

Introduction

Process and Trigger

Subtotals are commonly added vertically across rows. There are times, however, when one might want to sum values horizontally across columns. This document describes how to create a cross-column subtotal for a characteristic positioned in the Key Figures area of a report.

Prerequisites

- [Introduction to BW Reporting at Boston University](#) (video)
- [Working with BW Reporting](#) (video)
- To allow you to follow the steps in this work instruction, it is assumed you are running a report in which you want to display subtotals.

Menu Path

None

Transaction

None

Tips and Tricks

- SAP uses the terms **Result** and **Overall Result** to indicate a subtotal or grand total, respectively.
- For information about adding characteristics or removing characteristics from a report, refer to the online document [BW How to - Add, Remove, or Move a Column in a Report](#).
- For information about generating subtotals or grand totals, refer to the online document [BW How to - Add a Result/Subtotal Line](#).
- Instructions calling for a mouse right-click can be executed on a Macintosh computer with a one-button mouse by holding down the **CTRL** key while clicking.

Help Guides

- [BW How to - Add, Remove, or Move a Column in a Report](#)
- [BW How to - Add a Result/Subtotal Line](#)

Instructions

Business Case: you have run a Business Warehouse (BW) report and have added a date characteristic, **Fiscal Period/Year – Payment**. Rather than display the periods and the corresponding subtotals vertically, however, you want to show the periods side-by-side and display the subtotals horizontally.

Process Steps

The screenshot shows a BW report with a vertical arrangement of Fiscal Periods. The left-hand menu is expanded to show 'Free characteristics' with 'Fiscal Period/Year - Payment Date' selected. The main table displays data for three G/L Accounts (500010, 500030, 500040) across four fiscal periods (001/2013 to 004/2013) and a 'Result' row. The 'Salary YTD (FY cumulative)' column shows values increasing over time, with the final 'Result' row highlighted in yellow.

G/L Account	Fiscal Period/Year - Payment Date	Salary YTD (FY cumulative)
500010 FACULTY FULL TIME	001/2013	5,066.67
	002/2013	5,066.67
	003/2013	432,766.19
	004/2013	432,766.19
	Result	875,665.72
500030 FACULTY OTHER	003/2013	4,250.00
	004/2013	4,250.00
	Result	8,500.00
500040 EXTRA COMP I&R	001/2013	2,952.74
	002/2013	2,952.74
	003/2013	3,952.74
	004/2013	3,952.74
	Result	13,810.96

The initial view displays Fiscal Periods in a vertical arrangement.

This screenshot shows the same BW report as the first, but with the 'Fiscal Period/Year - Payment Date' characteristic moved from the 'Free characteristics' list to the 'Columns' area. A red box highlights the characteristic in the columns, and red arrows indicate the drag-and-drop action.

Change the report so that the Periods show in a side-by-side (horizontal) arrangement.

1. Click to select the **Fiscal Period/Year – Payment Date** characteristic.
2. Drag the characteristic up and place it below **Labor distributions** in the **Columns** area.

The screenshot shows the BW report with the date characteristic in the columns. The 'Fiscal Period/Year - Payment Date' is now a column header, and the data is displayed horizontally. The 'Result' row is highlighted in yellow.

G/L Account	Fiscal Period/Year - Payment Date	001/2013	002/2013	003/2013	004/2013
500010	FACULTY FULL TIME	5,066.67	5,066.67	432,766.19	432,766.19
500030	FACULTY OTHER			4,250.00	4,250.00
500040	EXTRA COMP I&R	2,952.74	2,952.74	3,952.74	3,952.74
	Result				

The report now displays dates horizontally.

Fiscal Period/Year - Payment Date	Salary YTD (FY cumulative)			
	001/2013	002/2013	003/2013	004/2013
FACULTY FULL TIME	5,066.67			
FACULTY OTHER				
EXTRA COMP I&R	2,952.74			
EXTRA COMP I&R	63,022.22			
EXTRA COMP I&R	115,419.99			
POST DOC EXEMPT	48,287.80			
ACADEMIC RESCH EXMPT	6,475.30			
EXEMPT FULL TIME	70,282.80			
EXEMPT PART TIME	5,666.67			

Create a cross-column subtotal.

3. Right-click on one of the periods and select *Properties / Characteristic*.

Properties of Characteristic Fiscal Period/Year - Payment Date (Result Set Context)

General | Sorting | Advanced

Display: Key (Partially Compounded)

Display Results: Never

Access Mode for Result Set: Always

Never

With More Than One Value

OK Cancel

4. Click the **Display Results** drop down arrow and select *Always*.

5. Click **OK**.

G/L Account	Fiscal Period/Year - Payment Date	Salary YTD (FY cumulative)				Overall Result
		001/2013	002/2013	003/2013	004/2013	
500010	FACULTY FULL TIME	5,066.67	5,066.67	432,766.19	432,766.19	875,665.72
500030	FACULTY OTHER			4,250.00	4,250.00	8,500.00
500040	EXTRA COMP I&R	2,952.74	2,952.74	3,952.74	3,952.74	13,810.96

The result: a cross-column subtotal for each row.

Results and Next Steps

None