

Introduction

Process and Trigger

Business Case 1:

You have run a Business Warehouse (BW) report that identifies a list of objects – employee personnel numbers or purchase orders, for example – and you need to run a second BW report to get more detail on that list. If the list is short enough, you might simply want to key the list into the appropriate field on the Variable Entry screen of the second report. If the list is long, however, keying values in might be too time-consuming and prone to errors.

Business Case 2:

Similar to the previous case, you have an external file (an Excel or text file, for example) that contains a list of numbers that you want to use as input to a BW report. To do this, you need to convert the list to SAP syntax.

This document describes a technique to convert a large list of numbers to SAP syntax so they can be used to run or filter a BW report. The list of numbers to be converted might be extracted from a BW report or contained in a file external to BW, e.g., an Excel or text file.

Prerequisites

• To allow you to follow the steps in this work instruction, it is assumed you have run a BW report that contains many numbers you want to use as input to a second BW report.

Menu Path

None

Transaction

None

Tips and Tricks

- At times you may need to use your scrollbar to view additional information.
- 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.

Reports

• <u>BW How to - Filter Report Data</u>



Instructions

The following instructions assume that you have already run a BW report that contains the string of numbers you wish to convert (Business Case 1). Note that the process for Business Case 2 would be similar and would begin at step 2 below.

In this example, we will convert a list of Purchase Order numbers to SAP syntax.

- 1. Export the report output to Excel.
- 2. Within Excel, select and copy the numbers to be converted.

 Paste the copied cells into a new Excel document. In the cell to the right of the first item in the list (cell B2, in this example), enter the formula "=A2" (no quotes).

850	0097212		
860	0005366		
850	0098839		
850	0100426		
	А	В	
1	PO Number		
2	8500091951	=A2	
3	8500090688		
4	8600005366		
5	8500091950		
6	8600005346		
7	8500095182		
8	8500095174		
9	8500097212		
10	8600005366		
11	8500098839		

PO Number

8500091951 8500090688

8600005366 8500091950

8600005346 8500095182 8500095174

12 8500100426

4. In the next cell in column B (cell B3), enter this formula:

=CONCATENATE(B2,"; ",A3)

This operation will concatenate, or "glue," the result of the previous cell (B2) together with the character string "; " (a semicolon plus a space character – which SAP uses as a delimiter between numbers) and the contents of the next item in the original list (cell A3).

	А	В	С	D
1	PO Number			
2	8500091951	850009195	1	
3	8500090688	=CONCAT	ENATE <mark>(B2</mark> ,	"; ",A3)
4	8600005366			
5	8500091950			
6	8600005346			
7	8500095182			
8	8500095174			
9	8500097212			
10	8600005366			
11	8500098839			
12	8500100426			
10				

5. Next, copy the formula you built in cell B3 into the remaining cells in column B. The result will look similar to the following image.



BUworks Online Help

	A	B	C	D	E	F	G	H	1 I	J	K	L	M	N	
1	PO Number														
2	8500091951	850009195	51												
3	8500090688	850009195	1; 8500090	688											
4	8600005366	850009195	51; 8500090	688; 86000	05366										
5	8500091950	850009195	51; 8500090	688; 86000	05366; 850	0091950									
6	8600005346	850009195	51; 8500090	688; 86000	05366; 850	0091950; 8	600005346								
7	8500095182	850009195	51; 8500090	688; 86000	05366; 850	0091950; 8	600005346;	850009518	32						
8	8500095174	850009195	51; 8500090	688; 86000	05366; 850	0091950; 8	600005346;	850009518	32; 8500095	5174					
9	8500097212	850009195	51; 8500090	688; 86000	05366; 850	0091950; 8	600005346;	850009518	32; 8500095	5174; 85000	97212				
10	8600005366	850009195	51; 8500050	688; 86000	05366; 850	0091950; 8	600005346;	850009518	32; 8500095	5174; 85000	097212; 860	0005366			
11	8500098839	850009195	51/ 5500090	688; 86000	05366; 850	0091950; 8	600005346;	850009518	32; 8500095	5174; 85000	097212; 860	0005366; 8	500098839		
12	8500100426	850009195	51; 8500090	688; 86000	05366; 850	0091950; 8	600005346;	850009518	32; 8500095	5174; 85000	97212; 860	0005366; 8	500098839	850010042	6
12															

6. Finally, select and copy the contents of the last cell in column B – cell B12 in this example. This is the data you will use as input to the second BW report.

Using the Converted Data as Input to a Second BW Report

There are myriad ways to use the converted data as input to a BW report. The following examples consider two of the possibilities:

Input via variable entry

Paste the converted numbers into the appropriate field in the variable list.

Because we converted a string of PO numbers, this is the input field into which we paste the revised numbers.

Enter other field information as required and click OK to run the report.

Ger	General Variables							
	Variable ≟ [∓]	Current Selection	Description					
*	Period/Fiscal Year	001/2013; 002/2013; 003	001/2013; 002/2013; 003/2013; 004/2013;					
	Vendor	L I						
	PO #	8500091951; 850009068	8500091951; 8500090688; 8600005366;					
	Invoice #	P						
	Fund Center	L I						
	Cost Center	L I						
	Internal Order	P						
	WBS Element	٦						
	Asset Sub-Number	L I						
	Document type	P						
	Product Category	L I						
			OK Check Cancel					

Input via a Filter

If a field is not available to you in the Variable Entry list, you may first need to run a report and then filter using the converted list after the report has run.

In this example, we filter on the PO Number field (for a full description of filtering, refer to the help document <u>BW How to - Filter</u> <u>Report Data</u>).

				With	Wi	thout	Tota	I Invoiced
			_	Purchase Order	Pu	rchase Order	Amo	unt -
G/L Acc	ount ≞	PO #	t 🔟	S				S
191400	MOVEABLE EQUIPMENT	850	Back		•			13,021.61
		850	Filter		•	Select Filter Va	lue	7 851 00
			Change	Drilldown	•	Remove Filter \	/alue	1,001.00
		850	Broadc	ast and Export	►	Variable Scree	n	116,766.70
		850	Save V	iew				5,740.44
		850	Persona	alize Web Application	•			11,607.11
		850	Propert	ies	-			10,335.65
		850	Calculat	tions and Translations				6,320.00
510010	SUPPLIES	850	Docume	ents	•			2.82
		850	Sort PO	#	•			700.22
		8500	052514	188.50				188.50



- 1. When the filter window displays, click in the *Enter a value for PO #* field and paste the converted list of purchase order numbers.
- 2. Then click the **Add** button.

3. Once the converted PO numbers have been moved to the Selections column, click the **OK** button to activate the filter.

Select values for PO # (0BBP_PO_ID)	X
Show tool: Single values V Show view: All V	6 1
All	Selections
Maximum Records: 1000 Refresh	🗌 Select All 📄 📕
PO #: Key≟™	Type Description
¥	
8500036878	
8500038369 8500039540	
8500040832	
8500043030 8500043062	
8500043063	
8500043384 室	
PO #:	Change Order 💌 🔟
	OK Cancel



Results and Next Steps

None