

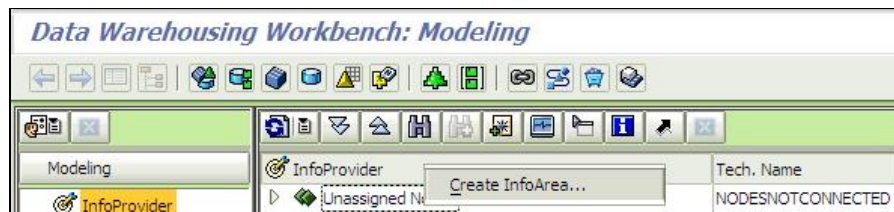
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## 1.1.1.1 BW Transaction RSA1 to create Meta Data

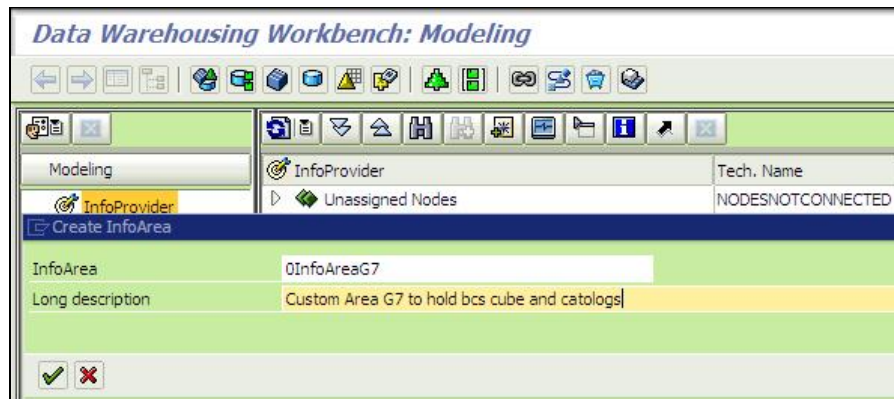
Added by Gregory Misiorek, last edited by Gregory Misiorek on Apr 26, 2012

Below are screenshots supporting the BW configuration steps to support further customization in transaction UCWB. Below are screenshots for steps required in the underlying database or data warehouse which is invoked by running transaction RSA1.

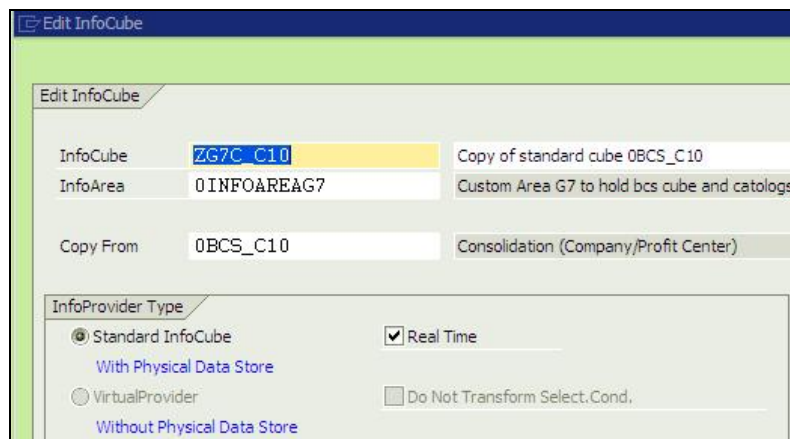
1. First an InfoArea in the InfoProvider section needs to be created. Once it's been added to the bottom of the existing hierarchy list it can be added as a favorite to avoid scrolling down when working with the underlying objects. You have to click on the InfoArea header to be able to select "Create" option from the menu.



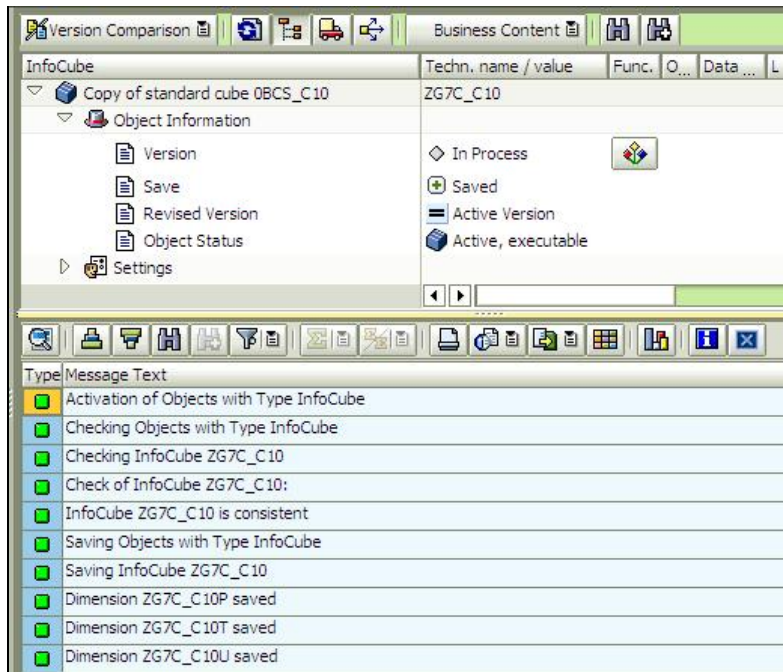
2. Give the InfoArea a meaningful name that follows your organization's naming conventions. I have decided on G7 since this is a 7th version of the object created in a sandbox. In the production system there should be a minimal number of versions - ideally - only one.



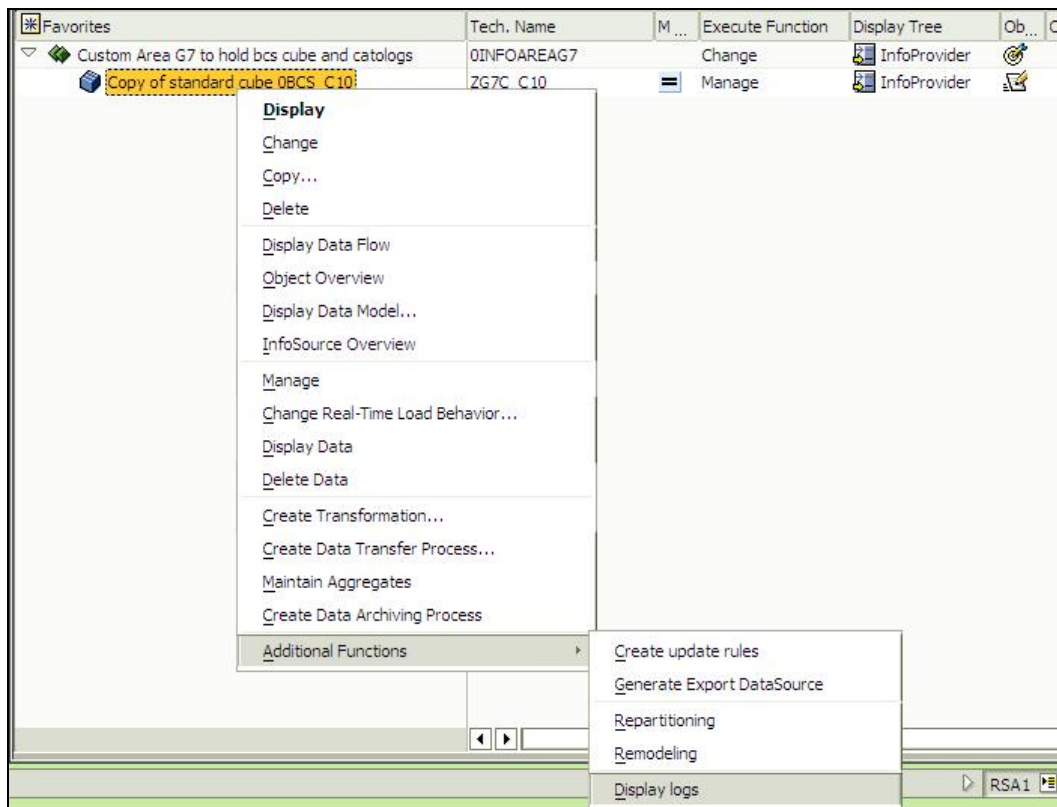
3. Next, you have to create an InfoCube that will be used in SEM to store and report data. At minimum, once cube needs to be created. As the functionality of your SEM system grows, you will be adding more cubes via generation in the UCWB (workbench) transaction. Your InfoCube's name has to be up to 7 characters. Here, we are copying the standard cube 0BCS\_C10 and check the 'Real Time' option.



5. Most if not all object in the BW (OLAP) database need to be activated. Once the activation is completed, the cube is ready for use after successful messages are displayed from the activation log. The cube holds dimensions which in turn hold characteristics or fields.



6. Similar to InfoArea InfoCube can be added to favorites which places it as subordinate objects to InfoArea. More menu selection options are now available. You should spend some time investigating them and test different system behavior. Once the InfoCube has been deployed and in production use, those menu options are of limited use as technical updates should be avoided on objects containing business data.



7. A lower level object from InfoCube is InfoObjCatalog which is a collection of characteristics and key figures. You may want to create your own versions of the standard - here for Periodic Extract. InfoObjCatalog can be later used in UCWB, similarly to InfoCube, but is not necessary for the most basic application of the BCS system.

Edit InfoObject Catalog

InfoObjCat: **ZSEM\_BCS\_CHA02** Copy of characteristics catalog CHA02

InfoArea: **0INFOAREAG7** Custom Area G7 to hold bcs cube and catalogs

Copy From: **0SEM\_BCS\_CHA02** Characteristics for Periodic Extract

InfoObject Type:

☒ Char.

☐ Key Figure

System Type (Namespace):

☐ SAP (Delivered by SAP)

☒ CUS (Generated by User)

☐ PAR (Partner)

Namespace

8. This step is almost exactly the same as the previous one, except for selecting the fields for storing amounts (key figures).

Edit InfoObject Catalog

InfoObjCat: **ZSEM\_BCS\_KYF02** Copy of standard Key Figures for Periodic Extract

InfoArea: **0INFOAREAG7** Custom Area G7 to hold bcs cube and catalogs

Copy From: **0SEM\_BCS\_KYF02** Key Figures for Periodic Extract

InfoObject Type:

☐ Char.

☒ Key Figure

System Type (Namespace):

☐ SAP (Delivered by SAP)

☒ CUS (Generated by User)

☐ PAR (Partner)

Namespace

9. Once all the objects are created and added to favorites, the metadata used in the BCS system can be displayed in one convenient location.

Favorites	Tech. Name	M ...	Execute Function	Display Tree
Custom Area G7 to hold bcs cube and catalogs	0INFOAREAG7		Change	InfoProvider
Copy of characteristics catalog CHA02	ZSEM_BCS_CHA02		Change	InfoObjects
Account number	0ACCOUNT	=	Change	InfoObjects
Business area	0BUS_AREA	≠	Change	InfoObjects
Chart of accounts	0CHRT_ACCTS	=	Change	InfoObjects
Company	0COMPANY	=	Change	InfoObjects
Debit/Credit Indicator	0ACCDEBCRED	=	Change	InfoObjects
Financial Statement Item	0GLACCEXT	=	Change	InfoObjects
Fiscal year of the first acquisition posting	0ACQ_YEAR	=	Change	InfoObjects
G/L Account	0GL_ACCOUNT	≠	Change	InfoObjects
Indicator, Flag	0FLAG	=	Change	InfoObjects
Movement type	0MOVE_TYPE	=	Change	InfoObjects
Partner company number	0PCOMPANY	=	Change	InfoObjects
Period in which first acquisition was posted	0ACQ_PER	=	Change	InfoObjects
Record Type	0RECTYPE	=	Change	InfoObjects
Trading partner business area of the business	0PBUS_AREA	=	Change	InfoObjects
Version	0VERSION	=	Change	InfoObjects
Copy of standard Key Figures for Periodic Extract	ZSEM_BCS_KYF02		Change	InfoObjects
Total of transactions of the period in group cu	0CS_TRN_GC	=	Change	InfoObjects
Total of transactions of the period in local cur	0CS_TRN_LC	=	Change	InfoObjects
Total of transactions of the period in transact	0CS_TRN_TC	=	Change	InfoObjects
Copy of standard cube 0BCS_C10	ZG7C_C10	=	Manage	InfoProvider

Note: You should avoid managing actual data in the BW system and keep the data synchronized between ECC and BW to avoid incompatibility errors or short dumps that get created when systems are not kept in synch. This will be explained in the section on data modeling in the ECC system.

[combinations](#) [xbrl](#) [ifrs](#) [sec](#) [olap](#)

## 1 Child Page

1.1.1.1.1 combinations xbrl ifrs sec olap topics

