

Activating the Standard BI Report



Applies to:

SAP BI and R/3 Source System. For more information, visit the [Business Intelligence homepage](#).

Summary

The article gives step-by-step procedure of activating standard BI Report .

Author: Vivek Jain

Company: L&T Infotech

Created on: 16 November 2009

Author Bio

Vivek Jain has been working with L&T infotech for last 2.5 years and has worked on BI and ABAP Objects.

Table of Contents

Introduction	3
Prerequisites	3
Benefits	3
Objects Available as Standard BI Content	3
Steps for Activation	4
DataSource Activation.....	4
BI Object Activation.....	6
Data Loading and Reporting	12
Related Content.....	16
Disclaimer and Liability Notice.....	17

Introduction

BI Standard Report activation is the process of leveraging the standard objects/features provided by SAP in delivered version.

Prerequisites

Before implementing BI standard content makes sure you have proper R3 connection. And all the relevant master data is uploaded into the BI system

Benefits

- Readily available.
- Customizing effort is reduced.
- Cost effective.
- Tested and fully supported by SAP

Objects Available as Standard BI Content

- R/3 extractor programs
- Data Sources
- Process chains
- InfoObjects
- InfoSources
- Data targets (InfoCubes and ODS objects)
- Variables
- Data mining models
- Queries
- Workbooks
- Crystal Reports
- Web templates
- Roles

Steps for Activation

We will show a step-by-step activation of a standard report.

Here for example we have taken a report 0PAOS_C01_Q005 (Vacant Positions Expressed as FTE: Quarterly Comparison) for activation to explain you the process.

DataSource Activation

1. Report belongs to the cube 0PAOS_C01. We have to go to [BI Content](#) and put cube name in search box and click on infocube filter.

The screenshot shows the SAP NetWeaver 7.0 BI Content search interface. The search box contains '0PAOS_C01'. The search results show one hit: 'Staffing Assignments - highlight' with a 70% relevance score. The technical name is '0PAOS_C01... The InfoCube Staffing Assignments (0PAOS_C01) contains all of'. The release is 7.0. The 'Narrow by Info-Class' table shows the following results:

Info-Class	Hits
WORKBOOK	13 hits
QUERY	13 hits
BACKGROUND	6 hits
INFOCUBE	1 hits

2. Click on displayed link and read the documentation and check for the infosource required for the cube in this case its 0HR_PA_OS_1. And check it's based on which data-source in R3. In our case its 0HR_PA_OS_1.

Staffing Assignments (Transaction Data)

Technical Name: 0HR_PA_OS_1

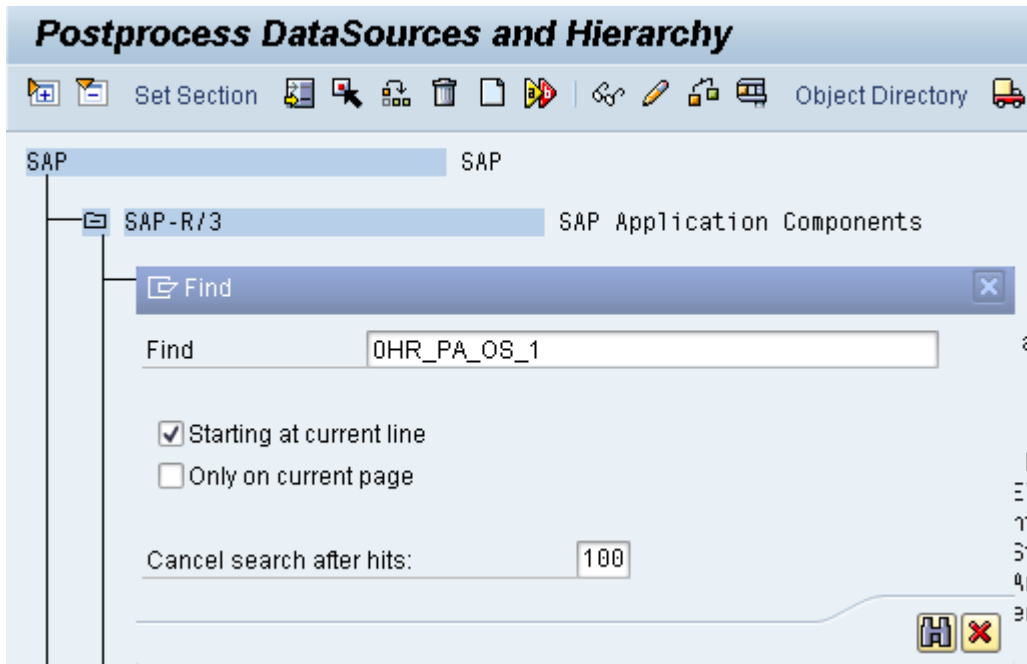
Based on DataSource: [0HR_PA_OS_1](#)

Use

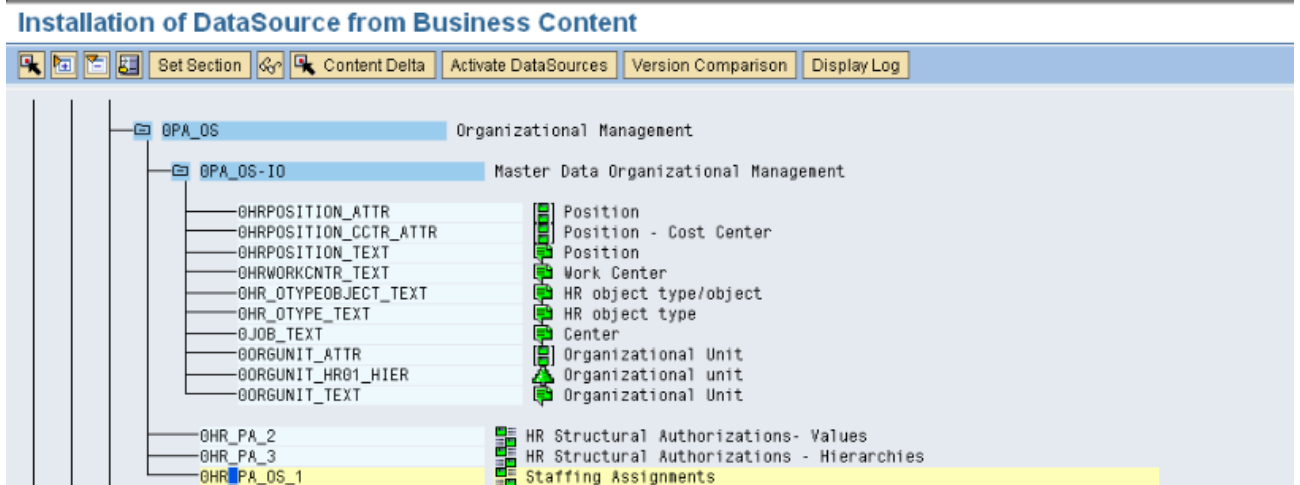
This InfoSource gives you information about staffing assignments within the organizational plan.

Note: For some specific cubes/modules the R/3 data source activation part may differ (example Inventory, CO-PA). Please refer to Sap Documentation for detailed explanation.

3. Login to R3 system and execute tcode RSA6 and search for the data source OHR_PA_OS_1.

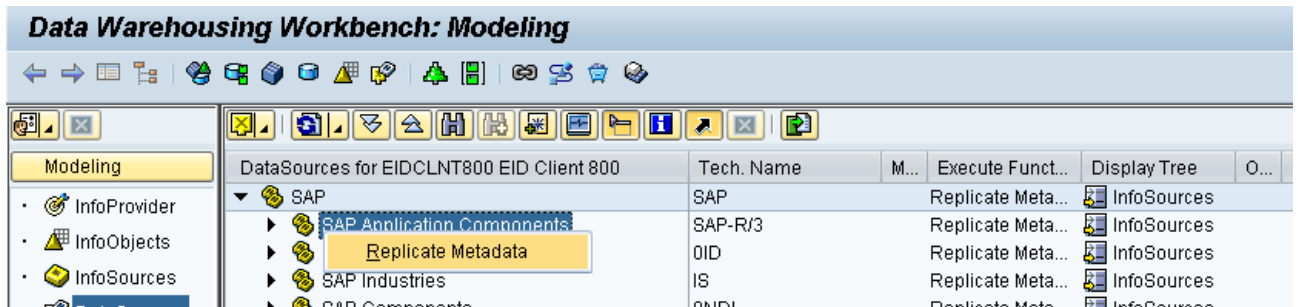


If the data source is not available in RSA6 then go to RSA5 and activate the data source using the 'Active Datasources' Button as shown.

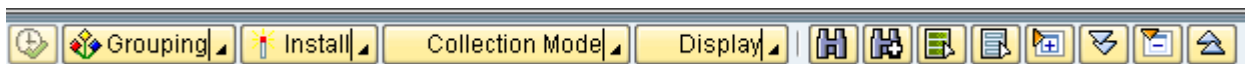


BI Object Activation

4. Login to BI server and execute tcode RSA1 and under modeling tab click on datasource and right click on sap application component(SAP-R/3) and replicate metadata. After replicating the metadata we can see datasource in active version.



5. Before activating objects we have to review toolbar for the activation process. In our case we have selected *Only Necessary Object* as *Grouping Option* and *collection option* as *automatic*.



- a. Grouping option:

Grouping Option	Description
Only Necessary Objects (default setting)	Only those objects that are really required for the action (copying or transporting the selected objects) are taken into account (minimal selection).
Data Flow Before	The objects that pass data to a collected object are collected..
Data Flow Afterwards	The objects that receive data from a collected object are collected.
In Data Flow Before and Afterwards	All objects that pass or receive data are collected..

- b. Type of Install:

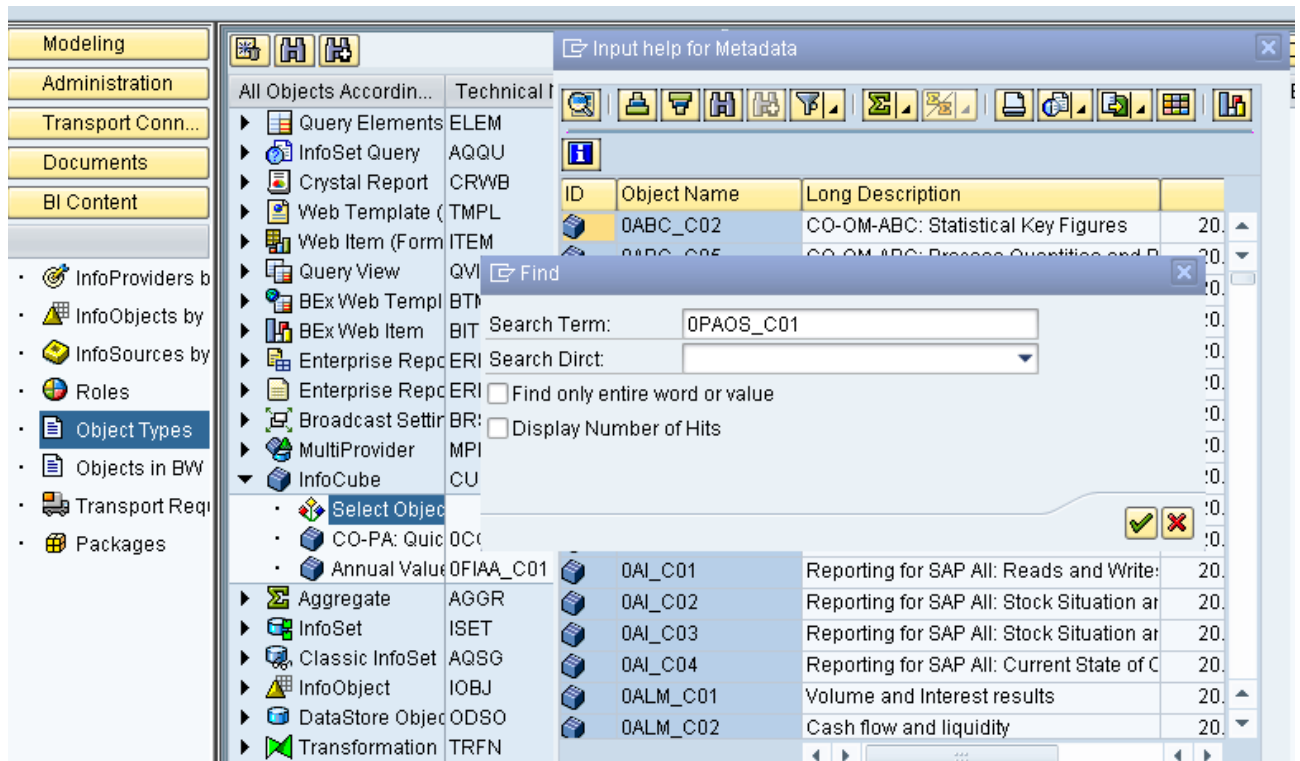
Type of Install	Description and Functionality
Simulate Installation	The system stimulates the activation process and we can check for the error to review them.
Install	The selected objects are activated directly.
Install in Background	The selected objects are activated in the background as a batch job.
Installation and Transport	Depending on your transport strategy, this option would activate the objects and then write them to a transport request.

c. Collection Option:

Collection Option	Description and Functionality
Collect Automatically	This is the default setting. Therefore, all the objects required for the setting in the Grouping option would be collected.
Start Manual Collection	The objects to be activated are only collected if you choose the GATHER DEPENDENT OBJECTS (Execute (clock) Icon) function.

Note: All the BI object are in Delivered version(D) and to use them we have to Activate and change it to active version(A).

- Select BI Content tab and click on *InfoCube* and double click *select object* and search for cube OPAOS_C01. And click on transfer selection.

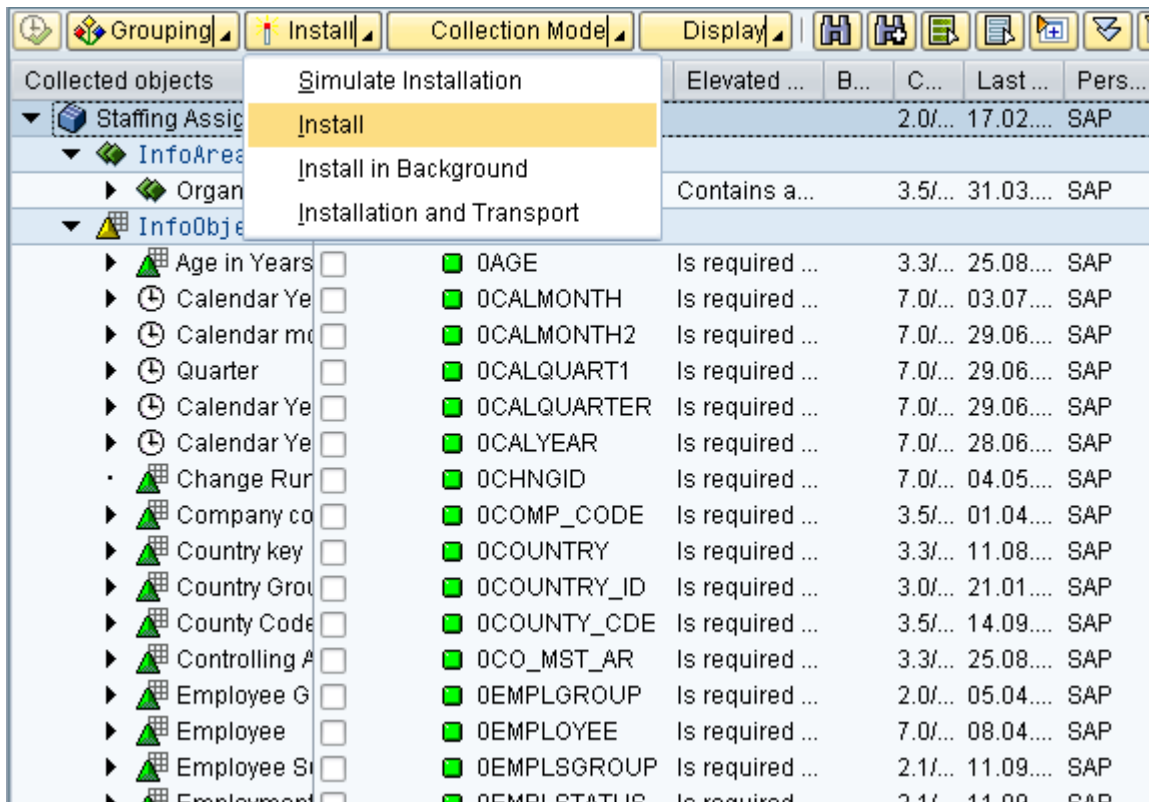


- After Transfer ; In left box you can see list of objects that will be installed. In below image we can see most of the objects have green light next to them which indicates that these objects are already active in the system. But Infocube is inactive as we don't have green light next to it.

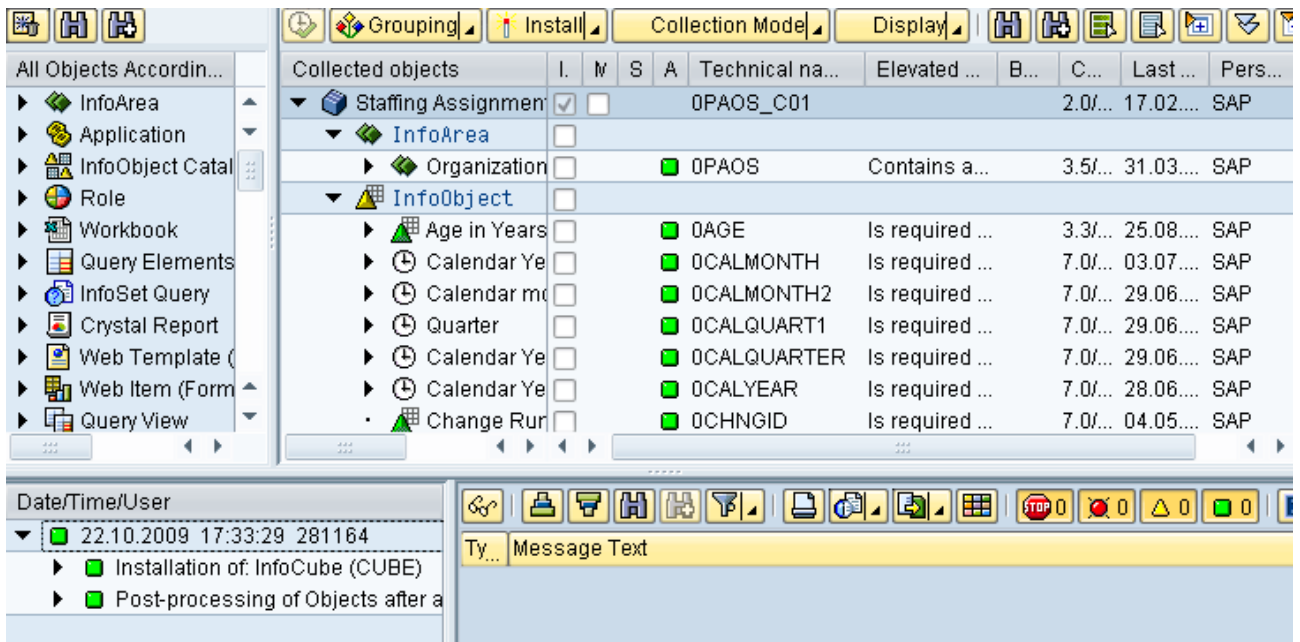
Note: We can manually select objects using checkboxes . But if we install the object with green light again then it will overwrite the existing object along with all the respective routines.

Collected objects	I	M	S	A	Technical na...	Elevated ...	B...	C...	Last ...	Pers.
Staffing Assignment	<input checked="" type="checkbox"/>	<input type="checkbox"/>			0PAOS_C01			2.0/...	17.02....	SAP
InfoArea	<input type="checkbox"/>									
Organization	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0PAOS	Contains a...		3.5/...	31.03....	SAP
InfoObject	<input type="checkbox"/>									
Age in Years	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0AGE	Is required ...		3.3/...	25.08....	SAP
Calendar Year	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0CALMONTH	Is required ...		7.0/...	03.07....	SAP
Calendar month	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0CALMONTH2	Is required ...		7.0/...	29.06....	SAP
Quarter	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0CALQUART1	Is required ...		7.0/...	29.06....	SAP
Calendar Year	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0CALQUARTER	Is required ...		7.0/...	29.06....	SAP
Calendar Year	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0CALYEAR	Is required ...		7.0/...	28.06....	SAP
Change Run	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0CHNGID	Is required ...		7.0/...	04.05....	SAP
Company code	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0COMP_CODE	Is required ...		3.5/...	01.04....	SAP
Country key	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0COUNTRY	Is required ...		3.3/...	11.08....	SAP
Country Group	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0COUNTRY_ID	Is required ...		3.0/...	21.01....	SAP
County Code	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0COUNTY_CDE	Is required ...		3.5/...	14.09....	SAP
Controlling Area	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0CO_MST_AR	Is required ...		3.3/...	25.08....	SAP
Employee Group	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0EMPLGROUP	Is required ...		2.0/...	05.04....	SAP
Employee	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0EMPLOYEE	Is required ...		7.0/...	08.04....	SAP
Employee Status	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0EMPLSGROUP	Is required ...		2.1/...	11.09....	SAP
Employment	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0EMPLSTATUS	Is required ...		2.1/...	11.09....	SAP
Employee Status	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0ESGFORCAP	Is required ...		1.2/...		SAP
Gender	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0GENDER	Is required ...		3.3/...	25.08....	SAP
Position	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0HRPOSITION	Is required ...		3.5/...	22.07....	SAP
Job	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0JOB	Is required ...		3.5/...	08.07....	SAP
Master Cost	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0MAST_CCTR	Is required ...		3.3/...	25.08....	SAP
Nationality	<input type="checkbox"/>			<input checked="" type="checkbox"/>	0NATION	Is required ...		2.0/...	25.08....	SAP

- As shown click on *Install* to install the cube into the system.



- As shown in figure; We can see the success message at left hand corner. It indicates that Infocube has been successfully installed.



- As shown in figure; We can see the infocube in modeling tab . But we don't have update rule as it's not installed.

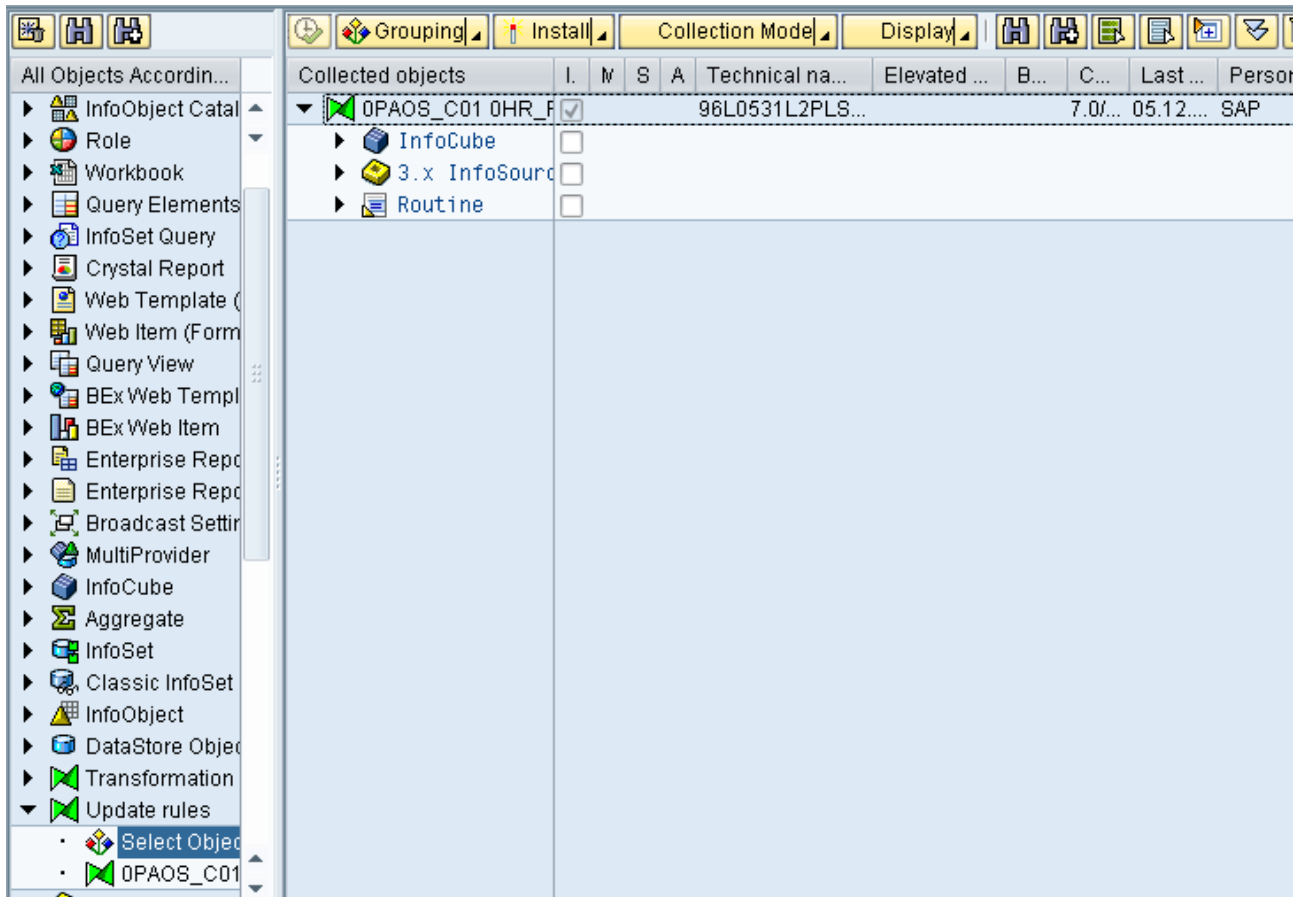
Human Resources	OHCM	Change	
▶ HCM Dashboard IDES	HCM_IDES	Change	
▶ Personnel Management	OPA	Change	
▶ Personal Cost Planning and Simulation	OPACP	Change	
▶ Objective Setting and Assessments	OPA_HAP	Change	
▶ Compensation Management	OPACM	Change	
▶ Cross-Application Time Sheet	OCATS	Change	
▶ Human Resources Demo Area	HR_DEMO	Change	
▶ Organizational Management	OPAOS	Change	
• Staffing Assignments	OPAOS_C01	Manage	
▶ Time Sheet	OCATS_1	Manage	
▶ Alternative Position	0ALP_POSTN	Change	InfoObjects
▶ Assigned Position	0PSM_HRPO_R	Change	InfoObjects

- To install Update rule; select *BI Content* tab and click on *Update rules* and double click *select object* and search for OPAOS_C01. We found one update rule in this case so we will transfer that; similarly we can transfer multiple update rules if applicable .

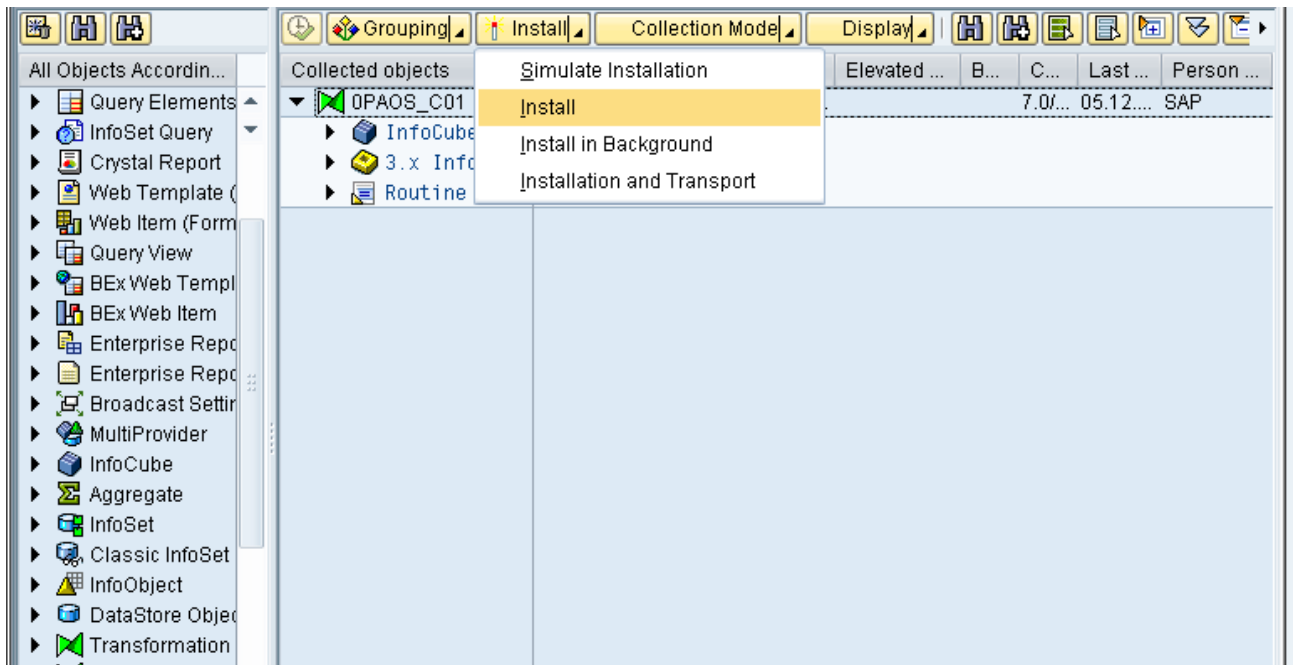
The screenshot shows the SAP BI Content Manager interface. On the left, the 'BI Content' tab is active, and the 'Update rules' folder is selected. The main pane displays a list of objects under 'Collected objects'. The object 'OPAOS_C01' is highlighted, and its details are shown in the right pane. The 'Transfer Selections' button is visible at the bottom right of the 'Collected objects' window.

ID	Object Name	Long Description
96L0531L2PLS3A6	OPAOS_C01	<- 0HR_PA_OS_1
907KB92TLFDNXIK	OPAPA_C02	<- 0HR_PA_PA_1
6605L2D1UOAIHN	OPAPD_C01	<- 0HR_PA_PD_1
664V0G46QEW5G6	OPAPD_C02	<- 0HR_PA_PD_2
634MFZVNST7BT6E	OPAPF_C01	<- 80PF_DS03
79R5EN3J8G0QOL	OPAPF_C02	<- 80PF_DS05
1X4250L4DD8LLJD	OPARC_C01	<- 0HR_PA_RC_0
B99Z0AI3L3YGSEJ	OPARC_C01	<- 0HR_PA_RC_1
16Z3ENW5ZZEFZR	OPARC_C01	<- 0HR_PA_RC_2
E5ILYDNE80GVD52	OPA_C01	<- 0HR_PA_0
3QHADHP6TKMHT	OPA_C01	<- 0HR_PA_1
8N95ZG4QZL1TBE	OPA_C03	<- 80PA_C01
B98RQR8D1NPQAL	OPA_C03	<- 80PE_C01
5TLU6KL1IOPNXW	OPA_C03	<- 80PT_C01
DCDLGJX3LRQ7O	OPA_DS01	<- 0HR_PA_CM_7
4O3HK6P0Y44XHL	OPA_DS02	<- 0HR_PA_2
4BN3NTSL37QAIK	OPA_DS03	<- 0HR_PA_3

12. As Shown in figure; We can see the list of object which will get installed as part of update rule.



13. Install the Update rule.



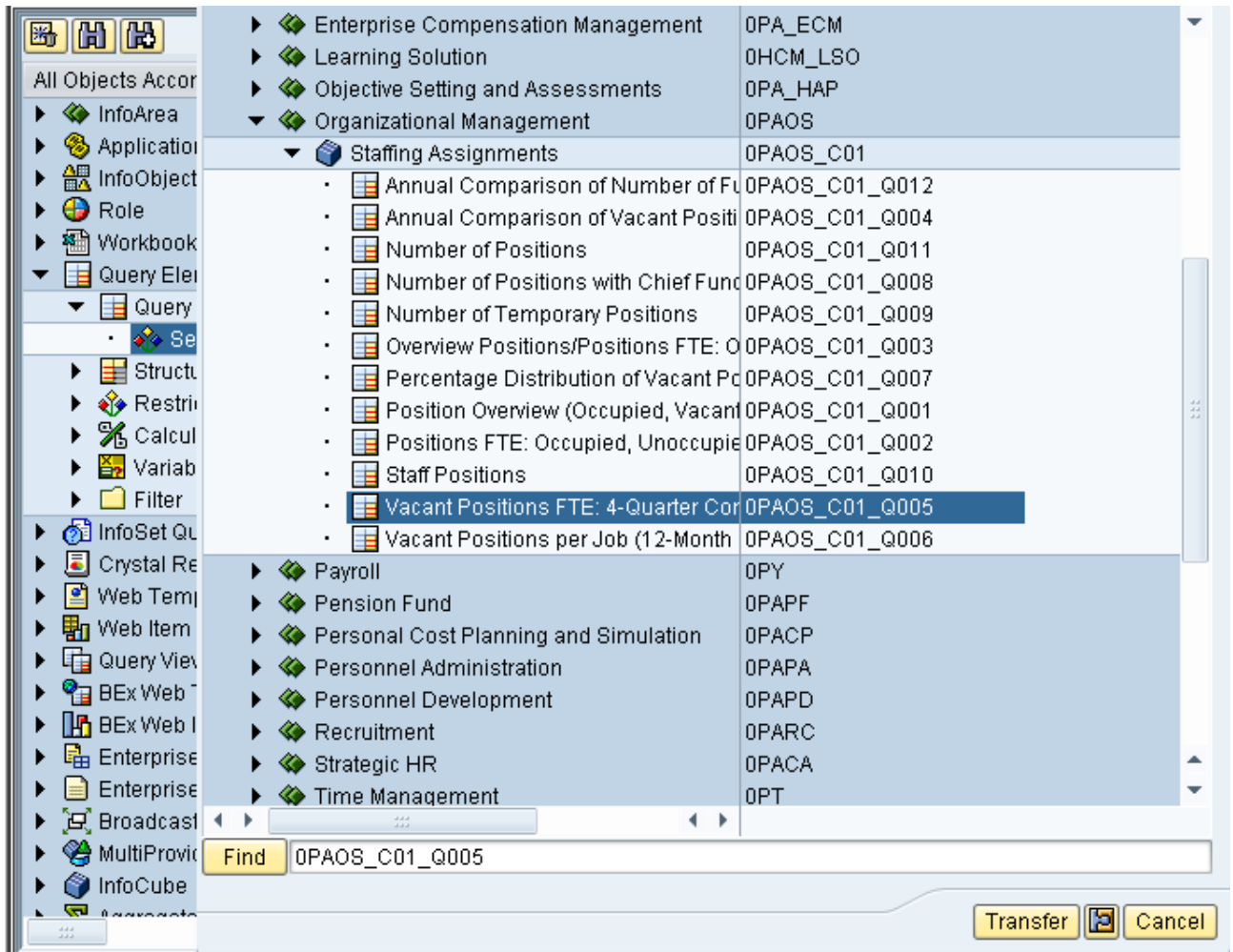
Data Loading and Reporting

14. 12. A shown in figure; After installing the update rule in *modeling* tab we can see the transfer rule and data source under cube. Upload the data in the cube after creating infopackage for data source OHR_PA_OS_1.

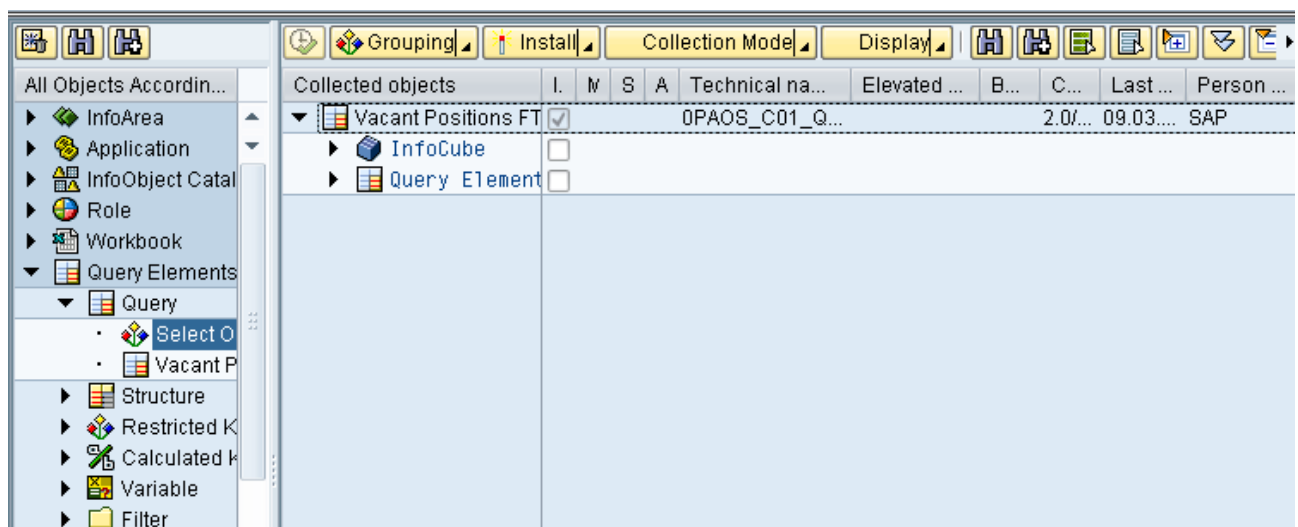
Note: We have maintained the 3.5x flow for simplicity as our main focus is on STD Report activation. If needed we can migrate the flow to BI 7.0.

InfoProvider	Tech. Name	M...	Execute Funct...	Display Tree	O...
▶ Compensation Management	0PACM		Change		
▶ Cross-Application Time Sheet	0CATS		Change		
▶ Human Resources Demo Area	HR_DEMO		Change		
▼ Organizational Management	0PAOS		Change		
▼ Staffing Assignments	0PAOS_C01	=	Manage		
▼ 0PAOS_C01 OHR_PA_OS_1	96L0531L2PLS3A6...		Change		
▼ Staffing Assignments	OHR_PA_OS_1		Change	InfoSources	
▼ from Staffing Assignment	OHR_PA_OS_1	...	Change		
• Staffing Assignments	OHR_PA_OS_1		Change	DataSources	

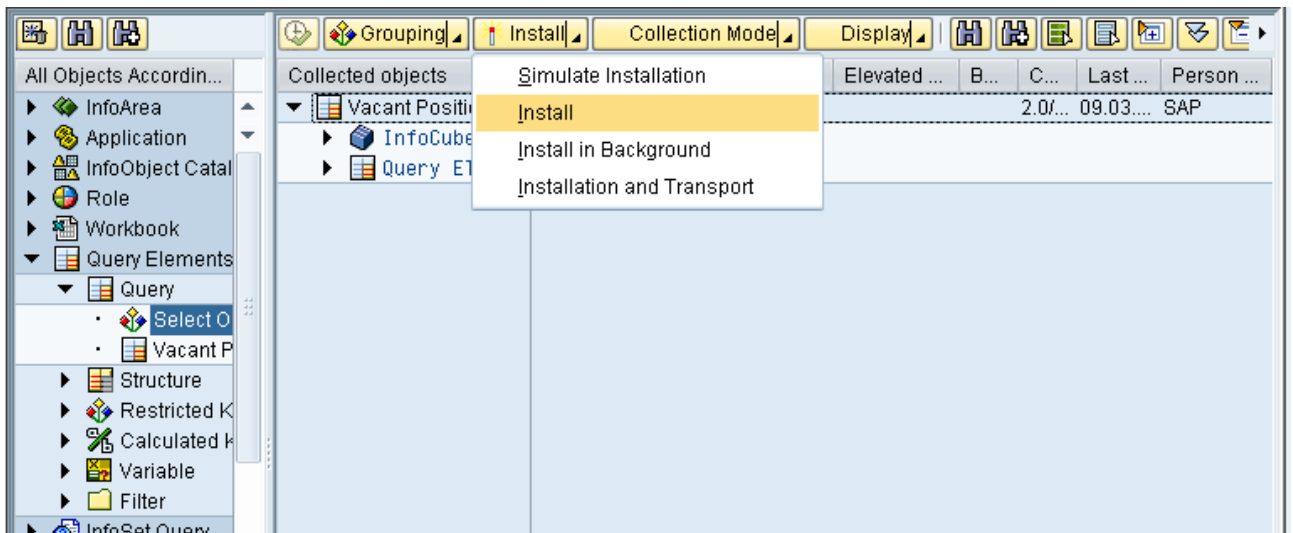
- To activate required query/report , select BI Content tab and click on *Query Element>>Query* and double click *select object* and search for query *OPAOS_C01_Q005*. And click on transfer selection.



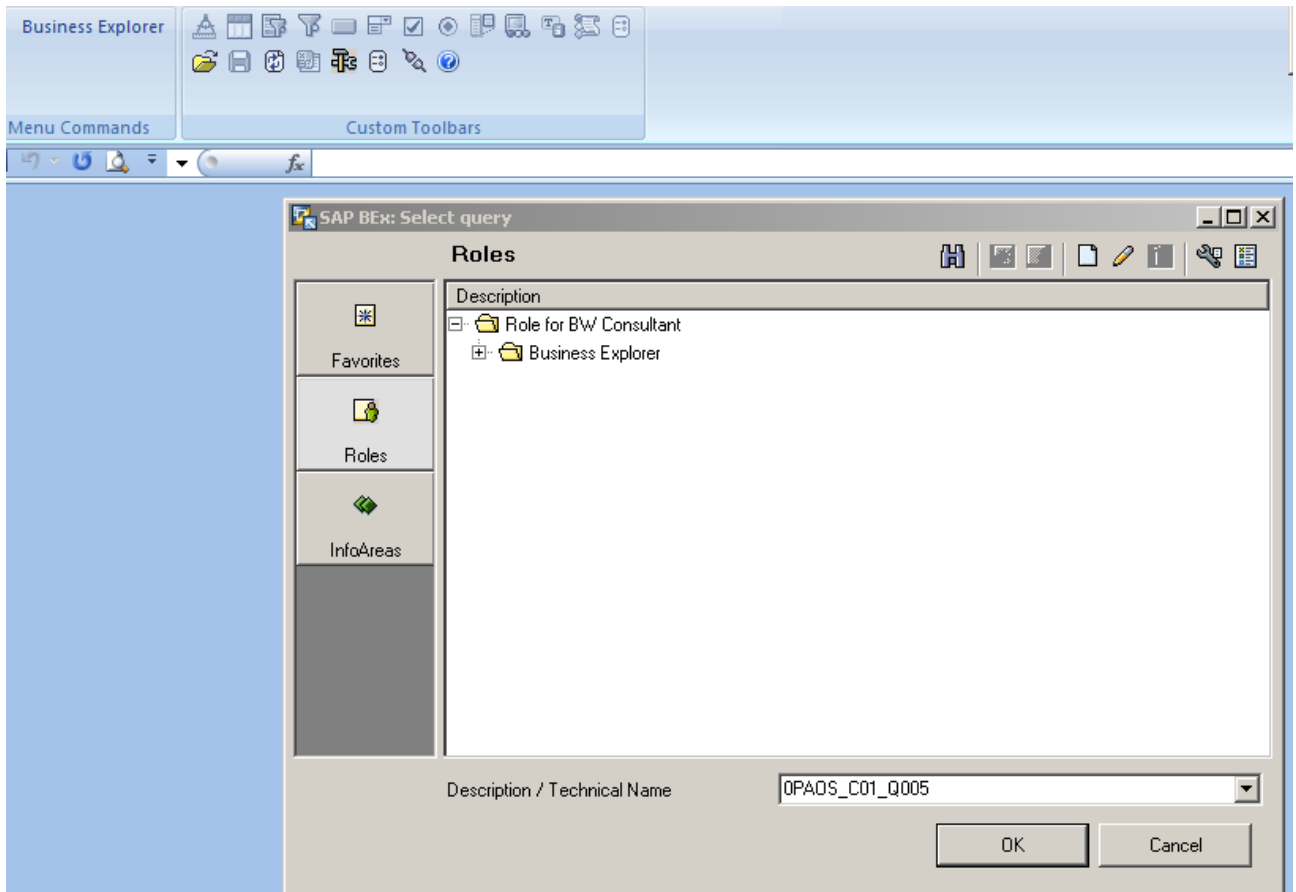
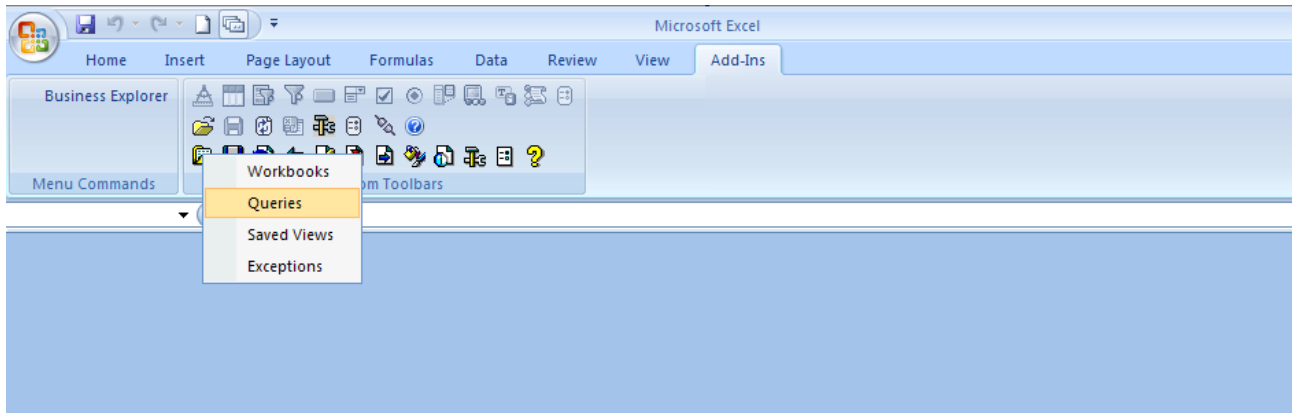
- We can see list of object which will get transferred.



17. Install the query.



18. Go to Bex Analyzer and enter the query name.



19. As shown in the figure; We can see the report output in excel format.

1	Employee			
2	Employment Status			
3	Gender			
4	Nationality			
5	Age in Years			
6	Personnel subarea			
7	Personnel area			
8	Master cost center			
9	Position			
10	Job			
11	Employee group			
12	Employee subgroup			
13	Structure			
14	Comparison 4 Quarters Previous Year			
15	Organizational unit			
16				
17	Calendar year	2008		
18				
19				
20	Organizational unit	Vacant Unoccupied Positions as FTE 1st Quarter 2008	Vacant Unoccupied Positions as FTE 2nd Quarter 2008	Vacant Unoccupied Position 3rd Quarter 2008
21	Overall Result	207.50	300.00	
22	Organizational plan	190.00	190.00	
23	Sample	188.00	188.00	
24	▶ SAT	34.00	34.00	
25	▶ MAN	108.00	108.00	
26	▶ NEW	46.00	46.00	
27	SBU	0.00	0.00	
28	MFT	0.00	0.00	
29	▶ DIC	0.00	0.00	

Related Content

<http://help.sap.com/>

[BI Content](#)

Disclaimer and Liability Notice

This document may discuss sample coding or other information that does not include SAP official interfaces and therefore is not supported by SAP. Changes made based on this information are not supported and can be overwritten during an upgrade.

SAP will not be held liable for any damages caused by using or misusing the information, code or methods suggested in this document, and anyone using these methods does so at his/her own risk.

SAP offers no guarantees and assumes no responsibility or liability of any type with respect to the content of this technical article or code sample, including any liability resulting from incompatibility between the content within this document and the materials and services offered by SAP. You agree that you will not hold, or seek to hold, SAP responsible or liable with respect to the content of this document.