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.