Hierarchies Import and Sign Reversal Changes in Modeling and Query Designer Level.

Applies to:
SAP Business Intelligence 3.5 and 7.0 releases. For more information, visit Business Intelligence homepage.

Summary
This paper gives information about Hierarchies import from ECC and Sign reversal changes in Modeling and Query Designer level.

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Introduction

Hierarchies are import from ECC and Load into BW. During Loading the Hierarchies it is require to go for Infopackage creation and schedule the hierarchy. Sometimes Infoobject has multiple hierarchies, In that case import the new hierarchy from ECC is just copy the info package of the existing hierarchy, import and load the hierarchy. This paper also provides the information about the sign - reversal for the hierarchy in different stages in BI.

The Step by Step Solution

A) Import of the hierarchies from ECC and Loading into BI.

i) Copy the existing infopackage from Source System and Paste under infoobject.

<table>
<thead>
<tr>
<th>Master Data Procurement</th>
<th>0BBP-I0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account Assignment Category</td>
<td>0BBP_ACCDCAT</td>
</tr>
<tr>
<td>Bid Invitation Item for Representation of Btw Hierarchy</td>
<td>0BBP_BTNRE</td>
</tr>
<tr>
<td>BES BW Client BOC</td>
<td>SPK_BI_00</td>
</tr>
</tbody>
</table>

ii) Context menu on infopackage and click on change. Go to the Hierarchy selection tabstick and click Available Hierarchies from OLTP. Select the require hierarchy and Schedule to load.

Scheduler (Maintain InfoPackage)

B) Hierarchies Sign reversal changes during Modeling and Query Designer level.

i) Select the Reverse +/- Sign for nodes at InfoObject Hierarchy Level to define the Sign reversal properties for Hierarchy Nodes.
ii) Change the Sign at the Hierarchy Nodes level. Double Click the Hierarchy Node and it displays the Reverse +/- Sign. By Selecting option ,it is possible to change the sign reversal.

iii) Suppose multiple reports are created on data target by using same hierarchy. Sometimes selected Queries require the sign reverse for line items. In that situation require to modify only at query level. Select the hierarchy Line Item and reverse the Sign at properties Display.
iv) Suppose Query had hundreds of line items already dragged into Query Designer. It is tedious process to change the sign for each and every line item. In that situation create the formula variable at the keyfigure level and change the sign of the query output.

Creating the formula variable for Sign reversal:

- You are in the Query Designer. Under Key Figures, use the context menu to choose New Formula. The Formula Builder opens.
- Under Formula Variables, choose New Variable from the context menu. The variables wizard appears.
- Enter a name and a short text for the variable. Choose Replacement Path as the processing type.
- Choose your hierarchy basic characteristic.
- Choose Hierarchy Attribute as the replacement. The attribute Sign Reversal is automatically displayed.
- Save your formula variable. When defining the formula variable, you get the factor 1 or –1, with which you can multiply the required key figure.
After creating Sign reversal formula variable. Define the formula which is based on Sign Reversal in Query Designer.

Multiply all the key figures with Sign reversal formula by creating formulas. It is going to reverse the Sign of the data.
Related Content

http://help.sap.com/
http://sdn.sap.com/

For more information, visit the Business Intelligence homepage.
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