract employee details in header and his assignments in lines)
 - i) For Data set click on + button and select SQL, and give name, Data source and type of SQL as standard and give the header Query.

```
SELECT ppn.first_name,  
       ppn.last_name,  
       papf.person_number,  
       to_char(papf.start_date,'DD/MM/YYYY') start_date,  
       papf.person_id  
From per_all_people_f papf, per_person_names_f ppn
```

Where

papf.person_number =: p_person_number

AND ppn.person_id = papf.person_id

AND ppn.name_type= 'US'

AND sysdate between papf.effective_start_date AND papf.effective_end_date.

- ii) Add another Data set, same way as above for generating lines.

```
SELECT paam.person_id,  
       action_code,  
       assignment_name,  
       paam.assignment_number,  
       to_char(paam.effective_start_date,'DD/MM/YYYY') assignment_start_date,  
       to_char(paam.effective_end_date,'DD/MM/YYYY') assignment_end_date  
FROM per_all_assignments_m paam  
where paam.primary_flag = "Y"  
order by trunc(paam.effective_start_date) desc.
```

After generating the above data set link the both, you can drag and drop

- iii) Since it has a parameter configure the parameter properties and you can also add List of Values for that parameter.

LOV Query :

```
SELECT papf.person_number from per_all_people_f papf
```

Where

sysdate between papf.effective_start_date and papf.effective_end_date.

2) Create an Integration with orchestration style as App Driven.

- a) Add a rest connection and give the operation as POST and select “configure request payload for this endpoint” and “configure this endpoint to receive response”.
- b) Give the request and response Json payloads in respective pages and click done.
- c) Add SOAP connection.
 - i) Give name and click next

- ii) In operation select run Data Model,
- iii) Click next and done.
- d) In mapping to Soap call .
 - i) On target side follow the navigation,
 - Body →runDataModel →reportRequest →parameterValues→name (parameter name).
 - Body →runDataModel →reportRequest →parameterValues→values→item(link parameter)
 - Body →runDataModel →reportRequest →reportAbsolutePath(Give the path of your DM)
 - Body →runDataModel →UserID
 - Body →runDataModel →password

Note : give the same parameter name used in Data Model Query.
- e) Add assign variable (x) and in value use *decodeBase64ToReference* advanced function and give reportBytes from the previous Soap call Response.
- f) Add a stage file to read the entire response from the previous step and give the xml file to generate the schema(you can download xml schema file from the Data Model → After viewing the data click on export xml file will be downloaded).
- g) After that add an FTP connection to write the data to a file and store it in FTP location.
 - i) Give name , in the operations give "Write File"
 - ii) Give the output Location and file name pattern
 - iii) And give the xml file(which we downloaded earlier) to generate the schema, click on next and done.
 - iv) In mapper map the response from the read Stage file element to the FTP element created now.