

# How to Create a Variant in BEx Queries



## Applies to:

SAP BI 2004s or SAP BI 7.x. For more information, visit the [Business Objects homepage](#).

## Summary

This document describes how to create a variant in SAP BEx queries and how the variables values are populated from the variants which have been created. It also talks about if the variants are broken how to fix the values for the variants.

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## Author Bio

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## Introduction

A query variant is a query for which the variable values have already been selected. The variants can also be used for opening the query in the online display and for background processing. The variants are useful when giving selection values for three to four variables instead of giving the values manually every time.

There are two methods by which a BEx query variant can be created

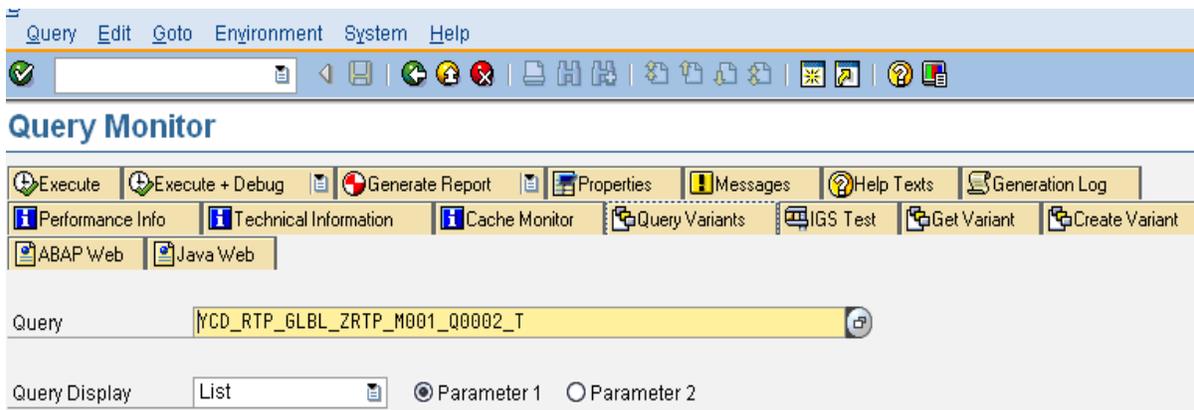
- Transaction code RSRT
- Variable selection screen.

## Create a BEx query using Transaction Code

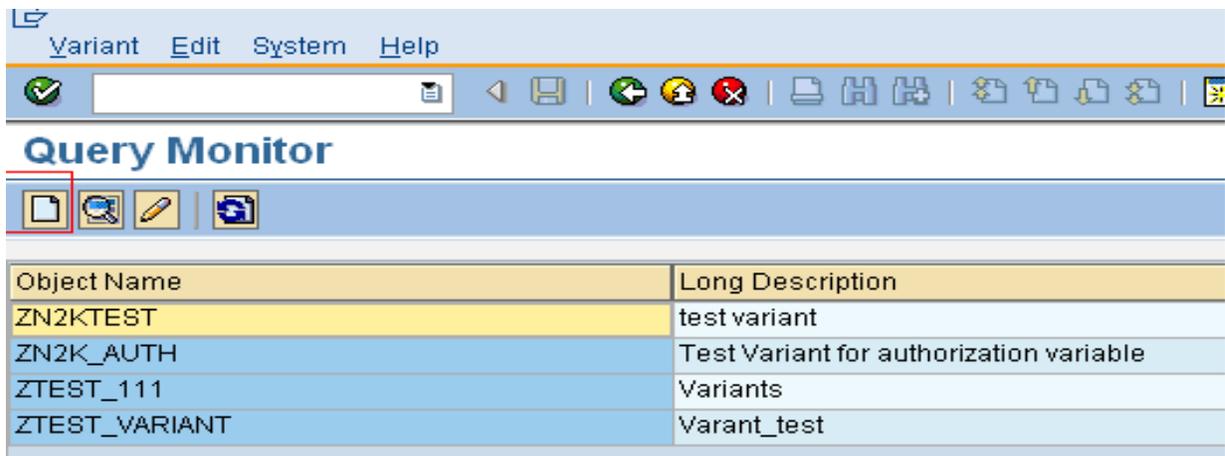
To create the BEx query variant, enter the transaction code **RSRT**.

Here are the steps:

1. Go to transaction **RSRT**. Click **Query Variants**.



2. Click **Create** for creating the query variant.



3. Once the query variant is created, the variable screen popup appears. Enter the variable values.

YCD\_RTP\_GLBL\_ZRTP\_M001\_Q0002\_T Test- Purchase Order Completeness Track

Fiscal Year/Period	=	008.2009	To	
Source System	=		To	
Purchase Order Number (SEL/OPT)	=	13596	To	
Vendor Number	=		To	
Auth variable for N2K testing	=		To	

Save Values Check [Icons] Cancel(F12)

### Creating a BEx Variable using the Variable Selection Screen

To create the BEx query variant, go to the variable screen. Enter the values.

Execute the query. Once the variable screen popup appears, provide the values for the variables to execute every time.

1. Go to the BEx variable selection screen. Give the values need to save the variant.

YCD\_RTP\_GLBL\_ZRTP\_M001\_Q0002\_T Test- Purchase Order Completeness Track

Fiscal Year/Period	=	001.2009	To	
Source System	=		To	
Purchase Order Number (SEL/OPT)	=		To	
Vendor Number	=	100052	To	
Auth variable for N2K testing	=		To	

Execute Check [Icons] Cancel(F12)

Save All Variants

2. Save the variant by providing a name. Execute the query.

YCD\_RTP\_GLBL\_ZRTP\_M001\_Q0002\_T Test- Purchase Order Completeness Track

#### Save All Variants

Variant: ZVARINT\_TEST1  
 Description: Varint Testing

Variable	Save Values
Fiscal Year/Period	Yes
Source System	Yes
Purchase Order Number (SEL/OPT)	Yes
Vendor Number	Yes
Auth variable for N2K testing	Yes

3. Whenever the query needs to be executed, provide the following selections in the BEx queries by load variant and load user variant.

YCD\_RTP\_GLBL\_ZRTP\_M001\_Q0002\_T Test- Purchase Order Completeness Track

Fiscal Year/Period	=	001.2009	To	
Source System	=		To	
Purchase Order Number (SEL/OPT)	=		To	
Vendor Number	=	100052	To	
Auth variable for N2K testing	=		To	

Execute Check Save Copy Paste Delete Cancel(F12)

Load Variant

YCD\_RTP\_GLBL\_ZRTP\_M001\_Q0002\_T Test- Purchase Order Completeness Track

Fiscal Year/Period	=	001.2009	To	
Source System	=		To	
Purchase Order Number (SEL/OPT)	=		To	
Vendor Number	=	100052	To	
Auth variable for N2K testing	=		To	

Execute Check Save Copy Paste Delete Cancel(F12)

Load User Variants

## Fix the Query Variant

If the variants are broken, then the values can be repaired using the table **RSRVARIANT**.

Give the query **COMPUID** and the variable technical name. The total numbers of variants created can be determined in this particular query. To change the variables any time, fix the values of variants by extracting the variants values from the table **RSRVARIANT**.

The BEx Query Variants are stored in the same table as the report variants: **VARID** and **VARIDESC**.

## Deleting Query Variants

In order to delete a variant created for a query, go to the dialog box for the entry of variables. Choose **Delete Variant**.

The symbol Delete Variant is only visible in the dialog box for the entry of variables if at least one variant for the query has been created.

## Related Content

[Saving Query Variants](#)

[Global query variants in BEx 7.x - user authorizations](#) – Forum thread

[SAP Community Network](#)

For more information, visit the [Business Objects homepage](#).

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