

# Cost Center Hierarchies

## Functional informations

Before CBS project, the hierarchies used in BW for Funct0 were the FUNCT0 hierarchies.

Now, we have new hierarchies called ZCBS, existing in the different ERPs.  
The name of the hierarchies is *Controlling area + 'ZCBS'*

Example below for Z006CBS:



## Hierarchy's loading for Acetow and Rare Earth before

For Acetow and Rare Earth (controlling areas 0001, Z965, 7898 and RTR1), they didn't have the hierarchies in their ERP.  
So we used a different way to have the hierarchy's levels.

We used **C\_FUNCTCC** Cost Center info object.

In this info object, we had the link between the cost center+of the +4th level of Z013 hierarchy

Controllin	Cost Center	4 Sub-func
0001	64412	FRBS03
0001	64441	CRDB3
0001	64944	FIND03
0001	67201	FXXXX
0001	67202	FXXXX
0001	67203	FXXXX
0001	67210	FXXXX

Then we run the info package to load attributes of the Cost center for the source system involved.

Cost Center	C_COSTCTR	Change	InfoObjects
Cost Center (Hierarchies)	HIERARCHIES_C_CO...	Maintain Hierar...	InfoSources
Cost Center (Attribute)	ATTRIBUTES_C_CO...	Manage	InfoSources
Transformation: 0COSTCENTER_ATTR -> C_COSTCTR	0JX24M7QZQE05B...	Change	
Transformation: Flat File -> Cost Center Temp	0S21C4JMGRBX6A0...	Change	
C_COSTCTR_IFS_GDB_ACTCTR_LVL5_XREF	3ZCZW3MDPK3S38...	Change	
C_COSTCTR_IFS_C_COSTCTR_ATTR	3ZKQ1X9HSDFA8CB...	Change	
Cost Center Attributes	IFS_C_COSTCTR_A...	Change	InfoSources
from Cost center for PA1 Client 210	0COSTCENTER_AT...	Change	
Cost center	0COSTCENTER_ATTR	Change	DataSources REGIPA1210
from Cost center for PIM Backoffice	0COSTCENTER_AT...	Change	
Cost center	0COSTCENTER_ATTR	Change	DataSources PIM_055
from Cost center for RHO Client 020	0COSTCENTER_AT...	Change	
Cost center	0COSTCENTER_ATTR	Change	DataSources RHOMAND0...
C_COSTCTR_IFS_C_COSTCTR_ATTR_BW	4784V0HCAS2X7L2...	Change	
Data Transfer Processes	ATTRIBUTES_C_CO...	Create Data Tr...	
Cost Center (Texts)	TEXTS_C_COSTCTR	Manage	InfoSources

In the start routine of the update rule, BW searches for the cost center the 4th level of the Z013FUNCT0 hierarchy and determines the other levels

## Actual loading of hierarchy

Today, all ZCBS hierarchies are created and managed in the ERP. We don't use C\_FUNCTCC anymore.

To load the attributes, we have one transformation (for RCS controlling areas) and one update rule (for the other ERP).

The start routine in the transformation/update rule will search for the controlling area-cost center the different level

The start routines start to load the hierarchy of the controlling area into an internal table.

Then we search the cost center in this hierarchy in order to find the lowest level of the hierarchy.

With this level, we can find the levels above until the highest (level 0), which is ZCBS.

Example for Cost center 7666-2025.

We find the hierarchy's code in the hierarchy's table RSHIEDIR.

**Data Browser: Table RSHIEDIR: Selection Screen**

Number of Entries

HIIEID	<input type="text"/>	to	<input type="text"/>	<input type="button" value="→"/>
OBJVERS	<input type="text"/>	to	<input type="text"/>	<input type="button" value="→"/>
HIETYPE	<input type="text"/>	to	<input type="text"/>	<input type="button" value="→"/>
HIENM	2006ZCBS	to	<input type="text"/>	<input type="button" value="→"/>

Then we load into an internal table from the hierarchy cost center's table for this cost center

HIEID	OBJVERS	NODEID	NODENAME	TLEVEL	PARENTID	CHILDID	NEXTID
125VOOSGSOPOKZ1XJASTBUI50	A	00001329	Z0067666-2025	06	00001319	00000000	00001330

We find the level 6 and we obtain a node's code (PARENTID field: 1319)

Then we search this PARENTID value in the same table but in the NODEID field.

HIEID	OBJVERS	NODEID	NODENAME	TLEVEL	PARENTID	CHILDID	NEXTID
125VOOSGSOPOKZ1XJASTBUI50	A	00001319	Z006EPRD2X	05	00001318	00001320	00000000

We got now the level 5, the lowest level of our hierarchy (in BW it's the level 4) and also a new PARENTID.

The node name (minus the 4 first characters) is the code of the level.

We search the new PARENTID in order to find the level above and we stop when there's no PARENTID value.

It means we are at the highest level, ZCBS

HIEID	OBJVERS	NODEID	NODENAME	TLEVEL	PARENTID	CHILDID	NEXTID
125VOOSGSOPOKZ1XJASTBUI50	A	00000001	Z006ZCBS	01	00000000	00000002	00000000

The texts of the levels are managed in a dedicated hierarchy, the Z013ZCBS.

## Frequency of loading

Hierarchies are loaded every working day inside process chain **Daily Hierarchies CO 2/2** round 7pm (Paris time)