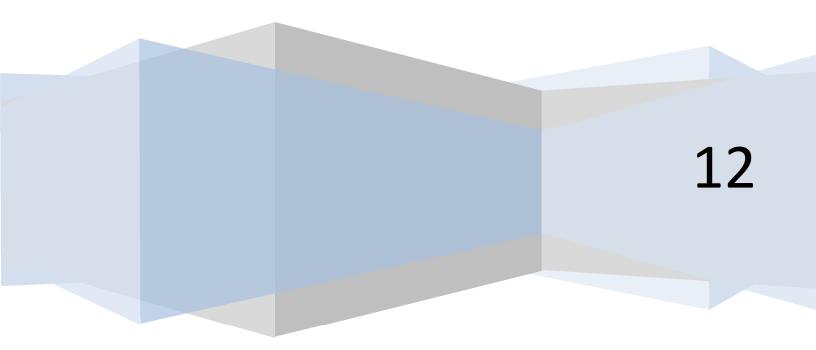


User Guide

NAZDAQ - Nazareth Data Quest



User Guide

NAZDAQ – Nazareth Data Quest

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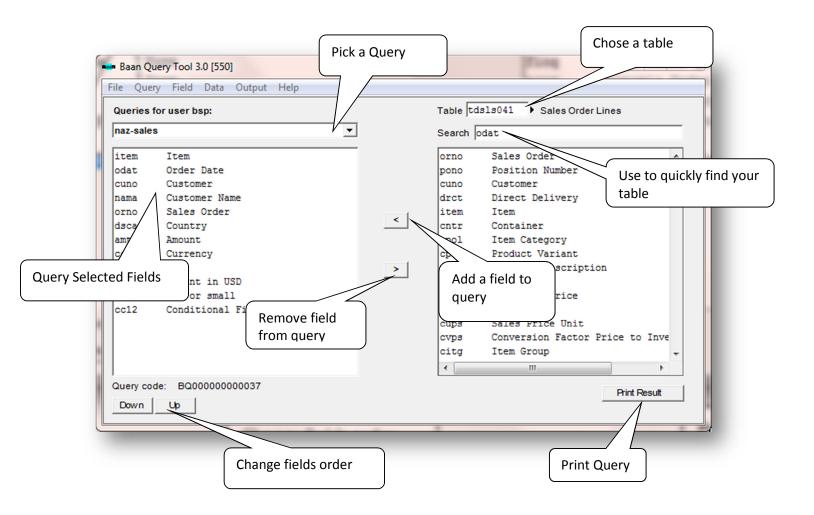
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1 Introduction

There is a new and elegant way to create queries and ad-hoc reports on your Baan data: **bQuery-Tool**. This Baan session comes with an easy to use graphical interface which allows you to create dynamic queries from your Baan database.



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2 Make a Query

2.1 Create a new Query

In *bQuery-Tool* you can create a query that display a table, with the field you want, from one or more tables in the database.

To create a Query in *bQuery-Tool*:

- 1) You need to open *bQuery-Tool* session, If you don't know how ask your administrator
- 2) The following screen will be displayed:



To start working in a new Query click on menu bar: Query -> New and insert a query name

- 3) Now you have a new query with a new name
- 4) You can view all your queries from this drop down control under Queries for user<username>

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Queries for user bsp:		Table	-,	
	1			
test 🗸 💌]	Search		
Ehab-BigCustomers				
Maintenance customers 1				
Worth Trying customers				
Pricing				
Jamal				
aziz				
manual	<			
Semantic Demo				
ehab-ester -				
naz-sales-by-country	>			
CRM Contact Data				
resellers				
test				
Query2				
33				
ehab-cus				
mmb2w				
Outer Example				
PO TEST				
sales-report .				Print Result

2.2 Delete Query

You can delete the query you created by loading the query and click on menu: **Query -> Delete**

2.3 Rename a Query

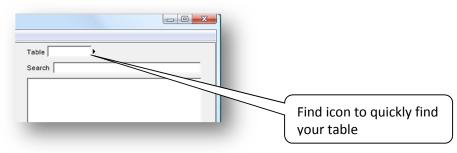
You can rename the query you created already by loading the query and clicking on menu: *Query -> Rename*, insert a new name and click ok

2.4 Add Fields to Query

Now after you have created a new query, you are ready to add fields to it.

To add fields to query:

1) Choose the table



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If you have the table name insert it on the table field, if not click on find icon and a selection window appears:

Display	All Tables		Ok
	Tables by Des		Cancel
Display	Current Query	/ Tables	Calicer

"Display All Tables" will go to the standard Baan session "Display Tables"

"Display Tables by Description" will open a new window that will allow searching for the table by description and table code

"Display Current Query Tables" will display only the tables that are used in the current query.

For example if we click on Display Tables by Description, a window like this appears, in Search field we insert *"Sales order"*

tds15040 - Sales Orders tds15041 - Sales Order Lines tds15042 - Specific Addresses (Sales Orders) tds15043 - Bill of Lading Data (Sales Orders) tds15044 - Unblocked Sales Orders to the Sales tds15047 - Sales Order Bills of Material tds15050 - Sales Order History tds15051 - Sales Order History tds15701 - Sales Order Acknowledgment Code Assign tds15703 - Sales Order Acknowledgments Codes	Cancel
---	--------

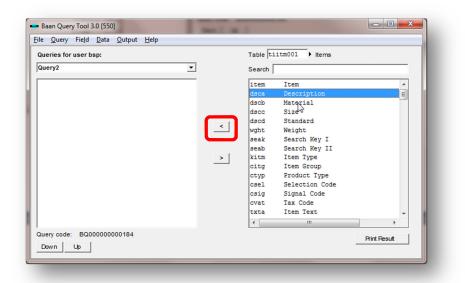
Select a table from the list and click **Ok**

2) Add fields

Add the fields you want from the table, by selecting the field and click the add button (marked in red)

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You can also find fields without knowing the 4 letter code. You can simply search for a certain field using the "Search" that performs a search on both the field name and field description.

As an example, if we want to add the Delivery Date for a sales order line but are not sure of the name of the field, we can simply search for "Date" as below and the only fields that contain "Date" in their names will appear, making our life easier in choosing a field.

ueries for user bsp:		Table ti	litm001 🕨 Items	
uery2	•	Search		
tem Item		item	Item	^
sca Description		dsca	Description	=
scb Material		dscb	Material	
itm Item Type		dscc	Size	
itg Item Group		dscd	Standard	
war Warehouse	<	wght	Weight	
		seak	Search Key I	
		seab	Search Key II	
	>	kitm	Item Type	
		citg	Item Group	
		ctyp	Product Type	
		csel	Selection Code	
		csig	Signal Code	
		cvat	Tax Code	
		txta	Item Text	-
		٠		P P
uery code: BQ00000000184				Print Result

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Printing a simple Query

Queries created can be printed to Baan devices. The following is an example of printed a simple query.

1) To Print a Query, press "Print Result"

Queries for user bsp:		Table tiitm001 • Items
uery2	•	Search date
item Item dsca Description dscb Material kitm Item Type citg Item Group cwar Warehouse	<	<pre>lcod Last Counting Date ltdt Last Inventory Transaction Date umer Update Method E-Item Relation fodt First Allowed Order Date auso Update Inventory/Order Data ltpp Last Purchase Price Transaction D ltsp Last Sales Price Transaction Date ltcp Last Cost Price Transaction Date</pre>
Query code: BQ00000000184 Down Up		Print Result

2) A windows like this appears (Query Form)

	From		То	
tem		-	2222222222222222	Continue
escription		-	222222222222222222222222222222222222222	Cancel
laterial		-	22222222	Save Defaults
em Type	Purchased	-	Subcontracting	Clear Defaults
em Group		-	222222	
Varehouse		-	222	

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		Order Tools	Las Isa Isa Isa	Last - Last	1
	<u>* • * 4</u>		<u> </u>	T * ?	
Device	D	 Disp 	lay		
Driver					Continue
Туре	Screen				Cancel
Paper Type					
Page Width	80	Prev	riew 🗆		
Template Code				•	
File					
Output File					
Output File					
Output File					
Output File Print- Date		Time	00:00		
Output File Print Date Copies					
Output File Print Date Copies From Page		Time To Page	00:00		
Output File Print Date Copies					
Output File Print Date Copies From Page Paper Type					
Output File Print Date Copies From Page Paper Type Font		To Page			
Output File Print Date Copies From Page Paper Type Font Paper Width		To Page Orientation	999999		

3) Click Continue button and you get the option to choose a device

4) After we specify the device, query results will be printed (Query Report Output).

File Options Help						
E [™] Ma (A> 4> 4> 4> ?						
Date : 06-01-12 [13:27] Demonstration_Data		Sales Query				Page : 1 Company : 090
tem Code	Price	Description	Ordered Quantity	Tax Country	Sales Order Amount	;
PCX CONVEYOR	3000.0000	Portable Model PCX conveyor	1.0000	NLD	SL0000002	3000.0000
PCX PULLEY SPARE SET		Pulley spare set	2.0000	NLD	SL0000003	0.0000
PCX CONVEYOR		Portable Model PCX conveyor	1.0000		SL0000004	3000.0000
NOTEBOOK-2GHZ -1024MB-30GB		Mobile system	5.0000		SL0000017	0.0000
PCZ-GEARBOX	100.0000		4.0000		SL0000020	400.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000020	100.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000020	100.0000
PCZ-GEARBOX PCZ-GEARBOX	100.0000		1.0000		SL0000020 SL0000020	100.0000
FC2-GLARBOX SLOOD021COMGEN		COMPUTER GENERIC	1.0000		SL0000020 SL0000021	0.0000
COM		COMPUTER GENERIC	1.0000		SL0000021 SL0000021	850.0000
LOODO21COMTO		Computer to Order	1.0000		SL0000021	850.0000
PCX CONVEYOR		Portable Model PCX conveyor	1.0000		SL0000021	3000.0000
PCZ-GEARBOX	100.0000		4.0000		SL0000025	400.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.0000
PCZ-GEARBOX	100.0000		1,0000		SL0000025	100.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.0000
PCX CONVEYOR		Portable Model PCX conveyor	1.0000		SL0000026	3000.0000
PCX CONVEYOR		Portable Model PCX conveyor	1.0000		SL0000027	3000.0000
NOTEBOOK-2GHZ -512MB -30GB		Mobile system	1.0000		SL0000030	0.0000
•	III					
					Page 1	

The Query Form and the Query Report output can be customized to enable greater possibilities and flexibility as we can see in the following chapters.

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Add Enumeration, Text and Array Fields

bQuery-Tool supports working with Enumerated fields and Text fields and array fields, unlike non-Baan query and reporting tools that do not recognize these fields.

As an example, if you add field *tiitm001.kitm* (Item Type) to your query, *bQuery-Tool* recognizes this as an enumerated field. In the Form, you will be able to choose between Manufactured, Purchased and so on. In the report output, these values will appear instead of the number (between 1 and 6).

From	То
tem	- ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
Description	- zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz
Material	- zzzzzzzz Save Defaults
tem Type Purchased	Subcontracting Gear Defaults
tem Group Purchased A	- ZZZZZZ
Warehouse Generic	- 222
Cost	

If we choose a field that is a Text field, the text that is associated will be printed in the query report (and not the "text number").

File Options Help Image: Construction of the second secon	▶ H ?			
Manufactured Generic Manufactured Manufactured	12625 Model D 13695 Generic computers 14650 Model Cheetah	301 301 301 301		-
	There is a new and elegant way to create que from within Baan or ERP Ln: Baan Query Tool. The webinar will include a live demo to show	•		
	queries using Baan Query Tool's strong integ dealing with some of the special features of use graphical user interface will be demonsi exported to Excel templates where further c. reports can be automatically generated.	gration with Baan F the Baan data. trated, while dat	, and The easy to a is]
Manufactured Manufactured Manufactured Manufactured Manufactured Purchased	queries using Baan Query Tool's strong integ dealing with some of the special features of use graphical user interface will be demonst exported to Excel templates where further ca	gration with Baan f the Baan data. trated. while dat alculations and s 301 101 301 201 201 101	, and The easy to a is	

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	From			То	
Customer Name		-	-	222222222222222222222222222222222222222	Continue
Customer No.			-	222222	Cancel
Status		•	-	2222222222222222222222222	Save Defaults
Turnover	-999999999999999999		-	9999999999999999999999999999	Clear Defaults
	-99999999999999999999999999999999999999		-	999999999999999999999999999	
	-999999999999999999999999		-	9999999999999999999999999999	
	-99999999999999999999999999999999999999		-	9999999999999999999999999999	
	-99999999999999999999999999999999999999		-	9999999999999999999999999999	

You can also chose a field that is an array and *bQuery-Tool* will let you print a specific range of each value of the array

Array will also be visible in output results

Date : 05-01-12 [14:09] NAZDAQ Live	test					Page Company	: 1 : 200	
Name	City	Turnover						
Komatsu Hanomag	Hannover	0.0000	0.0000	0.0000	0.0000	0.0000		
Grindmaster Corp.	Louisville, KY	0.0000	0.0000	0.0000	0.0000	0.0000		
Varitronix Limited	Tseung Kwan O,	0.0000	0.0000	0.0000	0.0000	0.0000		
Kistler Instrumente AG	Winterthur	0.0000	0.0000	0.0000	0.0000	0.0000		
Technical Concepts	Mundelein, IL	0.0000	0.0000	0.0000	0.0000	0.0000		
Philips Semiconductors Calamba		0.0000	0.0000	0.0000	0.0000	0.0000		
E-One	Ocala, FL	0.0000	0.0000	0.0000	0.0000	0.0000		
Buckman Laboratories Intl.	Memphis, TN	0.0000	0.0000	0.0000	0.0000	0.0000		
DO NOT USE	Quincy, IL	0.0000	0.0000	0.0000	0.0000	0.0000		
Harison Toshiba Lighting Corp.	Imabari, Ehime Prefecture	0.0000	0.0000	0.0000	0.0000	0.0000		
KVH Industries, Inc.	Middletown, RI	0.0000	0.0000	0.0000	0.0000	0.0000		
Sibos AG	Einsiedeln	0.0000	0.0000	0.0000	0.0000	0.0000		
Molapo Technology (Pty) Ltd	Pretoria	0.0000	0.0000	0.0000	0.0000	0.0000		
GKN Sinter Metals	Auburn Hills, MI	0.0000	0.0000	0.0000	0.0000	0.0000		
Harsco Track Technologies	Cayce-West Columbia, SC	0.0000	0.0000	0.0000	0.0000	0.0000		
CEECO Machinery Mfg. Ltd.	Concord, Ontario	0.0000	0.0000	0.0000	0.0000	0.0000		
MAHA Mashinenbau Haldenwang GmbH	Haldenwang	0.0000	0.0000	0.0000	0.0000	0.0000		
Dualite	Williamsburg, OH	0.0000	0.0000	0.0000	0.0000	0.0000		

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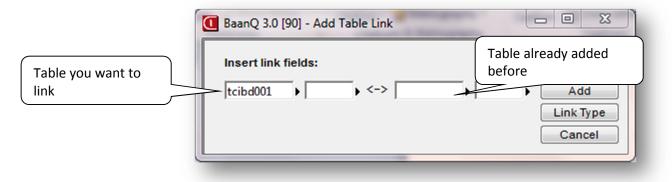
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2.5 Add Fields from a second Table (Table Linker)

In the same query you can add fields from more than one table, and link these tables together using a common field that you can select whenever a field from another table is added.

After you added fields from the first table to your query, you can add fields from another table by these steps:

- 1) Find the second table that you wish to have fields from it
- 2) After you have the table selected, add fields to query and a window will be opened



3) Specify a field from both tables that is common for both of them to establish the link using it. You can browse tables already linked in this query, and browse field inside the selected table

Ok	Cancel	
	Ok	Ok Cancel



4) After this you can add any field from this second table

Note: You can repeat this by adding a third or more tables to query

To view or maintain a link between two tables in the query:

On menu click: Query -> Table Linker

Tables' links:	
tcibd001.item = tdsls401.item	Add Link
	Link Type
	Remove Link
	Ok
	Cancel
Descriptions:	
(Sales Order Lines).Item = (Items - General).Item	

The possible actions for each link are the following:

- Add Link add another link to query (same as we did above)
- Link Type Change an already existing link with 3 link types available:



- Remove Link – we can remove already exists link from this query

Example:

We want to create a query that displays Sales Orders lines with customer name and Item description with price and quantity for each line

In order to display all this information we need to link 3 tables together:

- tdsls401 That contains Sales order Lines.
- tcibd001 we link this table to get item description

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Here is an example of the query in *bQuery-Tool* (To view field details on menu click: *View -> View Fields Details*):

ueries for user baan:	Table tdsls401 Sales Order Lines
ales Query 👻	Search
dsls401.item Item Code dsls401.pric Price ccbd001.dsca Description dsls401.qoor Ordered Quantity dsls401.ccty Tax Country dsls401.orno Sales Order dsls401.damt Amount	<pre>acti Obsolete akcd Sales Acknowledgment amld Order Line Discount Amount amod Order Discount Amount bind Quantity Unit Binding bkyn Blocked bpcl Tax Classification bptc BP Tax Country bqco Back Order Quantity Confirmed casi Additional Statistical Informat ccof Contract Sales Office ccty Tax Country cdec Terms of Delivery cdis Discount Code ceno Exempt Certificate cfrw Carrier chan Channels citg Obsolete</pre>

Print Results for this query:

File Options Help						
Date : 06-01-12 [13:44] Demonstration_Data		Sales Query				Page : Company : 09
Item Code	Price	Description	Ordered Quantity	Tax Country	Sales Order	Amount
PCX CONVEYOR	3000.0000	Portable Model PCX conveyor	1,0000	NLD	SL0000002	3000.0000
PCX PULLEY SPARE SET		Pulley spare set	2.0000	NLD	SL0000003	0.0000
PCX CONVEYOR		Portable Model PCX conveyor	1.0000		SL0000004	3000.0000
NOTEBOOK-2GHZ -1024MB-30GB		Mobile system	5.0000		SL0000017	0.0000
PCZ-GEARBOX	100.0000		4.0000	NLD	SL0000020	400.0000
PCZ-GEARBOX	100.0000	Gearbox	1.0000	NLD	SL0000020	100.0000
PCZ-GEARBOX	100.0000	Gearbox	1.0000	NLD	SL0000020	100.0000
PCZ-GEARBOX	100.0000	Gearbox	1.0000	NLD	SL0000020	100.0000
PCZ-GEARBOX	100.0000	Gearbox	1.0000	NLD	SL0000020	100.0000
5L000021COMGEN	0.0000	COMPUTER GENERIC	1.0000	NLD	SL0000021	0.0000
COM	850.0000	Computer	1.0000		SL0000021	850.0000
SL000021COMTO		Computer to Order	1.0000		SL0000021	850.0000
PCX CONVEYOR	3000.0000	Portable Model PCX conveyor	1.0000		SL0000022	3000.0000
PCZ-GEARBOX	100.0000	Gearbox	4.0000	NLD	SL0000025	400.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.0000
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.0000
PCX CONVEYOR		Portable Model PCX conveyor	1.0000		SL0000026	3000.0000
PCX CONVEYOR		Portable Model PCX conveyor	1.0000		SL0000027	3000.0000
NOTEBOOK-2GHZ -512MB -30GB		Mobile system	1.0000		SL0000030	0.0000
MON	262.0000	Monitor	10.0000	NLD	SL0000038	0.0000
•	III					•
					Page 1	

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2.6 Add Calc. fields

In *bQuery-Tool*, we can define formulas that calculate a result from table fields and other formulas.

To create a new formula and add it to a query:

1) On menu click: *Field -> Add Calc Field*

Layout —	
Field Name	ff10
Description	Formula - 10
Data Type	Long Format
Column width	0
Alignment	Default
Formula —	
(> • • •)
	•
(• • • • •)
Options	
Include fiel	d in result
	Add Cancel

Form fields:

- a. *Column name* name of formula field. Default is generated by BQT.
- b. *Column Description* Description of column, as it will be displayed in the report.
- c. *Column Type* Data Type of the formula field: Possible values are Date, Long, Double
- d. *Column Width* specify the column width as it will be displayed in the report.
- e. *Column alignment* formula alignment in report. Options are: *Default, Center, Right* and *Left*

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f. **Column format** – formula format. You can chose from a list of formats that are supported in your Baan system. Sample expression of 1234.00 (or 1234,00) is displayed to ease the choice of the format.

002: 1234.00	
003: 1234.00	=
004: 1234.0000	
005: 1234.00	
006: 1234.00	
007: 1234.0000	
008: 1234.00	
009: 1234.000000	
010: 1234.00	
020: 1234.0000	
021: 1234.00	
095: 1,234.00	
096: 1,234.00	
400: %	
710: %	
coz. «	Ŧ
0	k Cancel

2) Specify the formula

Formulas may include 2, 3 or 4 fields.

<Field1> <Operator> <Field2>

Or

(<Field1> <Operator> <Field2>)
<Operator>
(<Field3> <Operator><Field4>)

Operators supported are +, -, *, /

Example of a formula:

We want to display all the sales order lines amount in database, with their items and price.

The formula is (Item price * ordered quantity)

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eries for user baan:	Tab	e tdsls401 • Sales Order Lines	
ales Query 🗸	Sea	rch	
dsls401.item Item Code dsls401.pric Price cold001.dsc Description dsls401.qoor Ordered Quantity dsls401.cry Tax Country dsls401.orno Sales Order formula.ff07 Amount/Item	am am bin bir bir bir bir bir bir bir ca	d Sales Acknowledgment d Order Line Discount Amo d Order Discount Amount d Quantity Unit Binding m Blocked control Sales Country to Bs Tax Classification i Additional Statistical f Contract Sales Office y Tax Country to Terms of Delivery s Discount Code to Exempt Certificate w Carrier n Channels	nfirmed

Table we will use is *tcibd001*. The Query is the following:

Formula named: Amount /Item

Layout	
Column Name	ff07
Column Description	Amount/Item
Column Type	Double -
Column width	0
Column alignment	Default 👻
Column format	001 1234.00
Formulas	
(tdsls401.qoor	tdsls401.pric)
(]	• • • • • • • • • • • • • • • • • • •
Options	
Include field in res	sult

Now output results will be like this:

File Options Help						
달 Ma Ma 수 수 위 ?						
Date : 06-01-12 [14:01]		Sales Query			Pa	
Demonstration_Data					Co	mpany : 09
tem Code	Price	Description	Ordered Quantity	Tax Country	Sales Order	Anount/Item
ven oode			ordered guanoroj	run counter]	Durco order	Paro dato / 1 o cat
PCX CONVEYOR	3000.0000	Portable Model PCX conveyor	1.0000		SL0000002	3000.00
PCX PULLEY SPARE SET	400.0000	Pulley spare set	2.0000	NLD	SL000003	800.00
PCX CONVEYOR	3000.0000	Portable Model PCX conveyor	1.0000	NLD	SL0000004	3000.00
NOTEBOOK-2GHZ -1024MB-30GB	1950.0000	Mobile system	5.0000		SL0000017	9750.00
PCZ-GEARBOX	100.0000		4.0000		SL0000020	400.00
PCZ-GEARBOX	100.0000		1.0000		SL0000020	100.00
PCZ-GEARBOX	100.0000		1.0000		SL0000020	100.00
PCZ-GEARBOX	100.0000		1.0000		SL0000020	100.00
PCZ-GEARBOX	100.0000		1.0000		SL0000020	100.00
5L000021COMGEN		COMPUTER GENERIC	1.0000		SL0000021	0.00
COM	850.0000		1.0000		SL0000021	850.00
SL0000021COMTO		Computer to Order	1.0000		SL0000021	850.00
PCX CONVEYOR		Portable Model PCX conveyor	1.0000		SL0000022	3000.00
PCZ-GEARBOX	100.0000		4.0000		SL0000025	400.00
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.00
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.00
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.00
PCZ-GEARBOX	100.0000		1.0000		SL0000025	100.00
PCX CONVEYOR	3000.0000	Portable Model PCX conveyor	1.0000		SL0000026	3000.00
PCX CONVEYOR		Fortable Model PCX conveyor	1.0000		SL0000027	3000.00
NOTEBOOK-2GHZ -512MB -30GB MON	262.0000	Mobile system	1.0000		SL0000030 SL0000038	1770.00
	262.0000	Monitor	10.0000	INLD	1270000038	2620.00
< [m					
				Page	1	
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2.7 Add aggregation functions

In *bQuery-Tool*, we can define a group by field using functions such as: sum, avg, min, max and count.

To create a new formula and add it to a query:

1) On menu click: Field -> Function Field

Aggregation Funct	ion —					
ield Name aa	01		_			
unction sum	On field	tdsls041.	oqua 🕨	For eac	h 🗌	
Layout	,				,	
	Total Quar	tity				
ext after field	local guar	ICICY		_		
		-		_		
Data Type	ng 💌	Format	002		1234.00	
Offset result Let	t 💌	Distance	0			
Options —						
Include field in r	esult					
					ок	Cancel

Form fields:

- a. *Field name* Name of function field. Default is generated by BQT.
- b. *Function* Choose functions such (sum, avg, min, max and count) to be calculated on the chosen field.
- c. **On Field** Choose the field which will be calculated by the function.
- d. For each You can choose the field on which you want to group by.
- e. **Text Before field** You can define the text description before the value of the function field in the report. Additional sort fields values can be add as variables : SORT1, SORT2, SORT3, SORT4

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- f. **Text After field** You can define the text description after the value of the function field in the report. Sample expression of 1234.00 (or 1234,00) is displayed to ease the choice of the format.
- g. Data Type Data type can be determined. Options are: long, double and string.
- h. *Format* Function field result data format. You can chose from a list of formats that are supported in your Baan system. Sample expression of 1234.00 (or 1234,00) is displayed to ease the choice of the format.

006: 1234.00 007: 1234.0000 008: 1234.00	E
004: 1234.0000 005: 1234.00 006: 1234.00 007: 1234.000 008: 1234.00	Ш
005: 1234.00 006: 1234.00 007: 1234.000 008: 1234.00	
006: 1234.00 007: 1234.0000 008: 1234.00	
007: 1234.0000	
008: 1234.00	
009: 1234.000000	
010: 1234.00	
020: 1234.0000	
021: 1234.00	
095: 1,234.00	
096: 1,234.00	
400: %	
710: %	-
CO7. 8	

- i. *Offset result* define the position of the result field by setting the offset (Left or Right) and the
- j. Distance distance of the offset in characters.

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2.8 Add conditional field

In *bQuery-Tool*, we can define a conditional field and Columns can get a certain value based on results of the logical condition.

To create a new formula and add it to a query:

1) On menu click: Field -> Conditional Field

Layout ——	
Field Name	cc8
Description	Conditional Field - 8
- IF function —	
Logical Condit	ion tiitm001.dsca 🕨 = 💌 Mac - Holand 🕨
Value if true	Mac - Holand
Value if false	• • • • • • • • • • • • • • • • • • •
Settings	
Data Type	String
Column width	0
Options	
✓ Include fiel	d in form 🔽 Include field in result
	OK Cancel

Form fields:

- a. Field name Name of the conditional field. Default is generated by BQT.
- b. *Description* Description of the conditional field.
- c. **Logical Condition** You can choose the field where you want to have the condition applied on it using the operators: =, <>, > , < , >=, <=
- d. *Value if true* You can define the value in the result in case the condition result is true.
- e. *Value if false* You can define the value in the result in case the condition result is false.
- f. Data Type Data type can be determined. Options are: long, double and string.
- g. Column Width Define the width for the conditional field to override the default.

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3 Customizing the Query form

When Printing Query results, we acquire this window where we can specify the ranges of each field:

	From		То	
ltem	· ·	-	222222222222222	Continue
ltem Type	Purchased	-	Subcontracting	Cancel
Description		-	222222222222222222222222222222222222222	Save Defaults
Material Costs	-99999999999999999999999999999999999999	-	9999999999999999999999999	Clear Defaults
Sales Order	0	-	999999	

3.1 Hiding Fields from Query

All query fields are automatically populated to the form. We may decide to hide some fields or show them. This is done by field settings -> uncheck "*Include field in form*"

Include field in form	🔽 Inclu
Zoom to	•

If all the fields in the query have this option unchecked, we will not have a form at all.

If we have a form with few fields, but wish to hide it for a special reason (run in job for example), we can hide it by going to the menu: **Options -> Device** and check "Hide Print Form". Once we uncheck this option, the form will return as it was before.

3.2 Save Defaults in the Form

If you made some changes to a form and want them to be saved for further use, click on "Save Defaults" button. Every time we print this query, the form will receive the same values we have saved. We may decide to "hide" the fields we have added values to. This is a way to give hard coded constrains on the query.

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3.3 Zoom into a Session

For fields that are related to tables, we can specify a zoom session, in order to better browse the table for a list of values available for this field

For example:

If the Item is one of our form fields, we can specify to zoom to session *tcibd0501m000*. Inserting a Zoom session is done manually or by zooming to the session Display Sessions. It is recommended you find the zooming session in a standard Baan session and copy the code number.

tdsls401.item - Item	
Domain: tcitem - Ty	pe: Sinng
-Layout	
Column description	Item Code
Column width	0
Column alignment	Default -
Column format	· · · · · · · · · · · · · · · · · · ·
Options	,
	rm 🔽 Include field in result
Zoom to tcibd0501	Lm000 Items - General
Return Field	•
	OK Cancel

When printing this query, we get a zoom icon next to Item field

	From		То	
tem	,	-	222222222222222	Continue
tem Type	Purchased	-	Subcontracting -	Cancel
Description		-	222222222222222222222222222222222222222	Save Defaults
Material Costs	-999999999999999999999999999	-	99999999999999999999999999	Clear Defaults
Sales Order	0	-	999999	
	and the second second			

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Using this we are able to browse for giving a better range constrain on our query

-	tc Comm			OK
Sess	ion	Description	Workflow Enabled	▲ Cancel
ibd	0501m000	Items - General	Single/Not Redoable	
ibd	0502m000	Items - General Defaults	Single/Not Redoable	Find
ibd	0504m000	Item Codes by Item Code System	Single/Not Redoable	Filter
ibd	0505m000	Alternative Items	Single/Not Redoable	
ibd	0505m100	Items by Alternative Item	Single/Not Redoable	Help
ibd	0510m000	Date-Effective Item Data	Single/Not Redoable	
ibd	1400m000	Print Item Inventory	Single/Not Redoable	
ibd	1500s100	Item Inventory	Single/Not Redoable	
ibd	2100s000	Item - Ordering	Single/Not Redoable	
ibd	2101s000	Item - Ordering Defaults	Single/Not Redoable	
ibd	2400m000	Print Items - Ordering	Single/Not Redoable	
ibd	2401m000	Print Items - Ordering Defaults	Single/Not Redoable	

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4 Filtering output

You can the output results using operators such as: Equal, Not Equal, Greater, Greater/Equal, Less, Less/Equal, Like and Not Like.

To do this on menu click: *Data -> filter*, a window like this appears

1. tcibd001.citg	•	Equal	•	004	•	Ok
2.	•		•		•	Cancel
3.	-		•		•	
4.	-		•		•	
5.	-		•		 •	
5.	-		•		•	
	-		•		 •	
3.	-		•		 •	
9.	-		•		•	
10.	-		•		 •	

This option is available to the programmer of the report and can't be changed during run-time. When several filter conditions are defined they will all be applied together (and).

5 Sorting output

You can sort the output results by specific fields.

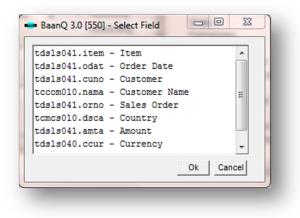
To do this on menu click: *Options -> Sort, a window like this appears*

BaanQ 3.0 [90] - Sort		
Sort by:		
tcibd001.item	•	Ascending
		Descending
tcibd001.wght	•	Ascending
		Descending
	•	Ascending
·		Descending
	•	Ascending
		Descending
0	k	Cancel
	_	

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You can zoom for what field you want to sort by:



Ascending and descending sorting are available.

Note: You can't sort according to a formula field

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6 Customizing Query Layout

The appearance of every field in the query report can be customized for better presentation.

In order to customize a certain field appearance, double click on the field on the left pane, and a window similar to this will appear

tdsls040.ccu	r - Currenc	;y			
Domain: tccc	ur - Type:	String			
- Layout —					-
Column des	cription C	urrency		_	
Column widt	h o				
Column alig	nment)efault	•		
Column form	nat 🗌	•			
Options —					_
🔽 Include fi	eld in form	🔽 Include	field in resu	It	
Zoom to		•			
		ОК	Cano	- I	

The following options are available.

- Rename Column Description to a new description
- Specify a specific size for column width to appear in output (to override default that may be too big)
- Change column alignment in output results (including column data and column title). The following options are available:

Default – Field default from Baan/ERP Ln Center, Right, Left

- Specify the format of the field as it will be displayed in the result. The formats available are the ones defined in the system.

Include field in results

If this option is checked the field will appear in output result (Default is Yes for all fields). In order to hide a field from the output, uncheck it.

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7 Output Options

For automating the process of generating queries, you can save your default print device and the output file for each query (the parameter that is passed to the device). This is particularly useful in jobs.

- 1) In *bQuery-Tool* click on menu: **Options -> Device**
- 2) You will acquire this window

Device Name:	B2WIN72		_,
Output File:	-type Excel		-
Device Type:	Standard	C Wide	
	Ok	Cancel	

When printing, the query will automatically be sent to the device (B2Win in Excel format in this case) and the user won't be prompted to enter the device name. If the Print form is also hidden (Hide Print Form), pressing on the query will result in producing an Excel Sheet with no questions being asked on ranges and print devices.

7.1 Wide Reports

Standard Baan devices have a limitation of 300 characters in width. To bypass this limitation, and in order to make queries with unlimited number of characters in the width, "Wide" queries can be defined.

Wide reports need to go to a Baan device that supports more than 300 characters. Printing Wide reports to standard devices (Like "D" or Printers) will not produce the desired results.

The following are a sample of two Print devices that support wide reports:

ASCIF – Writing to an ASCII file on the Baan server (Standard device)

B2Win – With **B2Win** (Add-on from NAZDAQ), you can print your wide query output into Excel – Use **B2Win 6.6** or higher

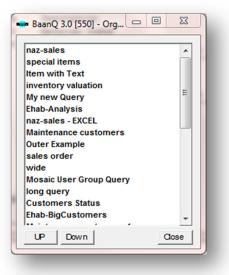
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8 Organizing Queries

Queries are organized in the order they have been created. In order to change the order of your queries, you may wish to use the Query Organizer. This is useful in Run-Only Query Mode (covered in the next chapter)

To organize your queries, on menu click: Query -> Organizer



From this window you can change the order of your queries by selecting a query and clicking on *Up* or *Down*.

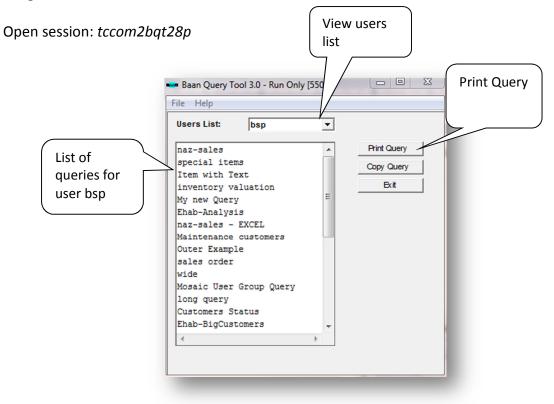
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9 Run-only Query

Administrators and Key Users can create queries. Regular users should not be able to change queries, but only run them and use the results. For regular users, a run-only query session is available - *tccom2bqt28p*

Usage:



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10 Automating Queries

10.1 Run Query inside Baan Run Program

After you have created a query you can run it automatically without opening the *bQuery-Tool* interface. You can do that by giving the query number as an argument to *bQuery-Tool* – Run only session as in the following:

BQ0000000037	ОК
	Cancel
Г	Help
	με <u>0</u> 000000000037

You can acquire the Query number from *bQuery-Tool* session:

ueries	for user bsp:		Table tds1s041 > Sales Order Lines
az-sale	S	•	Search
tem	Item		orno Sales Order
dat	Order Date		pono Position Number
uno	Customer		cuno Customer =
ama	Customer Name		drct Direct Delivery
rno	Sales Order	•	item Item
sca	Country	_	
mta	Amount		opol Item Category
cur	Currency		cpva Product Variant
ats	Rate	>	
amt	Amount in USD		pric Price
c11	big or small		stpr Structure Price
c12	Conditional Field - 12		plev Price Level
			cups Sales Price Unit
			cvps Conversion Factor Price to Inve
			citg Item Group 👻
			۰ III ۲
uery co	de: BQ00000000037		Print Result

If you wish to automate a query that is written by a different user, the query owner user name should be passed in parameter as in the following example:

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Program/Session	tccom2bqt28p	
Program Argument	BQ0000000037,bsp	ОК
		Cancel
Run External Program	Г	Help

Queries can be added to the Baan menu as in the following (Need Baan Tools knowledge)

ttadv3161s000 : Main	tain Menu Fields [000]			- O X
ile Edit Group Wo	orkflow Options Ord	der Tools Special Help		
E 🖶 🍯 🗠 👫	B 🔒 州 🕅		T N ?	
Menu Field Type	Session	•		
Ses/Men/Pr/Quer	tccom2bqt3	,		
Link Descr.				
Label	Baan Query To	ol v3.0		
Process Info	BQ00000000003	7,bsp		
Selection Code	1	Bold		
Form Position	0	Reverse		
Color	White	Blinking		
Active	$\overline{\mathbf{v}}$	Underlined		
				alphanum
				arphanum

10.2 Run Query From Command-Line

Queries can be run from a command line. Here is an example:

call "C:\Program Files\Infor\BW\Baan IV\bin\bw.exe" "Samra.bwc" tccom2bqt3p BQ0000000037,bsp

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10.3 Run Query From BECS

You can create shortcut to your query inside BECS To do this:

- 1) Open **BECS**
- 2) Click on Menu: *File -> New* to create a new configuration
- 3) Insert Hostname, user, ... (According to your system)
- In command field insert: tccom2bqt3p <Query code>,<user> (Where Querycode is the query you want to run from this shortcut, and user is the user id that created the query)

Remote Login		New
Hostname:	10.4.0.10	Qpen
Connect As:	Current User	Save
	aziz	Sa <u>v</u> e as
Password:		About
	Save Pass <u>w</u> ord	About
Method:	Rexec	
Portnumber:	512	RUNI
Bshell environment		Qose
BSE:	/baan4c/bse	
Bshell name:	bshell	
Command:	com2bqt27p BQ00000000037,bsp	

5) Click on save as and you will have a new shortcut inside *BECS*, named *queryTest* as we specified for example

yueryTest.bwc Baan IV CAProgram Files/Info/BW/Baan IV B40c.94 10.4.0.10 /baan4c/bse amra.bwc Baan IV CAProgram Files/Info/BW/Baan IV B40c.94 10.4.0.10 /baan4c/bse	n Username baan aziz aziz
query Text.bwc Baan IV C/\Program Files\Infor\BW/Baan IV B40c.94 10.4.0.10 /baan4c/bse samra.bwc Baan IV C\Program Files\Infor\BW/Baan IV B40c.94 10.4.0.10 /baan4c/bse	aziz
samra.bwc Baan IV C:\Program Files\Infor\BW\Baan IV B40c.94 10.4.0.10 /baan4c/bse	
Rain.bwc ERPLN C:\Program Files\Infor\BW\ERPLN 8.4a.02.9 10.4.0.23 f:\In6.1	aziz
	baan

6) Launch *queryTest* will print the query in the device you chosen

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Warning

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NAZDAQ

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