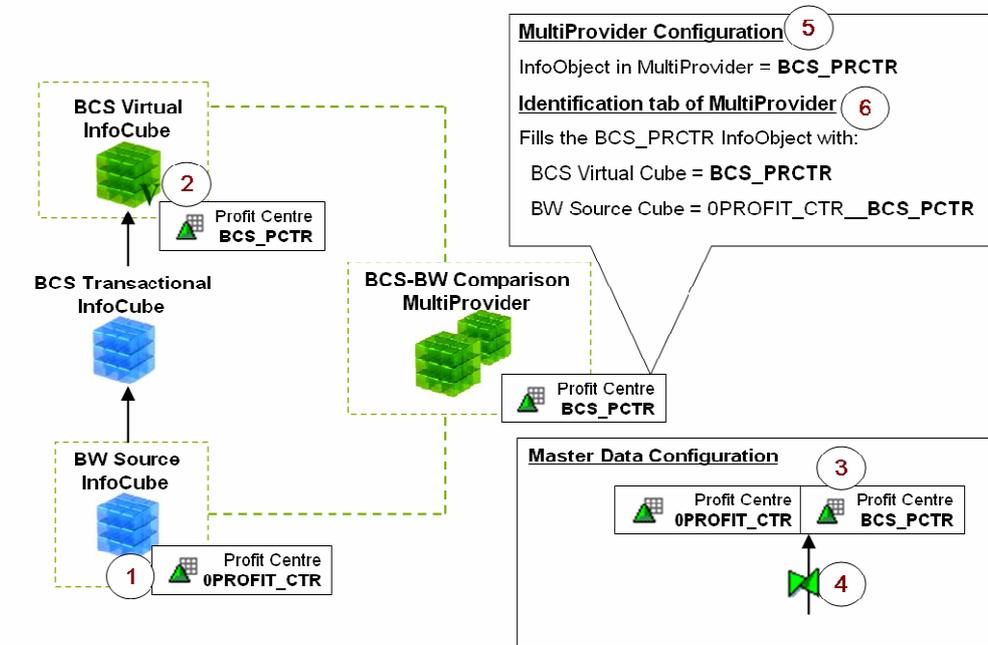


It is good practice to use different InfoObjects for BCS and "Pure BW" Basic InfoCubes. For example if BW uses 0PROFIT_CTR to hold Profit Centre then BCS might use BCS_PCTR to hold the same data. For more information see OSS Notes 689229 and 578348. Since the BCS and the BW InfoCubes then have InfoObjects with different names it is not straightforward to build a MultiProvider over them without additional configuration. One way to build the MultiProvider is to add navigational attributes to the InfoObjects in one InfoCube that will allow commonly named InfoObjects to be used in the MultiProvider definition.

The diagram below shows how the InfoCubes might be arranged to compare the Profit Centre InfoObject across a "Pure BW" Basic InfoCube and a BCS Transactional InfoCube that receives its data from the BW InfoCube.

Comparing BCS and BW Data



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The additional configuration needed to make the above scenario work is to have InfoObject BCS_PCTR as a navigational attribute of 0PROFIT_CTR. This is the additional Master Data Configuration shown above. The configuration steps are shown in the diagram above and are described below:

Step	Description
1	<p><u>Analyse BW Source InfoCube</u></p> <p>Note the InfoObjects in the Source BW InfoCube. In this example it is 0PROFIT_CTR Profit Centre but all InfoObjects should be noted. The steps that follow only consider Profit Centre but the same technique can be applied to all other common InfoObjects.</p>
2	<p><u>Analyse BCS InfoCube</u></p> <p>Note the InfoObjects in the BCS Transactional InfoCube (or the Virtual Cube, the InfoObjects are the same). In this example it is BCS_PCTR Profit Centre but all InfoObjects should be noted.</p> <p>Prepare a mapping of the BW InfoObjects with the BCS InfoObjects next to them.</p> <p>In this example we have: 0PROFIT_CTR = BCS_PCTR = Profit Centre</p>
3	<p><u>Add the BCS InfoObjects as Attributes of the BW InfoObjects</u></p> <p>Edit each BW InfoObject and add the BCS InfoObject as a Navigational Attribute. In this example we edit 0PROFIT_CTR and add BCS_PCTR as an attribute, and flag it as Navigational.</p>
4	<p><u>Edit Update/Transfer Rules for Each BW InfoObject</u></p> <p>Edit the Update Rules or Transfer rules of every BW InfoObject to fill the newly added Navigational Attribute. In this example we would edit the update rules into 0PROFIT_CTR so that the attribute BCS_PCTR got filled with a copy of whatever goes into the 0PROFIT_CTR field.</p>
5	<p><u>Create Comparison MultiProvider</u></p> <p>Create the comparison MultiProvider using the BCS InfoObjects. In this example we would create the new MultiProvider over the underlying InfoCubes and drag in the <i>BCS InfoObject</i> BCS_PCTR (not the BW InfoObject 0PROFIT_CTR) to define the MultiProvider.</p>
6	<p><u>Assign InfoObjects from Basic Cubes</u></p> <p>After defining the MultiProvider InfoObjects, we assign InfoObjects from the underlying Basic InfoCubes. This is done on the "Identification" tab in the InfoCube maintenance.</p> <p>In this example we would use BCS_PCTR from the BCS InfoCube and the BCS_PCTR Navigational Attribute of 0PROFIT_CTR from the BW InfoCube. This allows reporting across the two cubes.</p>

Note that the *BCS InfoObjects* are added as Navigational Attributes to the *BW InfoObjects*. Adding the *PCA InfoObjects* as Navigational Attributes to the *BCS InfoObjects* is possible, but the side effect is that even the tiniest change to the *BW InfoObject* (even a changed *BW* short description of the InfoObject itself) can cause a rebuild of the *BCS* data basis.