

Step by Step Procedure for DSO Creation



Applies to:

SAP BI 7.0. For more information, visit the [EDW homepage](#).

Summary

This article discusses about the step by step procedure for creating a DSO.

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Introduction

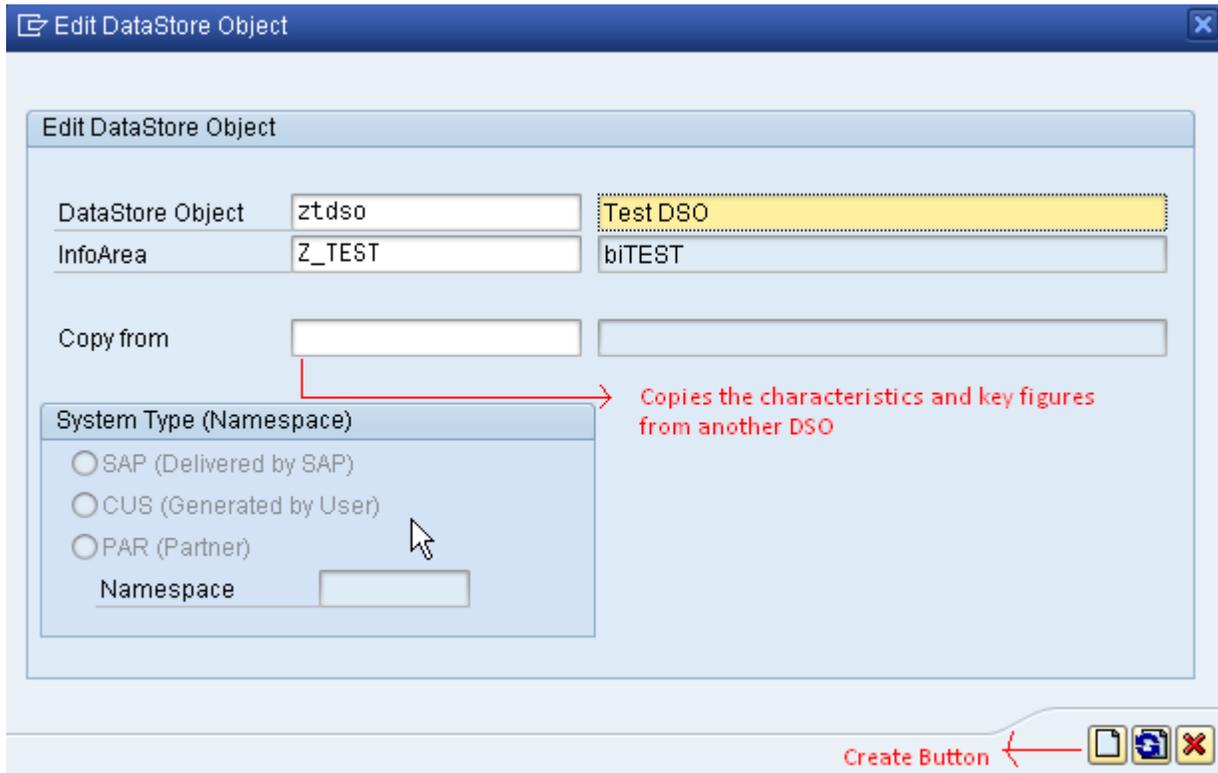
A Data Store object in SAP Net Weaver 2004s BI is the successor of the ODS object from earlier BI releases. This name change was aligned with the prevalent data warehousing terminology. A Data Store object stores consolidated and cleansed transaction data or master data at document level and item level (basic level) from one or several data sources. This data can be evaluated using a Bex query (primarily for supporting the operational reporting).

A DataStore object contains key fields (for example document number, document item) and data fields that can also contain characteristics (for example, order status, customer) in addition to key figures. The data for a Data Store object can be updated by delta update into Info Cubes and/or further Data Store objects or master data tables (attributes or texts) in the same system or across systems. Unlike multi-dimensional data storage using Info Cubes, the data in Data Store objects is stored in transparent, flat database tables. Fact and dimension tables are not created.

Create DSO

To create a DSO go to RSA1 t-code and right click on an info area on which the DSO is to be created. Prior to creating a DSO, the Info area, the characteristics and the key figures are to be created.

InfoProvider	Tech. Name	M...	Execute Funct...
Infoarea For Customer and Material	ZTR02_CM		Change
Customer and Material Details - Assignment 1-	TECSHOP		Change
Info area for Customer and Material	ZTR02_IA		Change
testing0 - by Kiran	TEST0		Change
Customer - Test done by Vishall	IA_DSOTEST		Change
Info Area For Data Store Object	Z02DSO		Change
Student Details - Vishall	STUDENT		Change
Info Area For Student Details	Z02_STUDENT		Change
Sales	WP_IA1		Change
Infoarea For Ekpo Extraction	ZTR02_EKPO		Change
Business Information Warehouse	0BW		Change
Sales and Distribution - Vishall	VIS_SD		Change
Sales Document	SALES_TEST		Change
Info area for Z	Z_INFO		Change
INFO AREA FOR Z_INFO1	Z_INFO1		Change
aaa	Z_PRDT		Change
Product Details - Assignment 2-->Vishall	Z_PRODUCT		Change
Pro	PRODET		Change
Ne	DI		Change
Inc	INDUSTRIES		Change
Cr	A		Change
CU	RM		Change
Fir	ICO		Change
Ma	A		Change
Pro	LM		Change
SA	SO		Change
SU	CM		Change
SU	RM		Change
ZTEST	Z_TEST	Info Area	Change
TEST CUBE	Z_TCUBE		Manage
CUSTOMER	Z_TCUST		Change
PRODUCT	Z_TPROD		Change

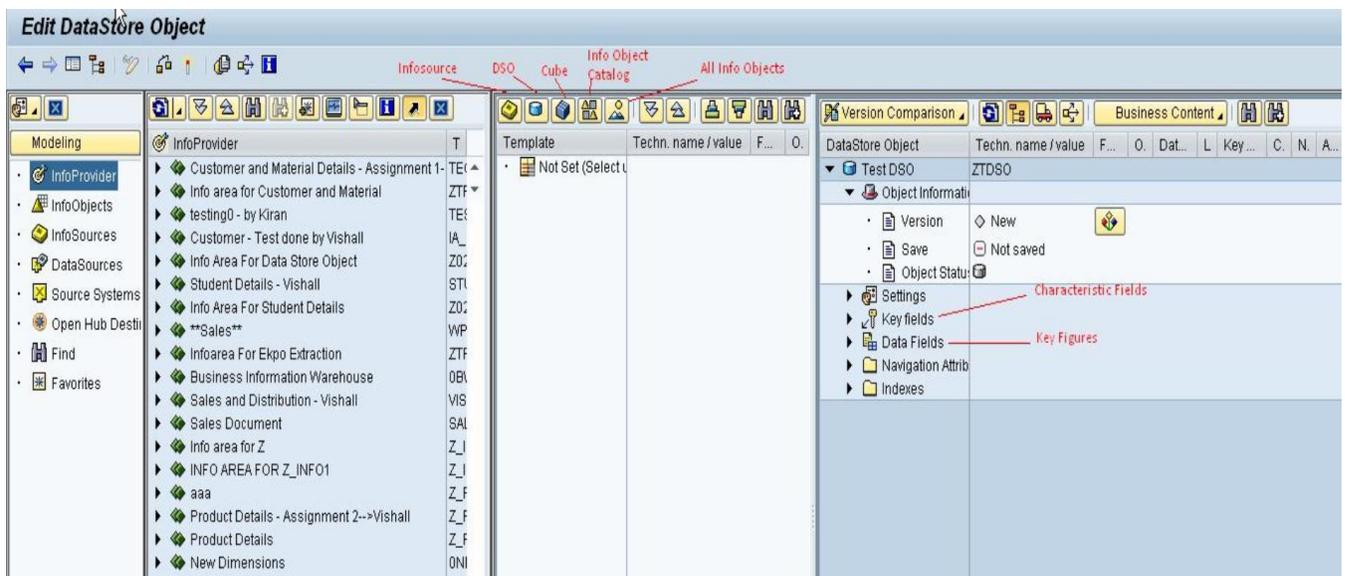


Give the name and description for the DSO.

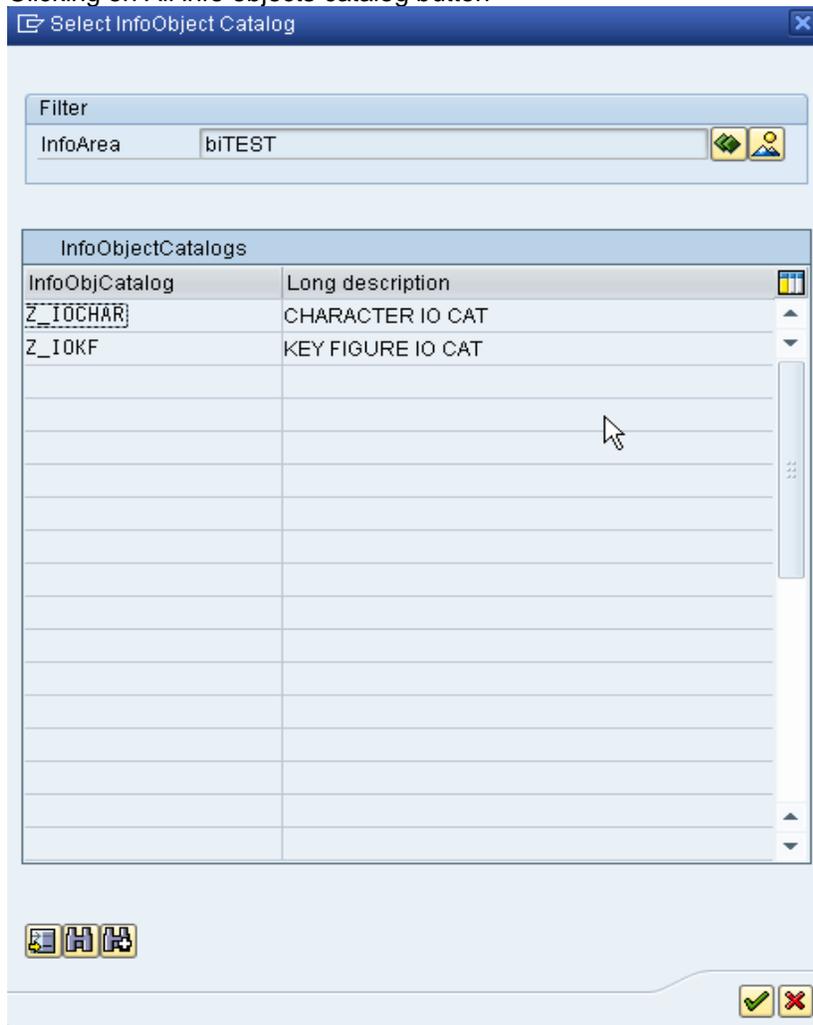
Assigning Characteristic values

Characteristic values can be selected through the following sources:

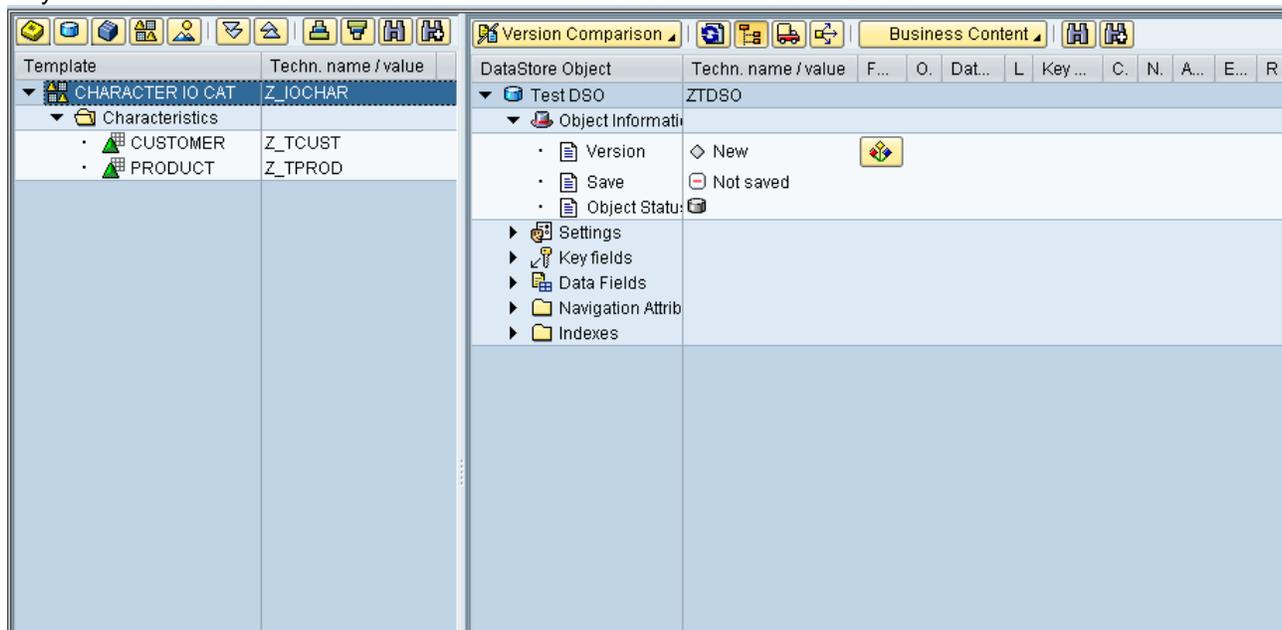
- Info source : to get all the characteristic values from an infosource.
- DSO : to get all the characteristic values and key figures from a DSO.
- Cube : to get all the characteristic values and key figures from a Cube.
- Info Object Catalog: to get all the characteristic values and key figures from the current info area.
- All Info objects : to get all the characteristic values and key figures from all info areas.



Clicking on All info objects catalog button



The characteristic fields of the current info area is shown. Select the relevant characteristics and drag to the Key fields of the DSO. Here both the characteristics are selected to the DSO.



Assigning Key Figures

The key figures are selected. The currency and the quantity unit fields are once the fields are selected the DSO will look like below:

Template	Techn. name / value	DataStore Object	Techn. name / value	F...	O.	Dat...	L	Key ...	C.	N.	A...	E...	R
KEY FIGURE IO CAT	Z_IOKF	Test DSO	ZTDSO										
Key Figures		Object Information											
PRICE	Z_TPRICE	Version	◇ New										
QUANTITY	Z_TQTY	Save	⊞ Not saved										
		Object Status											
		Settings											
		Key fields											
		CUSTOMER	Z_TCUST			CHAR	10						Z_T
		PRODUCT	Z_TPROD			CHAR	10						Z_T
		Data Fields											
		PRICE	Z_TPRICE			CURR	09	Amount	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUM	SUM	
		QUANTITY	Z_TQTY			QUAN	09	Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUM	SUM	
		Currency key	0CURRENCY			CUKY	05						0CU
		Unit of meas	0UNIT			UNIT	03						0UN
		Navigation Attrib											
		Indexes											

Check and Activate the DSO.

Related Content

[steps for creation of DSO in BI7.....](#)

[creation of DSO](#)

[Creating ODS Objects](#)

For more information, visit the [EDW homepage](#)

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