

[Ask a Question](#) [Write a Blog Post](#)[Login](#)**Bharath Komarapalem**

February 21, 2014 | 14 minute read

BOPF Overview and Report development using BOPF framework

[Follow](#)

20 33 73,242

[Like](#)[RSS Feed](#)

I started working in SAP TM module (Version 8.1) 1 year back and we hardly find little help since we started working on it. My past experience enforced me to publish this blog which I hope it will definitely help developers to learn and understand how to retrieve the data by making use of Business objects based out in BOPF framework.

SAP TM has been developed using a set of new technologies that require skills that go beyond typical SAP Developments:

- Floor plan manager (based on Web Dynpro ABAP concept)
- BOPF – Business object processing framework
- BRF+ – Business Rules framework plus
- Adobe forms.

Apart from the above skills, it will always be an advantage if developer has knowledge on Process Integration (PI) and SAP NetWeaver Business client (NWBC).

These days SAP TM client base is getting increased quite significantly since then TM 9.0 had been released. I am sure most of the aspirants who started working on TM and BOPF might have lot of questions in the first experience. In this blog, I have presented how to make use of the standard methods QUERY, RETRIEVE and RETRIEVE BY ASSOCIATION to read the data and display it as report output.

Introduction to BOPF:

The Business Object Processing Framework is an ABAP OO-based framework that provides a set of generic services and functionalities to speed up, standardize, and modularize your development.

BOPF controls the application business logic as well as the data retrieval of the buffer and persistency layer. The main design principles are a clear separation of the business logic and the buffering of data as well as a clear structuring of the business logic into small parts with a clear separation of changing and checking business logic. The BOPF approach for implementing business objects breaks down business logic into the following four concepts:

- Actions
- Determinations
- Validations
- Queries

Examples for TM Business Objects are the Forwarding Order (TRQ) and Freight Order / Freight Booking (TOR).

Important transactions to note while working on BOPF:

/BOBF/CONF_UI: This transaction is used to display the modeling of the TM business objects. This is called as BOPF Modeling Tool.

/BOBF/CUST_UI: This transaction is used for launching the BOPF Enhancement workbench. This transaction is used for enhancing the standard business objects and for creating a new business objects.

/BOBF/TEST_UI: This transaction is used as a test environment. This transaction would help consultant (Either it is a functional or technical) to see the data of a particular Forwarding order or Freight order or Freight booking. I will explain in

detail in my next blog effective use of test environment.

Use Case for Report Development:

I would like to explain how to read the data from database using BOPF with below use case. This is based on one of the latest requirement from my customer (Leading Freight Forwarder) which I had developed.

Management is interested in tracking all the shipments (FWO's with charge calculation) out of which how many are created following the Forwarding agreement and how many are not? Therefore this report will help them to insist business users to ensure effective way of using agreements.

Unlike ABAP, here we follow a different approach in BOPF to retrieve the data from database. We are not going to write any select query; instead data is retrieved by calling the standard methods – QUERY, RETRIEVE and RETRIEVE BY ASSOCIATION depending on the relation between nodes in a business objects.

In this example, we are trying to display shipment (FWO) information, invoicing amount and Forwarding agreement. To achieve the expected results, we are going to access different business objects such as /SCMTMS/TRQ, /SCMTMS/CUSTFREIGHTINVREQ and /SCMTMS/TCC_TRNSP_CHRG. Relations between 2 business object nodes are associated via a direct, unidirectional and binary relationship.

Please find a report program below with code snippet for achieving the expected business requirement.

```
*&-----*
*& Report   ZTM_READ_TRQ_FAG
*&
*&-----*
*&Purpose: This report will help management to track the usage of Forwarding agreements
*&during invoicing for shipments created globally
*&Report output contain: Sales organization, Forwarding order, FWO Type, country, File
Number,
*&Order creation date, Invoice amount, agreement
*&-----*
```

REPORT ztm_read_trq_fag.

TABLES: /scmtms/d_trqrot.

***Data declaration

```
DATA:      ls_selpar          TYPE          /bobf/s_frw_query_selparam,
           lt_selpar          TYPE TABLE OF /bobf/s_frw_query_selparam,
           lt_trq_key         TYPE          /bobf/t_frw_key,
           lt_trq_root        TYPE          /scmtms/t_trq_root_k,
           ls_trq_root        LIKE LINE OF  lt_trq_root.
DATA:      ls_cfir_root        TYPE          /scmtms/s_cfir_root_node_k,
           lt_cfir_root        TYPE          /scmtms/t_cfir_root_node_k,
           lo_trq_srvmgr       TYPE REF TO  /bobf/if_tra_service_manager,
           lt_cfir_root_key    TYPE          /bobf/t_frw_key,
           ls_cfir_root_key    TYPE          /bobf/s_frw_key,
           lt_tcc_root         TYPE          /scmtms/t_tcc_root_k,
           lt_tcc_root_key     TYPE          /bobf/t_frw_key,
           ls_tcc_root_key     LIKE LINE OF  lt_tcc_root_key,
           ls_tcc_root         TYPE          /scmtms/s_tcc_root_k,
           lo_srvmgr_cfir      TYPE REF TO  /bobf/if_tra_service_manager,
           ls_tcc_charge_item  TYPE          /scmtms/s_tcc_chrgitem_k,
           lt_tcc_charge_item  TYPE TABLE OF /scmtms/s_tcc_chrgitem_k,
           lt_trq_cfir_link    TYPE          /bobf/t_frw_key_link,
           ls_trq_cfir_link    LIKE LINE OF  lt_trq_cfir_link,
           lv_chrg_it_assoc_key TYPE /bobf/obm_assoc_key.
```

TYPES: BEGIN OF ty_final,

```
    sales_org_id TYPE zforw_house,
    fileno       TYPE zfileno,
    trq_type     TYPE /scmtms/trq_type,
    fagrmntid044 TYPE /scmtms/fag_id,
    order_date   TYPE sydatum,
    amount       TYPE /scmtms/amount,
```

END OF ty_final.

```
DATA: ls_final TYPE ty_final,  
      lt_final TYPE TABLE OF ty_final.
```

```
FIELD-SYMBOLS: <fs_root>          LIKE LINE OF lt_cfir_root,  
               <fs_tcc_root_key>    TYPE /scmtms/s_tcc_root_k.
```

```
SELECT-OPTIONS: s_date  FOR syst-datum OBLIGATORY NO-EXTENSION,  
               s_org    FOR /scmtms/d_trqrot-sales_org_id OBLIGATORY NO INTERVALS.
```

****Get instance of service manager for TRQ**

```
lo_trq_srvmgr = /bobf/cl_tra_serv_mgr_factory=>get_service_manager( /scmtms/if_trq_c=>sc_bo_key  
 ).
```

```
CLEAR: ls_selpar, lt_selpar.  
ls_selpar-attribute_name = /scmtms/if_trq_c=>sc_node_attribute-root-order_date.  
MOVE-CORRESPONDING s_date TO ls_selpar.  
APPEND ls_selpar TO lt_selpar.
```

```
CLEAR: ls_selpar.  
DATA: ls_org LIKE LINE OF s_org[].
```

```
LOOP AT s_org[] INTO ls_org.  
  ls_selpar-attribute_name = /scmtms/if_trq_c=>sc_node_attribute-root-sales_org_id.  
  MOVE-CORRESPONDING ls_org TO ls_selpar.  
  APPEND ls_selpar TO lt_selpar.  
  CLEAR: ls_selpar, ls_org.  
ENDLOOP.
```

*****Here we can not call RETRIEVE method because we do not have TRQ node keys on hand.**

*****For this requirement it is recommended to call QUERY since RETRIEVE does not aligned with the selection screen parameters**

```
CLEAR: lt_trq_key, lt_trq_root.  
lo_trq_srvmgr->query(
```

```

EXPORTING
  iv_query_key          = /scmtms/if_trq_c=>sc_query-root-query_by_attributes
  it_selection_parameters = lt_selpar
  iv_fill_data          = abap_true
IMPORTING
  et_data              = lt_trq_root
  et_key               = lt_trq_key ).

**If no data exist in database table then raise error message.
IF lt_trq_key IS NOT INITIAL.
  CLEAR: lt_cfir_root, lt_trq_cfir_link.
  lo_trq_srvmgr->retrieve_by_association(
    EXPORTING
      iv_node_key          = /scmtms/if_trq_c=>sc_node-root           " Node Name
      it_key               = lt_trq_key                             " Key Table
      iv_association       = /scmtms/if_trq_c=>sc_association-root-cfir_root " Name of
    Association
      iv_fill_data        = abap_true
    IMPORTING
      et_data             = lt_cfir_root      " Data Return Structure
      et_key_link         = lt_trq_cfir_link
  ).

  LOOP AT lt_cfir_root ASSIGNING <fs_root>.
    ls_cfir_root_key-key = <fs_root>-key.
    INSERT ls_cfir_root_key INTO TABLE lt_cfir_root_key.
    CLEAR: ls_cfir_root_key.
  ENDLOOP.

  IF lt_cfir_root_key IS NOT INITIAL.

    lo_srvmgr_cfir = /bobf/cl_tra_serv_mgr_factory=>get_service_manager(
      /scmtms/if_custfreightinvreq_c=>sc_bo_key ).

```

```

CLEAR: lt_tcc_root.
  lo_srvmgr_cfir->retrieve_by_association(
    EXPORTING
      iv_node_key      = /scmtms/if_custfreightinvreq_c=>sc_node-trnspcharges
      it_key            = lt_cfir_root_key
      iv_association    = /scmtms/if_custfreightinvreq_c=>sc_association-root-trnspcharges
      iv_fill_data      = abap_true
    IMPORTING
      et_data          = lt_tcc_root ).
ENDIF.

```

```

CLEAR: ls_tcc_root_key.
LOOP AT lt_tcc_root ASSIGNING <fs_tcc_root_key>.
  ls_tcc_root_key-key = <fs_tcc_root_key>-key.
  INSERT ls_tcc_root_key INTO TABLE lt_tcc_root_key.
  CLEAR: ls_tcc_root_key.
ENDLOOP.

```

IF lt_tcc_root_key IS NOT INITIAL.

* Get Charge Item node key and Charge<->Charge Item Association key

```
CALL METHOD /scmtms/cl_common_helper=>get_do_keys_4_rba
```

```
EXPORTING
```

```

  iv_host_bo_key      = /scmtms/if_custfreightinvreq_c=>sc_bo_key
  iv_host_do_node_key = /scmtms/if_custfreightinvreq_c=>sc_node-trnspcharges
  iv_do_node_key      = /scmtms/if_tcc_trnsp_chrg_c=>sc_node-chargeitem
  iv_do_assoc_key     = /scmtms/if_tcc_trnsp_chrg_c=>sc_association-root-chargeitem

```

```
IMPORTING
```

```
  ev_assoc_key      = lv_chrg_it_assoc_key.
```

*& -> Get the DO transportcharges chargeitem data ...

*&_____

```

CALL METHOD lo_srvmgr_cfir->retrieve_by_association
  EXPORTING

```

```

iv_node_key      = /scmtms/if_custfreightinvreq_c=>sc_node-trnspcharges
iv_association   = lv_chrg_it_assoc_key
it_key           = lt_tcc_root_key
iv_fill_data     = abap_true
IMPORTING
et_data          = lt_tcc_charge_item.

ENDIF.
ENDIF.

CLEAR: ls_trq_root, ls_trq_cfir_link, ls_cfir_root, ls_tcc_charge_item, ls_tcc_root, ls_final.
LOOP AT lt_trq_root INTO ls_trq_root.
  LOOP AT lt_trq_cfir_link INTO ls_trq_cfir_link WHERE source_key = ls_trq_root-key.
    READ TABLE lt_cfir_root INTO ls_cfir_root WITH KEY key = ls_trq_cfir_link-target_key
    BINARY SEARCH.
    IF sy-subrc EQ 0.
      READ TABLE lt_tcc_charge_item INTO ls_tcc_charge_item WITH KEY root_key = ls_cfir_root-
      key BINARY SEARCH.
      IF sy-subrc EQ 0.
        ls_final-fileno      = ls_trq_root-zfileno.
        ls_final-sales_org_id = ls_trq_root-sales_org_id.
        ls_final-trq_type    = ls_trq_root-trq_type.
        ls_final-fagrmntid044 = ls_tcc_charge_item-fagrmntid044.
        ls_final-order_date  = ls_trq_root-order_date.

      READ TABLE lt_tcc_root INTO ls_tcc_root WITH KEY root_key = ls_cfir_root-key BINARY SEARCH.
      IF sy-subrc EQ 0.
        ls_final-amount = ls_tcc_root-rnd_net_amount.
      ENDIF.
      APPEND ls_final TO lt_final.
    ENDIF.
  ENDIF.
ENDIF.
CLEAR: ls_final, ls_cfir_root, ls_tcc_charge_item, ls_trq_cfir_link.

```



```

ENDLOOP.
CLEAR: ls_trq_root.
ENDLOOP.

```

```

SORT lt_final BY sales_org_id ASCENDING fagrmntid044 order_date DESCENDING.

```

```

PERFORM display_grid_output.
*&-----*
*&      Form  DISPLAY_GRID_OUTPUT
*&-----*
*      text
*-----*
*  ->  p1      text
*  <-  p2      text
*-----*
FORM display_grid_output .

```

```

TYPES : BEGIN OF ty_message,
        row          TYPE i,
        partner(30) TYPE c,
        msg_type     TYPE char20,
        message(100) TYPE c,
      END OF ty_message.

```

```

DATA: t_fieldcat TYPE slis_t_fieldcat_alv WITH HEADER LINE.

```

```

t_fieldcat-col_pos    = '1'.
t_fieldcat-fieldname  = 'SALES_ORG_ID'.
t_fieldcat-seltext_1  = 'House'.
t_fieldcat-outputlen  = '15'.
APPEND t_fieldcat.

```

```

t_fieldcat-col_pos    = '2'.
t_fieldcat-fieldname  = 'FILENO'.

```

```
t_fieldcat-seltext_1 = 'File Number'.  
t_fieldcat-outputlen = '20'.  
APPEND t_fieldcat.
```

```
t_fieldcat-col_pos    = '3'.  
t_fieldcat-fieldname = 'TRQ_TYPE'.  
t_fieldcat-seltext_1 = 'File Type'.  
t_fieldcat-outputlen = '10'.  
APPEND t_fieldcat.
```

```
t_fieldcat-col_pos    = '4'.  
t_fieldcat-fieldname = 'FAGRMNTID044'.  
t_fieldcat-seltext_1 = 'Aggreement'.  
t_fieldcat-outputlen = '30'.  
APPEND t_fieldcat.
```

```
t_fieldcat-col_pos    = '5'.  
t_fieldcat-fieldname = 'ORDER_DATE'.  
t_fieldcat-seltext_1 = 'Order creation Date'.  
t_fieldcat-outputlen = '20'.  
APPEND t_fieldcat.
```

```
t_fieldcat-col_pos    = '6'.  
t_fieldcat-fieldname = 'AMOUNT'.  
t_fieldcat-seltext_1 = 'Amount'.  
t_fieldcat-outputlen = '15'.  
APPEND t_fieldcat.
```

```
CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'  
  EXPORTING
```

```
    i_callback_program = 'ZTM_READ_TRQ_FAG'  
*    i_grid_title       = lw_title  
    it_fieldcat         = t_fieldcat[]  
*    is_layout          = ls_layout
```

```
TABLES
  t_outtab          = lt_final
EXCEPTIONS
  program_error     = 1
  OTHERS            = 2.

ENDFORM.          " DISPLAY_GRID_OUTPUT
```

Hope now you have got a basic idea of how to retrieve the data in BOPF environment. In my further blogs, I would like to present troubleshooting and analyzing the critical issues during support and tips and tricks during Development phase.

Appreciate your comments if any better way of doing it.

When I started working on BOPF initially, this is one of the blog series and Enhancement guide document (Links pasted below) which had helped me to understand what BOPF is – .

<http://scn.sap.com/community/abap/blog/2013/01/04/navigating-the-bopf-part-1-getting-started>

<http://scn.sap.com/docs/DOC-32985>

Thanks to James Wood and thanks to Holger.

Alert Moderator

Assigned Tags

SAP Transportation Management

bopf

bopf basics

bopf training

Similar Blog Posts



BOPF navigate through objects in SAP TM

By Silvio Hey Jun 11, 2018

TM BOPF Intro Videos for Beginners

By Petra Hunger Feb 25, 2016

[BOPF Test Environment – Transaction: /BOBF/TEST_UI](#)

By Bharath Komarapalem Mar 04, 2014

Related Questions



[BOPF](#)

By Former Member Sep 01, 2011

[I need the role to enhance BOPF](#)

By Andreas Hanke Sep 02, 2013

[Multiple Retrieve and Retrieve By Association calls in BOPF](#)

By Bharath Komarapalem Apr 29, 2013

20 Comments

You must be [Logged on](#) to comment or reply to a post.



Former Member

February 21, 2014 at 6:03 pm

Thanks for sharing!!

Like 0 | Share



Former Member

February 21, 2014 at 6:50 pm

There is huge lack of knowledge in Brazil on BOPF! I've attended a meeting with some TM customers in Brazil this morning and the main discussion was about it.

Thanks for sharing!

Like 1 | Share



Tarun Kumar

April 9, 2014 at 5:26 am

Hi Eduardo,

I was supposed to travel to Brazil to give a BOPF detail session to a customer but it was cancelled by the customer because of time crunch in their project.

Anyways, let's see if it comes in future.

Thanks & Regards,

Tarun Kumar

Like 0 | Share



Former Member

April 9, 2014 at 12:31 pm

Nice to know!

By the way.. we started to organize an Inside Track in South Brazil and would be really great to have a session about BOPF! I'll let you know.

Tks

Eduardo Chagas

Like 0 | Share



Former Member

February 25, 2014 at 8:10 pm

Thank you very much for information...very useful.

Like 0 | Share



Former Member

April 2, 2014 at 1:08 pm

Do we have to write code at the implementation of class created at the time of custom query.

If I want only internal table `lt_trq_key` to be filled, what should i write inside the implementation?

Like 0 | Share

**Jane Cruz**

April 8, 2014 at 8:26 pm

Hi Bharath,

Currently, I need to read TEXT_CONTENT nodes but I am confused and I haven't been able to do it. I already read /SCMTMS/TOR nodes and TEXTCOLLECTION keys... you know how to do it?

I tried with `lo_srvmgr_txt_coll = /bobf/cl_tra_serv_mgr_factory=>get_service_manager(/bobf/if_txc_c=>sc_bo_key)`.

but it gets a dump...

Regards 😊

Business Object Builder: Test

/SCMTMS/TOR

Node Instances

- STOP_SUCC_MAINLEG_FIRST
- STOP_SUCC_MAINLEG_LAST
- ▶ SUMMARY
- TAL_BUCKET
- TAL_BUCKET_LOAD
- ▶ TENDERING
- ▼ **TEXTCOLLECTION**
 - 005056C000081EE3AFCD9D7D83563840
 - ▼ **TEXT**
 - 005056C000081EE3AFCD9D7D8357D840
 - ▼ **LANGUAGE_LIST_TEXT**
 - 005056C000081EE3AFCD9D7D8357D840
 - LANGUAGE_LIST_TEXT
 - ▼ **TEXT_CONTENT**
 - 005056C000081EE3AFCD9D7D8357F840

123-abc-def

Like 0 | Share



Former Member

April 8, 2014 at 8:49 pm

hi Jane.

The reason for the dump is: text collection is a dependent node DO -> it does not exist on it own -> it is part of BO where it is integrated (dynamically). No special service manager is allowed. You need to access the DO via the parent BO Service manager.

There is a dynamic mapping of node keys. It is only one method call. If you search in standard coding, you will find some examples.

So after such mapping of keys, you can use this node like a standard node of BO. It is a little bit complicated about DOs, however after first time you get used to it.

BR

Rajiv

Like 1 | Share



Tarun Kumar

April 9, 2014 at 4:45 am

Hi Jane,

If you have TEXTCOLLECTION keys you can use

/scmtms/cl_common_helper=>get_do_entity_key to get the RUNTIME node & association keys of TEXT_CONTENT node and then you need to fire a retrieve by association on this nodes using TOR service manager. You will get the data without any dump.

Thanks & Regards,

Tarun Kumar

Like 0 | Share



Jane Cruz

April 9, 2014 at 12:28 pm

Hi Tarun,

I reviewed the standard as suggested Rajiv, and its correct that you say.. 😊

I used a combination of methods to retrieve the keys and content.

Now there are no dumps

lo_srvmgr->retrieve_by_association and

/scmtms/cl_common_helper=>get_do_keys_4_rba

Thank you both, appreciate your help 😊

Regards

Like 0 | Share



Former Member

April 9, 2014 at 12:31 pm

Hi Jane,

you are welcome.

Like 0 | Share



Former Member

April 9, 2014 at 12:34 pm

Hi Jane

Please I'd ask you to create a thread instead to post questions in a blog/document. It is better to find if someone is facing the same issue.

Thank you

Eduardo Chagas

Like 0 | Share



Jane Cruz

April 9, 2014 at 12:55 pm

Hi Eduardo,

You're right, I'll create a post with the solution to my problem.

Regards

Like 0 | Share



karthick Jeevanandham

August 24, 2020 at 5:12 am

Hello Jane,

Could you please share the solution for this problem?

Like 0 | Share



Former Member

May 28, 2014 at 6:17 pm

Hi All,

I am new to SAP TM development.. We have got a new system (SAP TM) and our functional has done the basic configuration.. Waiting for the PI/XI box to be given for connecting with ECC.. Mean while i would like to know the difference between seeing the transactions in sap tm system and logging with NWBC..

We have created a Freight booking and freight order through NWBC..

I am not able to figure out in which table the freight orders and freight bookings are stored.

I did not find any entry in any of the tables

Why cant we create any transactions in SAP TM system directly...

Can any one let me know how a technical person scope of work differs in TM system with that of NWBC and TM system..

Do we also do coding in NWBC or its always in the TM system.

I saw that certain transactions only execute through NWBC where as they are not valid in TM system.

How different would be the initial set up of master data and creating some transactions.

Kindly help,

Amar

Like 0 | Share



Bharath Komarapalem | Blog Post Author

May 28, 2014 at 9:06 pm

Hi amar,

Please create a new post or ask a question via thread.

Eduardo has already commented about the same.

thanks for taking note.

thanks,

bharath.

Like 0 | Share

Venkatesh Tharimela



September 4, 2015 at 12:50 pm

Hi Baharath,

I could not able to see the node CFIR_ROOT in the node hierarchy of the TRQ business object ..but it is there a key for the CFIR_ROOT node in the constant interface of the BO.

```

lo_trq_srvmgr->retrieve_by_association(
  EXPORTING
    iv_node_key          = /scmtms/if_trq_c=>sc_node-root          " Node
    it_key               = lt_trq_key                             " Key
    iv_association       = /scmtms/if_trq_c=>sc_association-root-cfir_root " Name
    iv_fill_data         = abap_true
  IMPORTING
    et_data              = lt_cfir_root    " Data Return Structure
    et_key_link          = lt_trq_cfir_link
  .

```

Like 0 | Share



Former Member

October 27, 2017 at 8:38 am

Hello All,

Here is a code I have written for some solman development i am doing. When I pass iv_fill_data = abap_true. I get a dump. Can you help me why is this behaviour in my custom report.

TRY.

APPEND VALUE #(attribute_name = 'TPLN_ID'

sign = co_inclusive

option = co_equals

low = 'DEMO_TESTPLAN2') TO lt_selection_parameters.

so_service_manager->query(

EXPORTING

iv_query_key = if_smt_test_plan_c=>sc_query-root-select_by_elements

it_selection_parameters = lt_selection_parameters

*** iv_fill_data = abap_true --- Throws dump when I pass 'X'.

is_query_options = VALUE #(maximum_rows = 250)

IMPORTING

eo_message = DATA(lo_message)

et_data = lt_root

et_key = DATA(lt_key)).

CASE lo_message->check().

WHEN abap_true.

MESSAGE text-m01 TYPE co_error.

WHEN abap_false.

MESSAGE text-m02 TYPE co_information.

IF lt_key IS NOT INITIAL.

ENDIF.

ENDCASE.

CATCH /bobf/cx_frwr INTO DATA(lx_frwr).

MESSAGE lx_frwr TYPE co_error.

ENDTRY.

Like 0 | Share

**DILIP KUMAR KODIPALLI**

December 23, 2019 at 2:48 am

Hi Bharat,

Could you please provide any ABAP=BOPF videos ? Please share. Thank you.

Kind Regards

Dilip Kumar K

Like 0 | Share

**Dhiraj More**

April 1, 2020 at 3:47 pm

Hi All,

I just started to work with Transportation management. My Requirement is to create mobile application to track the vehicle and deliveries. It consists of multiple screens and I was confused how should I designed my OData service. Since TM is based on standard BOPF we are thinking of reusing this existing BOPF to get the data and other operations. I was thinking of going with creation of entities manually and calling different BOPF by instantiating in respective methods for entities in DPC_EXT.

I just want to make sure if this is the right approach or is there any other way of doing it.

Thanks,

Dhiraj M

Like 0 | Share

Find us on

Privacy	Terms of Use
Legal Disclosure	Copyright
Trademark	Cookie Preferences
Newsletter	Support