

Drill Down and Drill Through Functionalities in SAP BPC 7.0 M



Applies to:

SAP BusinessObjects Planning and Consolidation 7.0 Microsoft Version. For more information, visit the [Enterprise Performance Management homepage](#)

Summary

A How-To-Guide for using drill down and drill through functionalities in SAP BPC 7.0 M

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Drill Down and Drill Through Functionalities

Drill Down

Drill down feature of BPC allows the user to drill down on member data within dimensions. This feature is simple to use and does not require any additional setup. This functionality is available in reports or input schedules that allow dynamic expansion. Drill Down is enabled only for parent members. We can drill down to lowest level as per the dimension hierarchy.

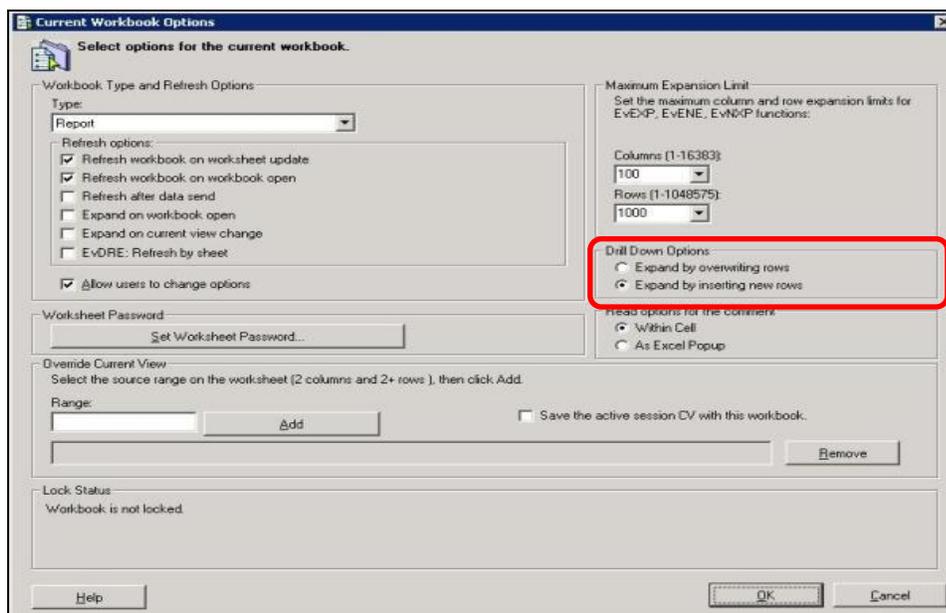
Usage

Selecting the drill down option in input schedule/report

There are two options available for drill down:

- **Expand by overwriting rows** – This overwrites the existing rows with the member on which we drill down. We can see only one member and its dependents at a time.
- **Expand by inserting new rows** – This drills down in place by inserting new rows. This helps us view the entire hierarchy.

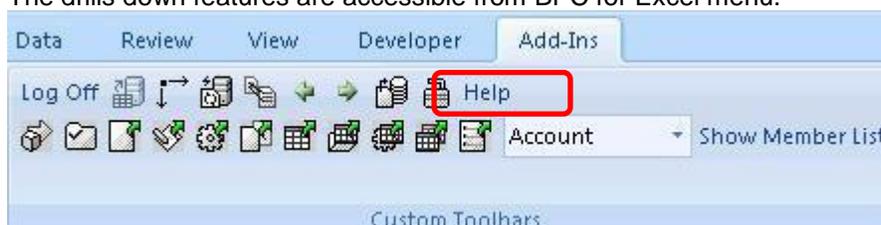
These are accessible from **eTools > Workbook Options**



Choose the required option in the template. It is set to "Expand by overwriting rows" by default.

Using drill down

The drill down features are accessible from BPC for Excel menu.



Select the member on which we want to drill down and click on . Alternatively, we can also double click on the cell or right click and select **Drill Down** in the menu that appears.

When we “drill down by overwriting rows”, we can **Go Back** and **Go Forward** by using the  and  buttons respectively. This allows us to navigate through the drill down history. The last 20 drills from the current session are saved. These buttons are disabled in case of “drill down by inserting new rows”. An example of the same is shown below.

App	MGMT_CONSOLIDATION	Management Consolidation
ACCOUNT	NetIncome	Net Income
CATEGORY	ACTUAL	Actual from GL
DATASRC	IFRS	IFRS
ENTITY	BP01_Input	Stand-alone data - Parent Company(USD)
FLOW	TotalFLOW	TotalFLOW
INTCO	All_InterCo	All Inter-company
MEASURES	Periodic	Periodic
RPTCURRENCY	USD	United States Dollar
TIME	2008.TOTAL	2008 TOTAL
		BP01_Input
		Stand-alone data - Parent Company(USD)
NetIncome	Net Income	29,200.00
PRETAXINCOME	Pretax Income	47,200.00
OPERATINGINCOME	Operating Income	50,500.00
GROSSMARGIN	Gross Margin	99,600.00
TOTREV	Total Revenue	241,900.00
COSTOFGOODS	Cost of Goods Sold	142,300.00
TOTOPEXP	Total Operating Expense	49,100.00
OTHEREXP	Other Exp	3,300.00
TAXES	Taxes	18,000.00

Double clicking on the member (after drill down) reverts back the drill down.

Drill Through

Drill through feature allows users to access source data from a report. Source can be internal/external database, the Journals database, or any URL.

Configuration Steps

Step 1: Adding the “DrillKey” property

As the first step, add DrillKey property to the dimension(s) for which you are defining the drill through. Make sure you specify the length at least equal to the length of the longest expected DrillKey.

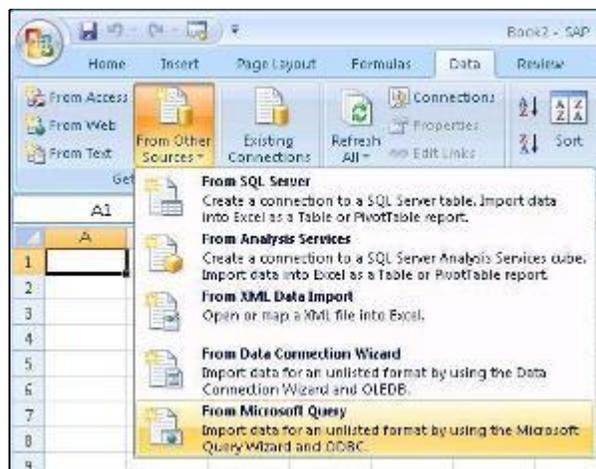
After this, devise a DrillKey value and assign that value to any member of the dimension for which you want to use drill-through. The DrillKey value can be anything. It should be entered for any member that you want to be able to access the Drill Through information.

To illustrate, we have added DrillKey property to the **Account** Dimension and entered the value **DrillSample** for the member **I_BookVal** as shown below.

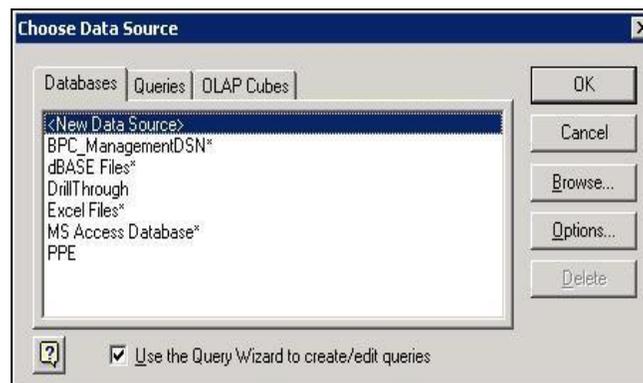
ID	DRILLKEY
I_BookVal	DrillSample

Step 2: Creating the query

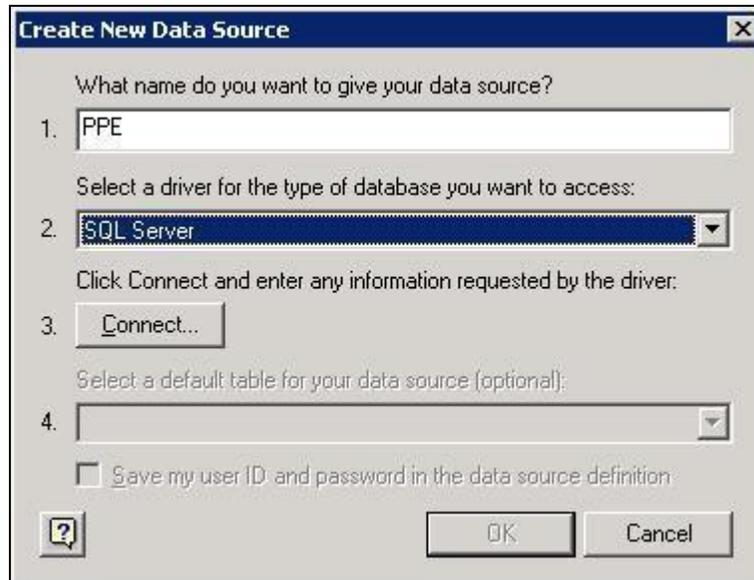
1. If you are using a database, create a database query in Interface for **Excel by choosing Data > Import External Data > New Database Query** (in Microsoft Office 2003) or **Data > From Data Source > From Microsoft Query** (in Microsoft Office 2007). Make sure that you have proper authentication to the database you are connecting to.



2. In the dialog that appears, choose **New Data Source > OK**



- Now give a name relevant to your data source and select an appropriate driver for the same. Click on connect and the screens that follow will vary depending on the driver selected.



- Enter the details as requested and create a query using the query wizard for the data source you created.

In our case we have queried a table in SQL server to get the details of account **I_BookVal**.

ACCOUNT	ASSET	ENTITY	FLOW	TIME ID	CATEGORY	DATASRC	SIGNIF DATA
Account Dept	Fund C	BF01_Input	DirectBal	20071200	Actual	neg	-10000000000
Cost	Fund C	BF01_Input	DirectBal	20071200	Actual	neg	300000000000
Account Dept	Line Item	BF01_Input	DirectBal	20071200	Actual	neg	20000000000
Cost	Line Item	BF01_Input	DirectBal	20071200	Actual	neg	20000000000
Account Dept	DNE (S)	BF01_Input	DirectBal	20071200	Actual	neg	-10000000000
Cost	DNE (S)	BF01_Input	DirectBal	20071200	Actual	neg	10000000000
Account Dept	PH_A_Costs	BF01_Input	DirectBal	20071200	Actual	neg	22800000000
Cost	PH_A_Costs	BF01_Input	DirectBal	20071200	Actual	neg	10000000000

This query gets the details of Cost and Accumulated depreciation for various asset categories that were used to arrive at the book value.

- Save the query (.dqy file) in C:\BPC\Data\Webfolders\

Step 3: Editing the drill through table

1. From the BPC Web admin page, Click on “**Edit Drill Through Table**” in the Action Pane.
2. The table has the following fields

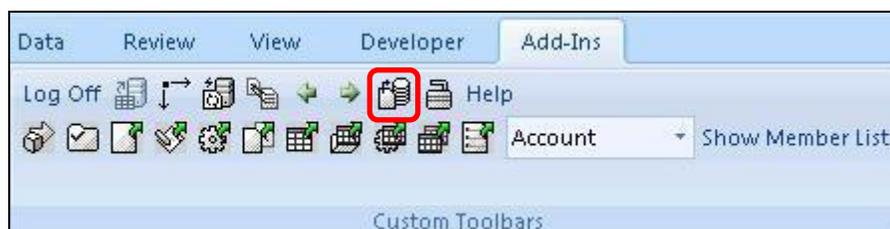
Field	Description
DrillKey	Value specified in the DrillKey property for the dimension member on which you want Drill Through.
Title	Title for the Drill Through page.
FileName	The names of your SQL Query file (.dqy). This file must reside in the QueryFiles directory under the application. For journals, a Journal.dqy file is automatically built for you. For all other external databases, you must create your own SQL Query file.
MaxRows	The maximum number of rows to display on one page (applicable only for viewing in browser)
UserID and Password	A valid UserID and Password on the database to which you are querying.

Fill in the fields appropriately and click in **Update**. Select the check box for “Delete” if you want to remove the entry. These details are updated in the table **tblDrillDef** in the database for your application set. We have filled the table as shown below.

Delete	DrillKey	Title	FileName	MaxRows	UserID	Password
<input type="checkbox"/>	DrExample	Drill Through Example	BPC.dqy	10	idm\pcsys\apocdmn	
<input type="checkbox"/>						

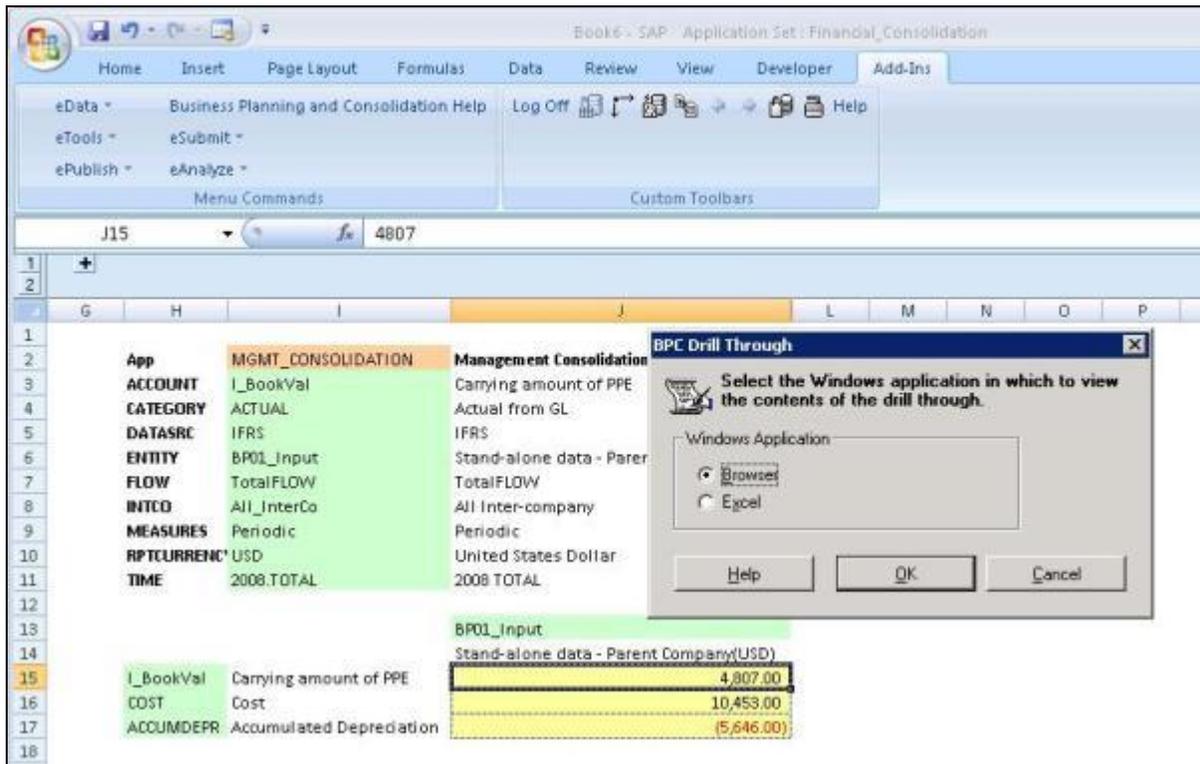
Step 4: Using Drill Through

Now that we have setup the drill-through, we can go ahead and use it in a report/input schedule. Drill through is available in reports/input schedules based on EvGTS, EvGET, EvDRE, or EvINP. This feature is accessible from BPC for Excel Menu.

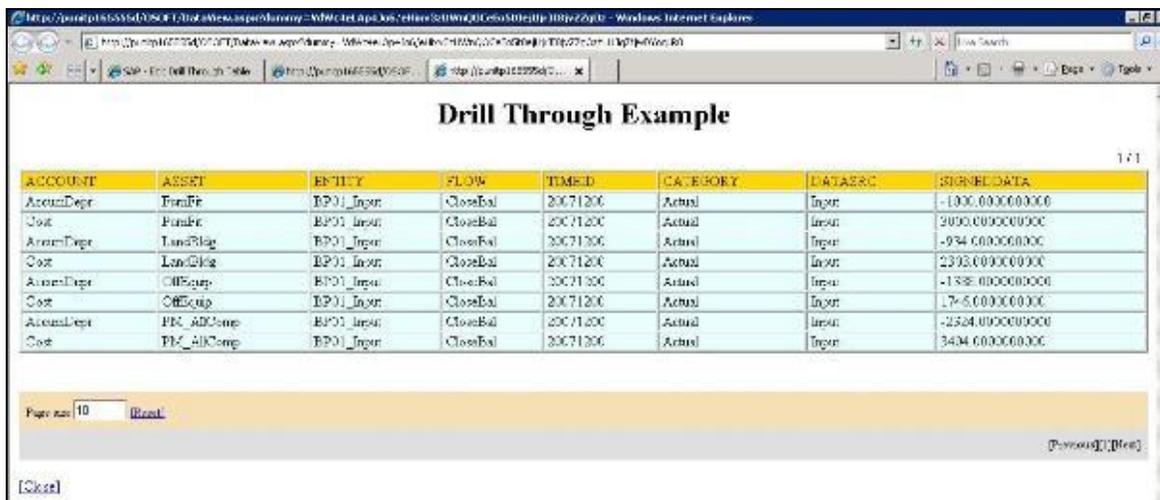


We can drill-through only those members that have value set for DrillKey property.

1. In the report/input schedule select the cell for which drill through is defined.
2. Click on  in excel menu. Alternatively we can right click in cell and choose Drill Through in the menu that appears. This will be disabled if drill through information is not available for the cell.
3. In the dialog that appears, select if you want to view the result in browser or excel. A list is displayed in case you have defined more than one drill through for the cell (DrillKey defined for more than one dimension). Select the one you want.



We choose to view the result of drill through on the Account **I_BookValue** in Browser. It appears as follows. I can be verified that the sum of **SIGNED DATA** column results in the value of the Account **I_BookValue**. Thus we have used drill through to get the details that were used to arrive at the book value.



Related Content

<http://help.sap.com>

Help available in BPC - <http://servername/OSOFT/Help/Admin/HelpStart.htm#>

For more information, visit the [Enterprise Performance Management homepage](#)

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