

IBM Cognos Performance

Better Intelligence. Better Business.

PC 16 Emulating Hierarchy
Prompt Variables from the SAP
NetWeaver® Business Warehouse
within IBM Cognos 8!



© 2009 IBM Corporation



Agenda

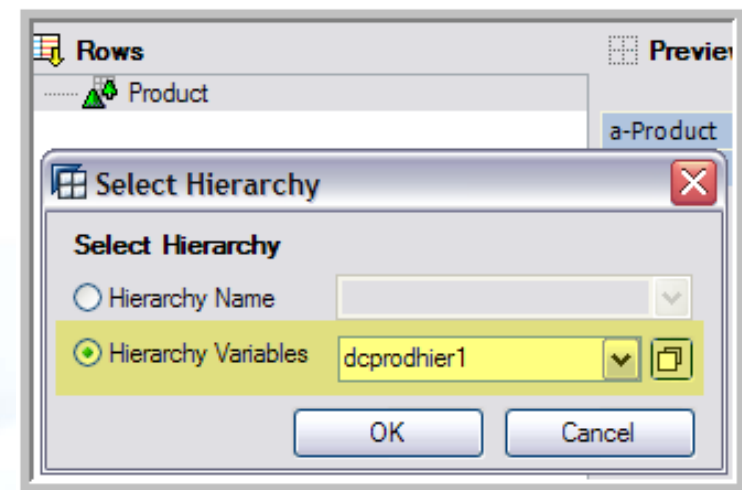
- What is Hierarchy Prompt variable?
- Emulating Hierarchy Prompt variables from the Business Warehouse
- Business Warehouse Variables and Prompt Controls
- Framework Manager Overrides for Business Warehouse Variables
- Demo - Leveraging the power of Cognos 8 studios to work with Business Warehouse Variables



Setting the Ground

What is a Business Warehouse Hierarchy Prompt variable?

- Within the SAP NetWeaver® Business Warehouse a characteristic may have many alternate hierarchies defined in order to have different ways to aggregate and display the characteristic data.
- The Business Warehouse Query Designer provides a hierarchy variable to query authors. This enables content authors to create a user interface wherein users choose a specific hierarchy from a dynamically generated list.



Setting the Ground

Emulating Hierarchy Prompt variable

- In order to succeed in this technique you will require the following:

- 1. Create a Calculation using Prompt Tokens**
- 2. Create a Value Prompt Page with Static Choices**
- 3. Create a Filter on the Hierarchy**

The screenshot displays three overlapping dialog boxes in IBM Cognos Developer Studio:

- Data Item Expression - Dynamic Hier**: Shows the 'Expression Definition' field with the text: `#prompt('HierParm','token',[Orders (Basic Query)].[Product].[Product])#`. The 'Available Components' pane on the left shows 'SAPDEMO_Forum' and 'Orders (Basic Query)'.
- Static Choices**: A dialog for defining static choices. It includes fields for 'Variable' and 'Value', both currently set to '(None)'. Below these is a table with columns 'Use' and 'Display':

Use	Display
[Orders (Basic Query)].[Product].[Product]	Base Product
[Orders (Basic Query)].[Product].[Product Grouping]	Product Grouping
- Detail Filters**: A dialog showing a filter definition: `[Dynamic Hier] in (?ProdNode?)`.

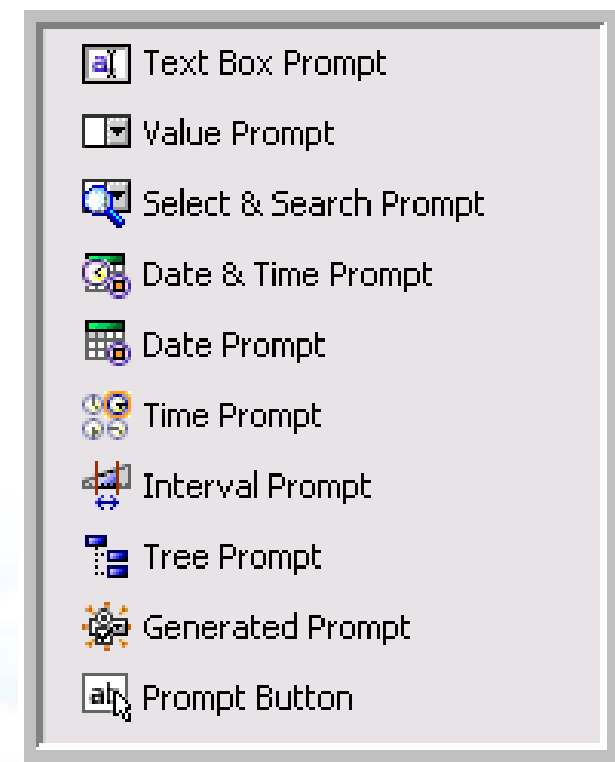
In the background, a data grid is visible with columns for '<#Country#>', '<#Dynamic Hier#>', '<#CY Revenue#>', and '<#PY Revenue#>', containing values like '<#1234#>' and '<#1734#>'.



Setting the Ground

Variables and Prompt Controls

- Cognos 8 provides many types of prompt controls that allow the override of default variable behavior from the Business Warehouse.
- These controls expose functionality not consistently available
- Cognos enables cascading prompts to tie variables together and restrict results by previous choice



Setting the Ground

Framework Manager Business Warehouse Variables

- Sometimes default settings are not appropriate, FM allows to override certain variable settings
 - Showing Key & Caption (useful for compound characteristics)
 - Prompt Type
 - Default Values

[-] SAP BW Variables	
[-] OSALEORG(Sales organization)	
Name	[OSALEORG]
+ Caption	
Selection Type	complex
Entry Type	optional
Default Low Value	
Default High Value	
Description	
SAP BW Variable Type	characteristic
Prompt Type	pickList
Use Default Value	false
Show Key and Caption	false
Initial Number of Pick List Values	0
Use As Key Date	false
+ ODIVISIO(Division)	
+ OS_MAT(Material (Selection Options, Optional))	
+ OS_CUSTO(Sold-to party (optional entry))	
+ OI_CALMO(Calendar Month/Year)	



IBM Cognos Performance

IBM Cognos Connection

Public Folders | My Folders | Start of My Day

BI Alerts

NewsItems

- Actual Revenue for USA is \$52,519,145.90 Today
- Pipeline shortfall for Netherlands
- Review Process for New York - Late
- Pipeline shortfall of 50.92: Europe
- Very High Discounting

Metric List

No filter | No grouping

Name	Actual	Target	Variance	Variance %	Time Period
Expenses - Eastern Sales	US\$726,394.06	US\$900,000.00	-US\$173,605.94	19.29%	Nov 2002
Customer Survey - Eastern Sales	8.86	8.00	0.86	10.72%	Nov 2002
Discount Percentage - Eastern Sales	4.26%	2.50%	1.76%	70.28%	Dec 2002

Cognos Navigator

SAP Demo

Entries: 1 - 12

- Name
- Kickoff FY 07
- Launch Cognos
- NewsItems
- Reportlets
- Sales
- NEW Sales Activity Dashboard
- Cognos Cockpit (WAD)
- New SAP-SQL Union Report
- Dynamic Variable Report
- Dynamic Hierarchy Prompt Report
- Shortcut to GOIDashboard 84v2
- Account Balance - Profit And Loss in Local Currency

Dynamic Hierarchy Prompt

Back to default entry

Dynamic Hierarchy Report

Product Hierarchy: HierParm

Cancel | < Back | Next > | Finish

Cognos Search



Maximize Your Success with IBM Cognos Software Services

- Access the Cognos resources you need
www.ibm.com/cognos/customercenter
- Continue your learning with Cognos Education
www.ibm.com/cognos/training
- Engage a Cognos consultant
www.ibm.com/cognos/consulting
- Cognos Support resources at your finger tips
www.ibm.com/cognos/support



Additional Information

- Website:

<http://www-01.ibm.com/software/data/cognos/solutions/sap>

- View customer webinars with Tellabs[®], FirstEnergy[®] & Nike[®]

<http://www-01.ibm.com/software/data/cognos/solutions/sap/library.html>

