



**Gold Client[®]
Solutions**

**Gold Client BW
User Guide**

powered by



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Introduction

Gold Client BW enables users to replicate selective Master and/or Transactional Data utilizing an export then import process. This document covers the functions for exporting and importing data, and provides step-by-step instructions building and working with data selection scenarios.

Figure 1.0



Requirements

Hardware and Software Requirements

Gold Client BW supports and run within the relevant SAP application and systems which meet current SAP guidelines of minimal hardware requirements for said relevant SAP application.

The recommended minimum Support Pack information is as below.

	BW 70 System	BW 73 System
SAP_ABA	701 SP 06	SAPKA73007
SAP_BASIS	701 SP 06	SAPKB73007
SAP_BW	701 SP 06	SAPKW73007
PI_BASIS	2005_1_701 SP 06	SAPK-73007INPIBASIS
BI_CONT	703 SP 15	SAPK-73602INBICONT

Software Installation Location

Gold Client Solution software resides inside the SAP systems, source systems and the target systems, and the code is stored in the registered namespace /HTG/.

Shared File System Requirements

Gold Client Solution software uses an Export/Import process to replicate specified SAP data from a source system to a target system. Data exports are temporarily written/created in file systems shared by the source and target.

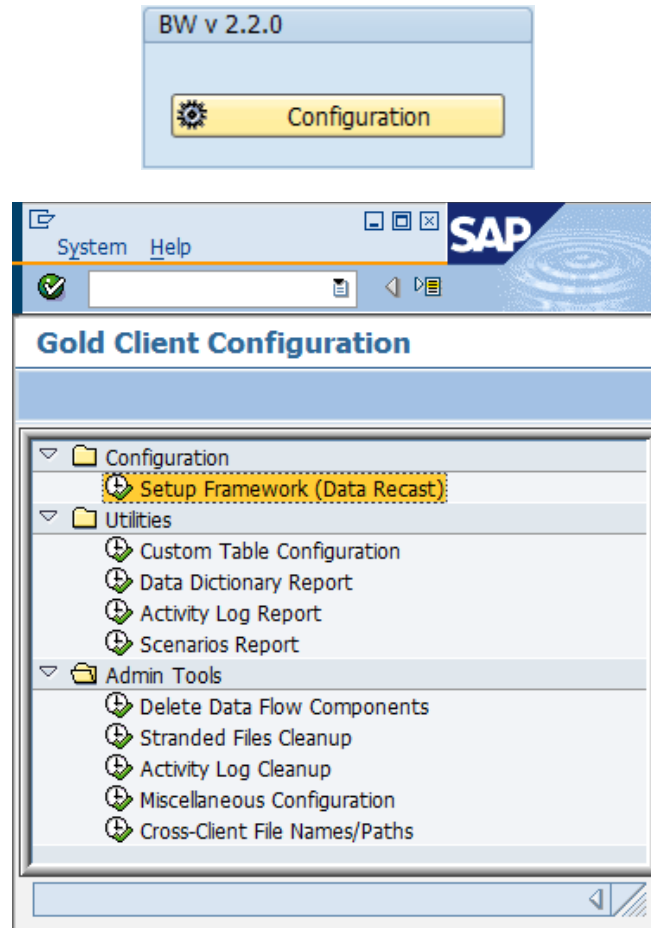
Gold Client BW writes exports out of the SAP system to a customer identified file system with a compression ratio of 24 to 1. A file system with 10 GB of free space will support approximately 240 GB of targeted data. A minimum 5GB of free space is recommended in the shared file system. The name of the file source system and logical name should be ZGOLD. Assign the ZGOLD source system to a source system ID via tcode RSA1-Tools-Assignment of Source System to Source System ID. The source system ID should be ZG and the text should be ZGOLD.

System Settings

Gold Client BW requires the target system must be open for changes (via SCC4).

Setup Framework

After installing the Gold Client BW and registering it, the administrator or user needs to run the Setup Framework job in the source system. This is part of the "Configuration" settings.



The Setup Framework job needs to be run in each system from where data is going to be exported. It is not necessary to run this job in systems (e.g. Sandbox) from which data is never going to be exported.

The Setup Framework job entails identifying all active InfoObjects, DSO and InfoCubes which exist in the system.

Figure 2.0

Setup Framework

Execute ?

Load Tables

- Load Gold Client InfoObject Tables
- Load Gold Client InfoCube Tables
- Load Gold Client DataStore Tables

Job Details

Job Name

It is recommended that this job be scheduled once the Gold Client BW installation is complete and then scheduled as a daily/weekly job as per the transport schedule for the system. E.g. If this is the Production system and transports are moved every week on Friday, then it is recommended to run this job every Friday night or Saturday, so as to enable the Gold Client BW to identify new objects like a Cube or DSO which are moved into the system.

In the Admin Tools, there is an option for "Miscellaneous Configuration". Clicking on it leads to table entries which can be populated by Admin users. Select New Entries and enter `PERFORM_RECORD_COUNT`. Administrators have the option of doing record counts of each individual object when running Setup Framework job. If the checkbox is unchecked, no record count of any object is maintained. This may significantly improve the runtime of the Setup Framework job in the BW environment.

Master Data (Data Recast)

Exporting Master Data

To display the Master Data Export selection screen for exporting Attributes and/or Texts, click the Export Data button in the Master Data section.



The Master Data Export selection screen provides the options and selections for exporting Master Data.

Figure 3.0

Master Data Export

Execute

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Master Data Components

Master Data Attributes

Master Data Texts All Languages

Master Data Hierarchies

Data Selection Mode

All Master Data

Subset Master Data

Master Data Selection

All InfoObjects

InfoObject to

InfoArea

InfoObject Catalog

InfoCube

DataStore Object

InfoSet

MultiProvider

Selecting Master Data

Users can choose the master data they wish to export by selecting options on the Master Data Export screen.

The user has the option to select Master Data Attributes, and/or Texts and/or Hierarchies.

Master Data Components		
Master Data Attributes	<input checked="" type="checkbox"/>	
Master Data Texts	<input checked="" type="checkbox"/>	All Languages <input checked="" type="checkbox"/>
Master Data Hierarchies	<input type="checkbox"/>	

Next, the user has the option to select master data belonging to

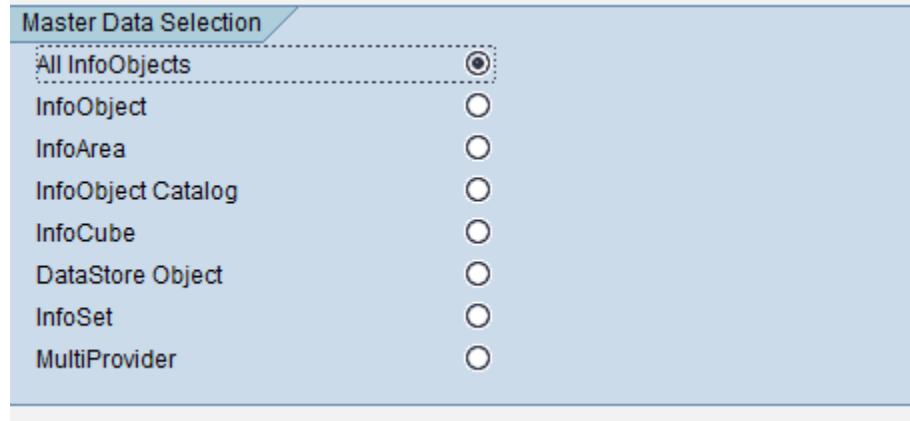
- All InfoObjects
- InfoObject
- InfoArea
- InfoObject Catalog
- InfoCube
- DSO
- InfoSet
- MultiProvider

Figure 4.0

Master Data Selection	
All InfoObjects	<input type="radio"/>
InfoObject	<input checked="" type="radio"/> <input type="text" value=""/> to <input type="text" value=""/>
InfoArea	<input type="radio"/>
InfoObject Catalog	<input type="radio"/>
InfoCube	<input type="radio"/>
DataStore Object	<input type="radio"/>
InfoSet	<input type="radio"/>
MultiProvider	<input type="radio"/>

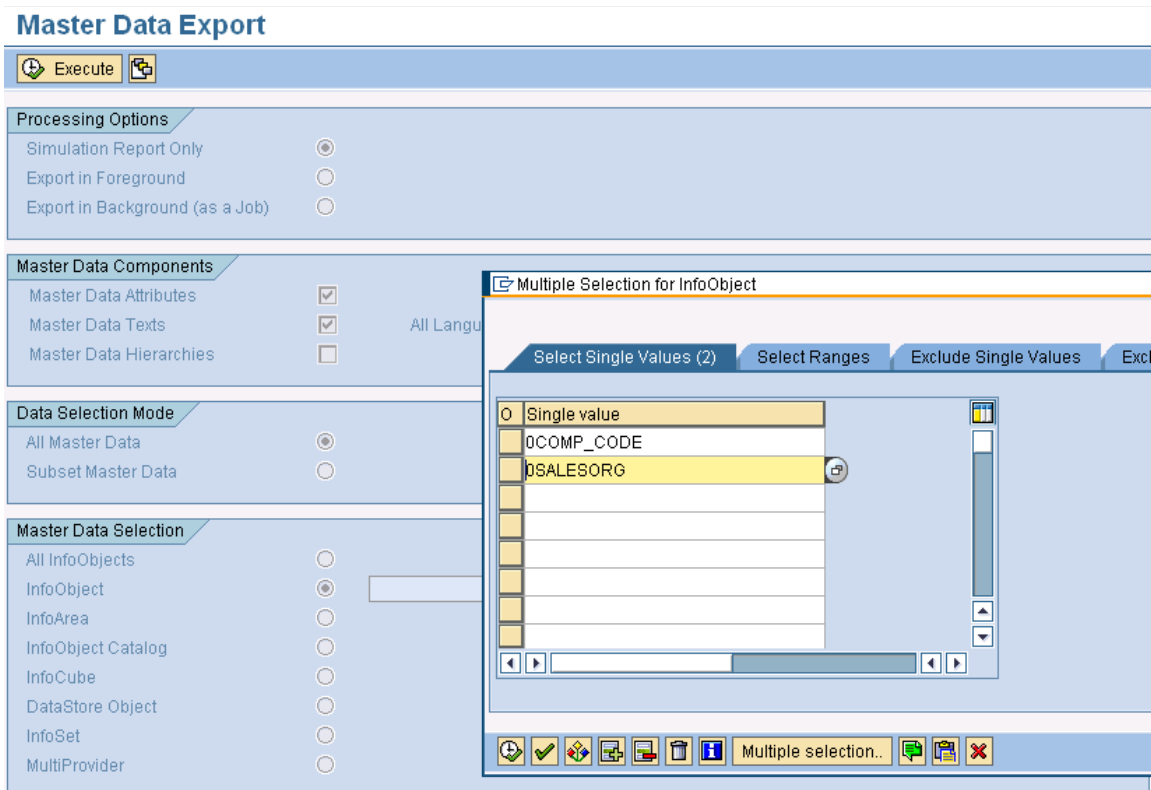
All InfoObjects selection will enable the user to simulate and/or export all the master data existing in the source system. It is highly recommended that the export job be submitted in the background.

Figure 4.1



InfoObject selection will enable the user to select one particular InfoObject, a range of InfoObjects, multiple InfoObjects as well as exclude certain InfoObjects

Figure 4.2



InfoArea selection will enable the user to select the master data for InfoObjects belonging to an InfoArea. The user can either manually type in the InfoArea or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

Figure 4.3

The screenshot displays the 'Master Data Export' application window. On the left, there are several configuration panels:

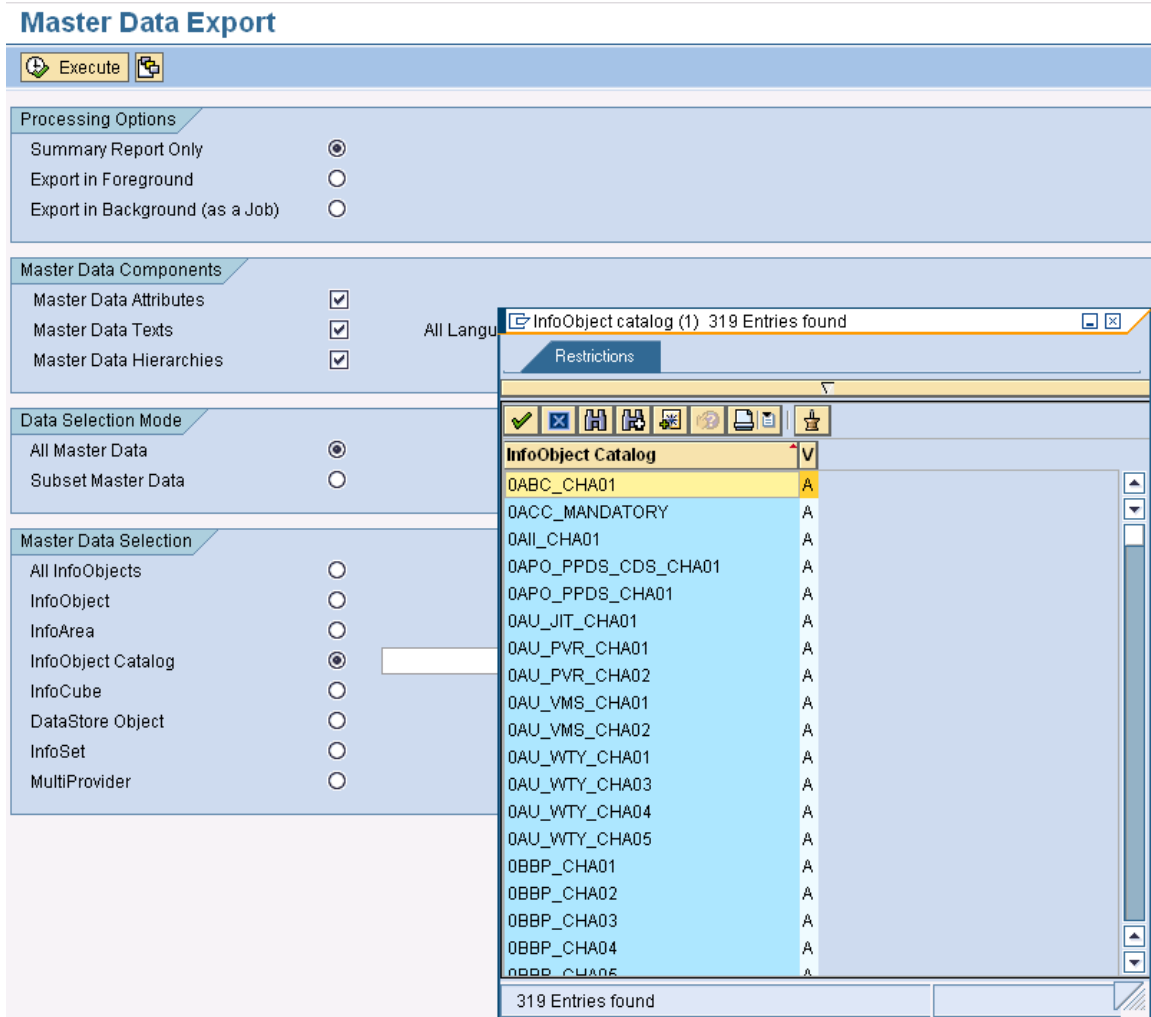
- Processing Options:** Includes radio buttons for 'Summary Report Only' (selected), 'Export in Foreground', and 'Export in Background (as a Job)'.
- Master Data Components:** Includes checkboxes for 'Master Data Attributes', 'Master Data Texts', and 'Master Data Hierarchies', all of which are checked.
- Data Selection Mode:** Includes radio buttons for 'All Master Data' (selected) and 'Subset Master Data'.
- Master Data Selection:** Includes radio buttons for 'All InfoObjects', 'InfoObject', 'InfoArea' (selected), 'InfoObject Catalog', 'InfoCube', 'DataStore Object', 'InfoSet', and 'MultiProvider'.

The main area on the right shows a table titled 'InfoArea (1) 500 Entries found'. The table has two columns: 'InfoArea' and 'Long Description'. The first row is highlighted in yellow and shows 'QACC' for 'Business Accounting'. Other rows include 'QAF' (Apparel and Footwear), 'QAF_ALL' (AFS General), 'QAF_IO' (Master Data Apparel & Footwear), 'QAF_MM_INV' (Inventory Management), 'QAF_MM_PUR' (Purchasing), 'QAF_SD_SLS' (Sales), 'QAI' (Autold Infrastructure), 'QAI_IO' (Autold Infrastructure: master data), 'QAPO' (Advanced Planner and Optimizer), 'QAPO_DP' (Demand Planning), 'QAPO_MSP' (Maintenance and Service Planning), 'QAPO_PPDS' (Production Planning/Detailed Planning), 'QAPO_PPDS_CDS' (Sales Scheduling Agreement Processing), 'QAPO_SNP' (Supply Network Planning), 'QAU' (Automotive), 'QAU_PVR' (Partner & Vehicle Relationships Analysis), 'QAU_RVD' (Transaction Data Reporting on Vehicle Data), 'QBA' (Banking), 'QBA_BA' (Bank Analyzer), 'QBA_BA_FDM' (BA Financial Data Mart), and 'QRRP' (e-Procurement (<= SRM 4.0)).

At the bottom of the table, it states 'More than 500 input options'.

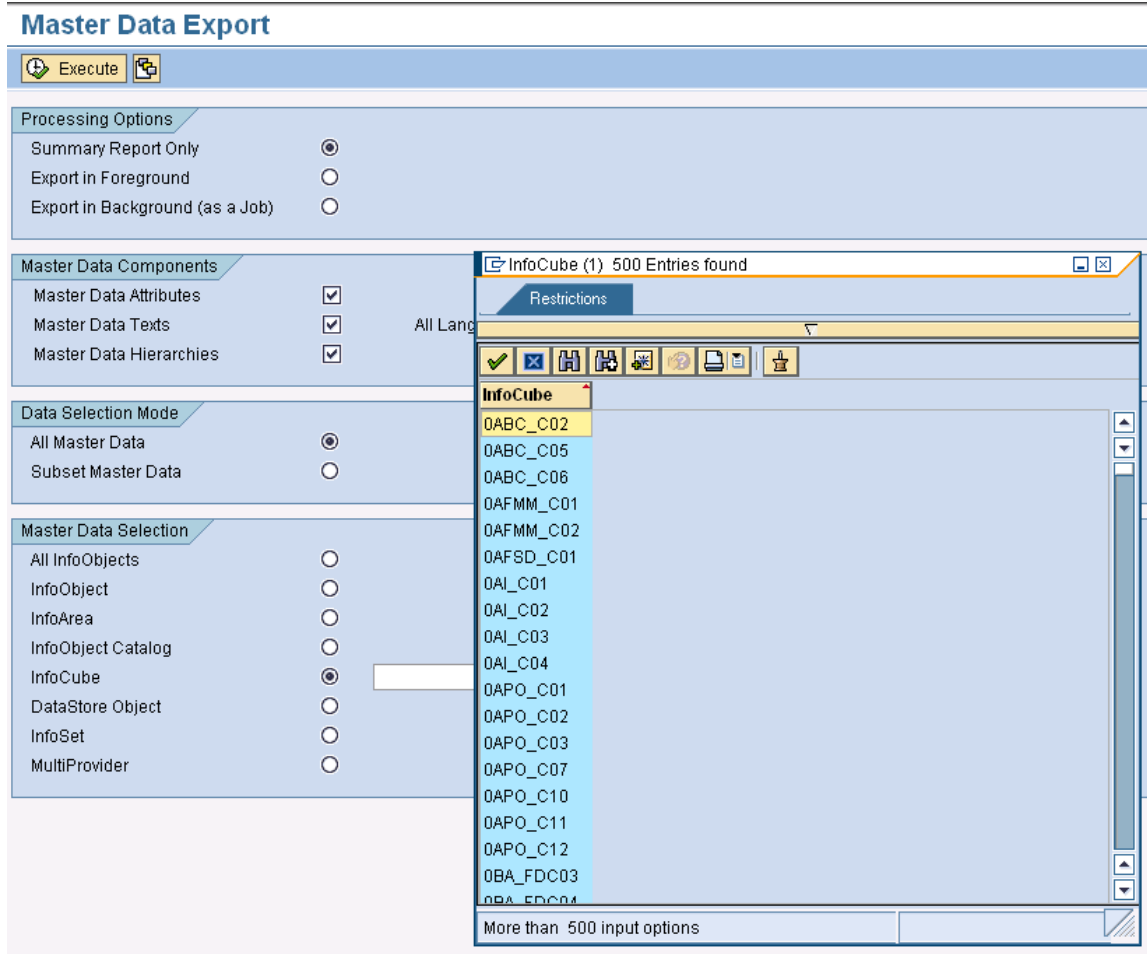
InfoObject Catalog selection will enable the user to select the master data for InfoObjects belonging to an InfoObject Catalog. The user can either manually type in the InfoObject Catalog or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

Figure 4.4



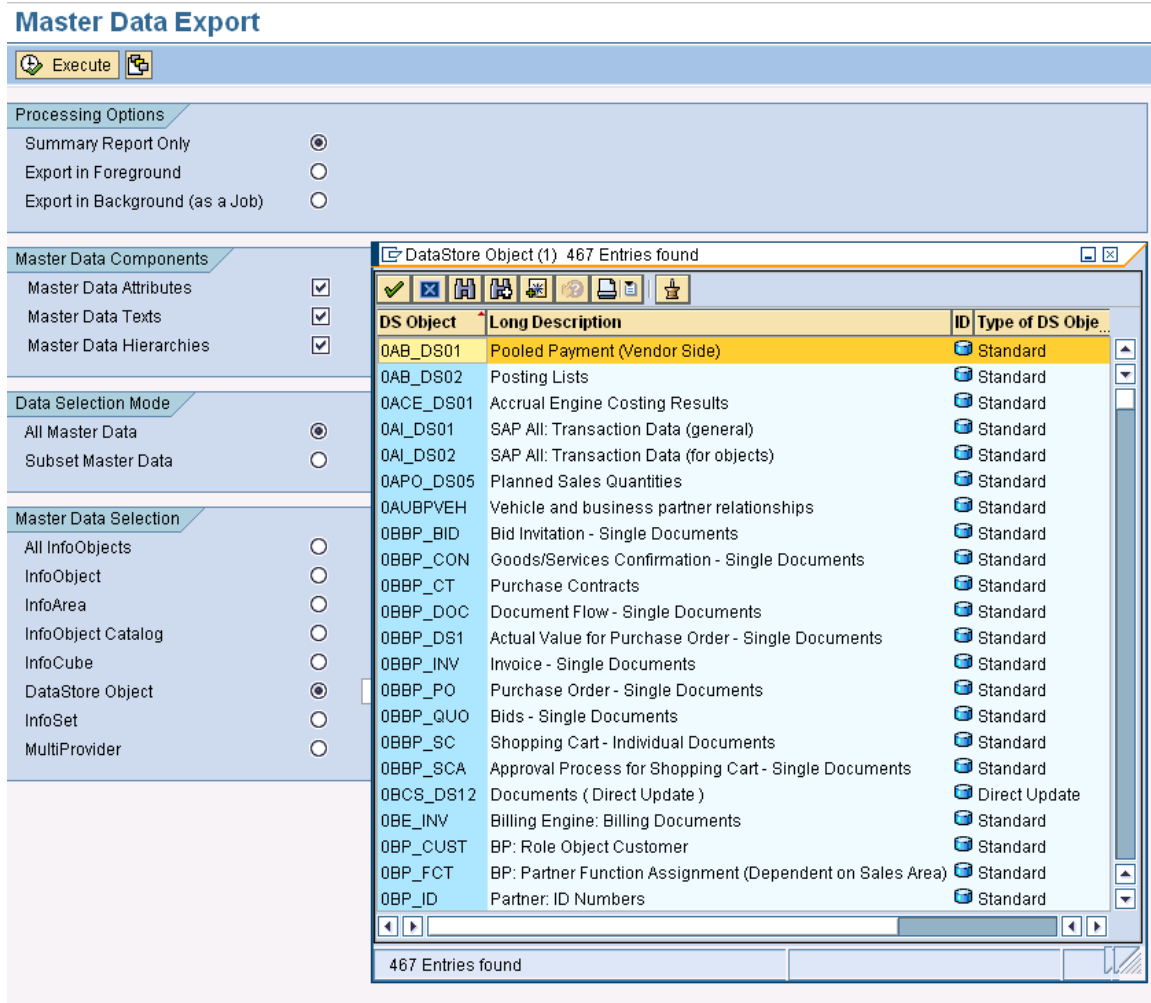
InfoCube selection will enable the user to select the master data for InfoObjects belonging to an InfoObject Catalog. The user can either manually type in the InfoCube or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

Figure 4.5



DSO selection will enable the user to select the master data for InfoObjects belonging to a DSO. The user can either manually type in the DSO name or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

Figure 4.6



InfoSet selection will enable the user to select the master data for InfoObjects belonging to an InfoSet. The user can either manually type in the InfoSet name or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

Figure 4.7

Master Data Export

Execute

Processing Options

- Summary Report Only
- Export in Foreground
- Export in Background (as a Job)

Master Data Components

- Master Data Attributes
- Master Data Texts
- Master Data Hierarchies

Data Selection Mode

- All Master Data
- Subset Master Data

Master Data Selection

- All InfoObjects
- InfoObject
- InfoArea
- InfoObject Catalog
- InfoCube
- DataStore Object
- InfoSet
- MultiProvider

InfoSet (1) 48 Entries found

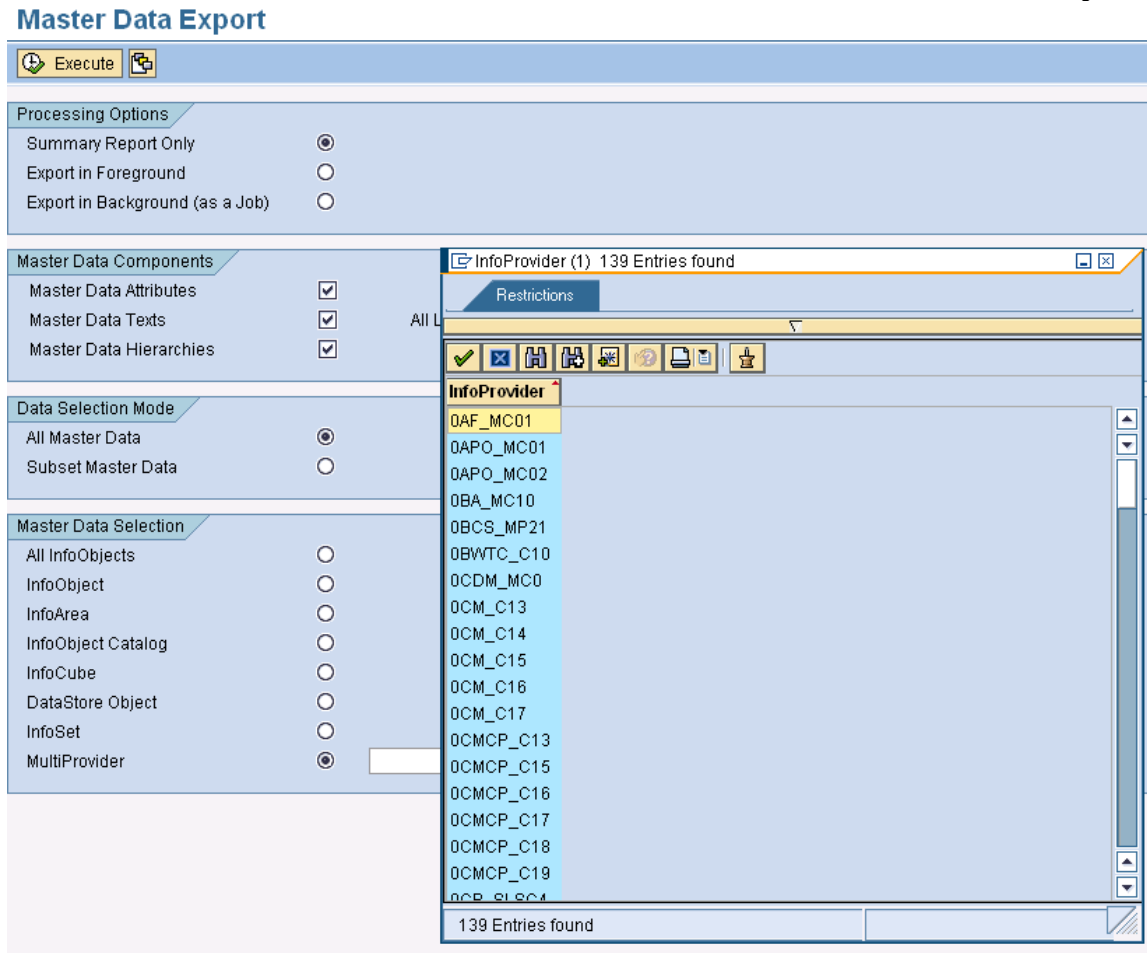
Restrictions

InfoSet	Stat	Long Description
0AUV_IS01	A ACT	Complaints per vehicle
0AUV_IS02	A ACT	Activities per vehicle
0AUV_IS03	A ACT	Revenues per vehicle
0AUV_IS04	A ACT	Quotation per vehicle
0AUVEHI01	A ACT	Vehicle information including components and bus. partners
0BP_FUNC	A ACT	BP: Partner Function Assignment (Dependent on Sales Area)
0CCP_IS01	A ACT	InfoSet for Competitor Products for Customers
0CPR_IS01	A ACT	Infoset: Documents
0CRACIS01	A ACT	Comparison of CRM ABC analysis and CRM Clustering
0CRATIS01	A ACT	Comparison of CRM ABC analysis and CRM Decision tree
0CRM_BP	A ACT	BP: CRM Sales View
0CRM_ICWY	A ACT	Warranties for Installed Base Components
0CRM_SCOL	A ACT	Object Lists from Service Contracts
0CRMAIS01	A ACT	CRM ABC migration analysis
0DPM_I0	A ACT	Accounts Receivable Process Integration
0ECM_IS01	A ACT	Comparison of Composite Market Data with Employee Payment
0ECM_IS02	A ACT	Compensation Process
0ECM_IS03	A ACT	Compensation Processes and Budgets
0ECM_IS04	A ACT	Compa-Ratio
0ECM_IS07	A ACT	Compare Salary Structure against Market
0ELM_IS01	A ACT	External List Management
0ERC_IS01	A ACT	Requisition with Support Team
0ERC_IS02	A ACT	Candidacy with Requisition and Candidate
0ERC_IS03	A ACT	Candidacy Activity with Requisition and Candidate
0ERC_IS04	A ACT	Application with Candidacy Activity, Requisition, Candidate
0ISSET_PP...	A ACT	Infoset: Project Definition

48 Entries found

MultiProvider selection will enable the user to select the master data for all InfoObjects belonging to a MultiProvider (essentially, the InfoCubes/DSO/InfoObjects that form the MultiProvider). The user can either manually type in the MultiProvider name or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

Figure 4.8



Export Texts by Language

Export texts by language functionality allows the user to choose a specified Language and export only those values

Figure 4.9

The screenshot shows the 'Master Data Export' interface. At the top, there is a blue header with the title 'Master Data Export'. Below the header, there is a toolbar with an 'Execute' button and a refresh icon. The interface is divided into two main sections: 'Processing Options' and 'Master Data Components'.

Processing Options:

- Summary Report Only:
- Export in Foreground:
- Export in Background (as a Job):

Master Data Components:

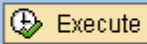

- Master Data Attributes:
- Master Data Texts:
- Master Data Hierarchies:
- All Languages:

By default, the ALL LANGUAGES Checkbox is turned on. In this case, texts in all languages will be exported depending on the selection and the data present in the system.

If a user would want to export texts for a particular language only, then user needs to deselect the ALL LANGUAGES CHECKBOX and specify the language in the entry box next to it as shown in the figure below.

Figure 4.10

Master Data Export

 Execute 

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Master Data Components

Master Data Attributes

Master Data Texts All Languages Enter Language Key

Master Data Hierarchies

In the above example, only texts in language DE (GERMAN) will be exported for an InfoObject (e.g. OCUSTOMER) even though OCUSTOMER may contain texts in EN, FR and DE (ENGLISH, FRENCH and GERMAN)

Export Hierarchies

Selecting Hierarchies in the master data components would enable user to export hierarchies for the chosen InfoObject(s).

Figure 4.11

In the example above, all master data (Attributes, Texts and Hierarchies) for InfoObject OMATERIAL is being targeted for export.

By running a Summary report, user is made aware of the number of data records for each component of master data.

InfoProvider	Obj. Type	Sc.Num	Rec. Count	No. of bytes
OMATERIAL	ATTR		18,253	29,533,354
OMATERIAL	TEXT		79,690	9,403,420
OMATERIAL	HIER		2,432	734,464

Export Processing Options

The user has three processing options:

- Summary Report Only
- Export in Foreground
- Export in Background (as a Job)

Run Summary Report

When Summary Report Only is selected, a report details of the export (See 'Run Summary report' below). This is selected by default.

Below is an example report for exporting 0customer (Attributes and Texts) in Summary Mode.

Figure 5.0

Master Data Export

Execute

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Master Data Components

Master Data Attributes

Master Data Texts All Languages

Master Data Hierarchies

Data Selection Mode

All Master Data

Subset Master Data

Master Data Selection

All InfoObjects

InfoObject 0CUSTOMER to

InfoArea

InfoObject Catalog

InfoCube

DataStore Object

InfoSet

MultiProvider

Details of Exports

- InfoProvider being exported
- Object Type (Attributes/Texts/Hierarchies)
- Scenario Number (if applicable) when doing Subset of data
- Number of records
- File size in bytes

Figure 5.1



Master Data (All) Summary Report				
InfoProvider	Obj. Type	Sc.Num	Rec. Count	No. of bytes
0CUSTOMER	ATTR		20,572	66,036,120
0CUSTOMER	TEXT		18,083	1,808,300

Export in Foreground

Export in Foreground: Executes the export and creates data files in the foreground. If the user has a small selection of data to export, doing so in the foreground is acceptable. For large exports, it is recommended to run them in the background (see below).

Figure 5.2

Master Data Export

 Execute 

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Master Data Components

Master Data Attributes

Master Data Texts All Languages

Master Data Hierarchies


Data Selection Mode

All Master Data

Subset Master Data

Master Data Selection

All InfoObjects

InfoObject to 

InfoArea

InfoObject Catalog

InfoCube

DataStore Object

InfoSet

MultiProvider

After selecting the Export in Foreground option and pressing execute, the job will be started in the foreground. On completion of the job, the following message will be displayed.

Figure 5.3

Master Data Export Summary					
InfoProvider	Obj. Type	Sc.Num	Rec. Count	No. of bytes	File Name
OCUSTOMER	ATTR		20,572	66,036,120	/sapbackup/BW_GOLD_EXPORT/B-W-ATTR_OCUSTOMER__BIU_800.20101014.104509
OCUSTOMER	TEXT		18,083	1,808,300	/sapbackup/BW_GOLD_EXPORT/B-W-TEXT_OCUSTOMER__BIU_800.20101014.104516

This contains information about the

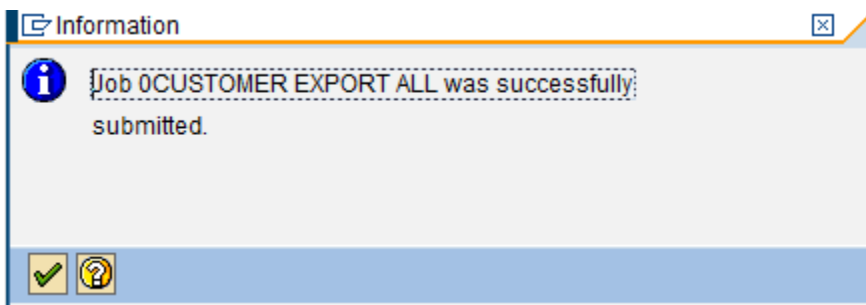
- InfoObject being exported
- Type of data (whether Attributes and/or Texts and/or Hierarchies),
- Scenario number if any (relevant only for subset of data)
- Number of records
- File size in bytes
- File name

Export in Background

Export in Background (as a Job): Executes the export and creates data files in the background under a job name the user defines. It is recommended to execute an export as a background job when there are many records involved.

Figure 5.4

Once the background job name is entered and the user presses the Execute button, a pop-up box will appear on the screen informing the user that the job has been successfully submitted. Pressing ENTER will take the user to the previous screen.



This job can be monitored via SM37 or by going to the Gold Client BW main screen and pressing the Job Monitor icon.

Figure 5.5

Job Log Entries for CUSTOMER EXPORT ALL / 15133100

Long text Previous Page Next page

Job log overview for job: CUSTOMER EXPORT ALL / 15133100

Date	Time	Message text	Message class	Message no.	Message type
09/22/2010	15:13:31	Job started	00	516	S
09/22/2010	15:13:31	Step 001 started (program /HTG/BIW_EXP_P_00, variant &0000000000357, user ID SSHAIKH)	00	550	S
09/22/2010	15:13:31	***** START - Master Data Export *****	/HTG/BIW	005	S
09/22/2010	15:13:31		/HTG/BIW	008	S
09/22/2010	15:13:31	EXPORT Master Data Attributes [X]	/HTG/GC	091	S
09/22/2010	15:13:31	EXPORT Master Data Texts [X]	/HTG/BIW	080	S
09/22/2010	15:13:31	EXPORT Master Data Hierarchies []	/HTG/BIW	080	S
09/22/2010	15:13:31	EXPORT All Master Data [X]	/HTG/BIW	080	S
09/22/2010	15:13:31	EXPORT Subset Master Data []	/HTG/BIW	080	S
09/22/2010	15:13:31	EXPORT Texts in All Languages [X]	/HTG/BIW	080	S
09/22/2010	15:13:31	EXPORT Number of InfoObjects [1]	/HTG/BIW	080	S
09/22/2010	15:13:31	EXPORT Chunk Size [50,000]	/HTG/BIW	080	S
09/22/2010	15:13:31		/HTG/GC	091	S
09/22/2010	15:13:31	***** START ** Export InfoObject [1]: << OCUSTOMER >>	/HTG/BIW	081	S
09/22/2010	15:13:31	====> Exporting { Attributes } Table Name: { /BI0/MCUSTOMER }	/HTG/BIW	082	S
09/22/2010	15:13:36	====> Records compressed and written to file [20572]	/HTG/BIW	083	S
09/22/2010	15:13:36	====> TOTAL NUMBER OF RECORDS PROCESSED ----> [20572]	/HTG/BIW	015	S
09/22/2010	15:13:36	====> Exporting { Texts } Table Name: { /BI0/TCUSTOMER }	/HTG/BIW	082	S
09/22/2010	15:13:37	====> Records compressed and written to file [18083]	/HTG/BIW	083	S
09/22/2010	15:13:37	====> TOTAL NUMBER OF RECORDS PROCESSED ----> [18083]	/HTG/BIW	015	S
09/22/2010	15:13:37	***** END ** Export InfoObject: << OCUSTOMER >>	/HTG/BIW	085	S
09/22/2010	15:13:37	**PASS** File Name: B-W-PASS_SSHAIKH_BIU_000.20100922.151337	/HTG/BIW	005	S
09/22/2010	15:13:37	***** END - Master Data Export *****	/HTG/BIW	009	S
09/22/2010	15:13:37	Spool request (number 0000028492) created without immediate output	SY	355	S
09/22/2010	15:13:37	Job finished	00	517	S

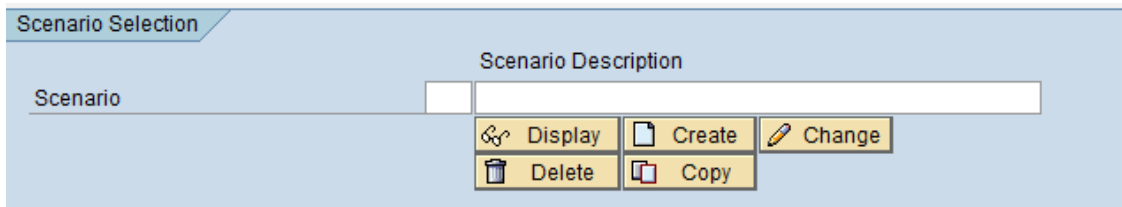
The job log contains information such as the number of InfoObjects being exported, the type of components being exported (Attributes/Texts/Hierarchies), whether export is for a subset of the data and if yes, the scenario number, the date and time of the job submission, user who submitted the job, the number of records being exported and the file name.

Selection Scenarios for Master Data

Scenarios are a core component for exporting subsets of data as they control which data is targeted for export.

Scenarios can be built for master data as well as for transactional data. The next topic details how a scenario can be built, copied, changed or deleted for master data.

The steps are the same for building scenarios for transactional data.



Creating a Scenario

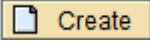
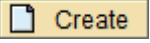
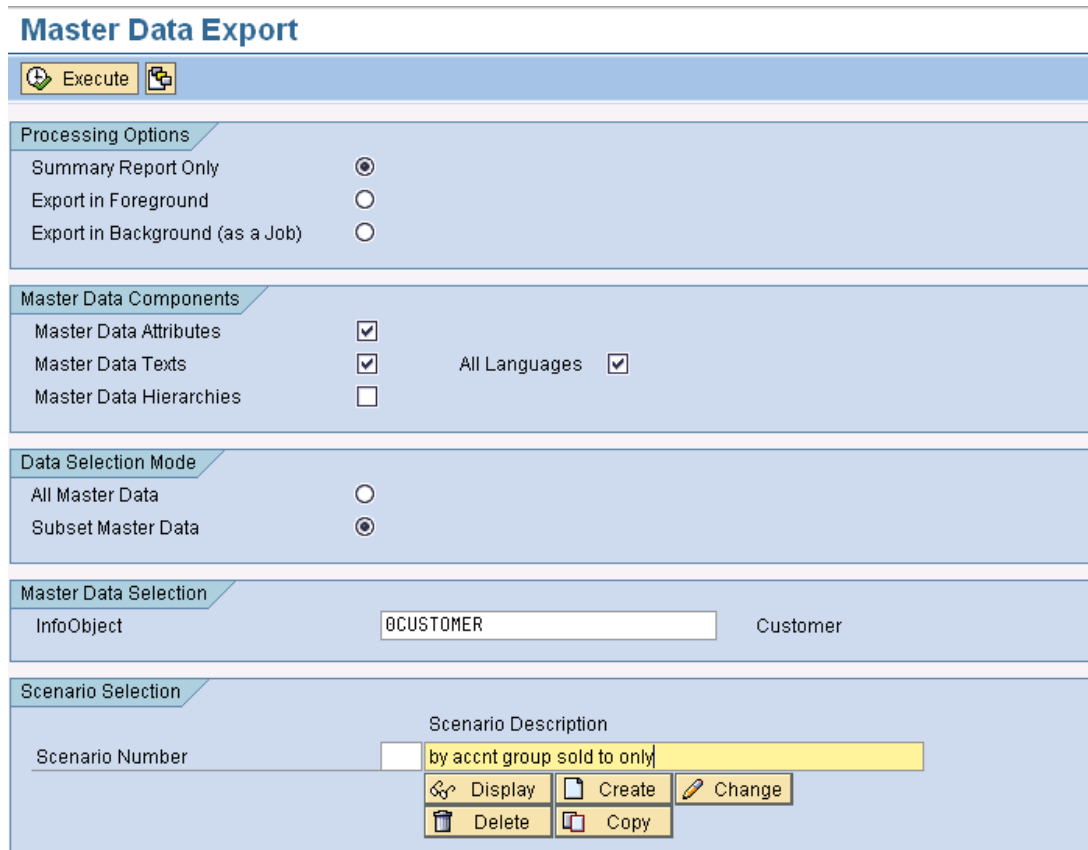

- Select the `Master Data Export` button.
- Choose `Subset Master Data`
- Choose an `InfoObject` and Enter (NOTE: Scenarios can only be created for one object at a time)
- If a particular hierarchy is to be selected for export, it can be specified now (as shown in fig 6.0.A)
- Enter a description in the `Scenario Description` box and Select  and a new Scenario will be created.
- A pop-up box will be displayed which contains the Scenario Description entered. The user can also enter in a description here if one was not provided before pressing the  button.
- The next screen will present a list of all Attributes belonging to the `InfoObject` (here, `OCustomer`).

Figure 6.0



Master Data Export

Execute 

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Master Data Components

Master Data Attributes

Master Data Texts All Languages

Master Data Hierarchies

Data Selection Mode

All Master Data

Subset Master Data

Master Data Selection

InfoObject Customer

Scenario Selection

Scenario Number

Scenario Description

Display Create Change

Delete Copy

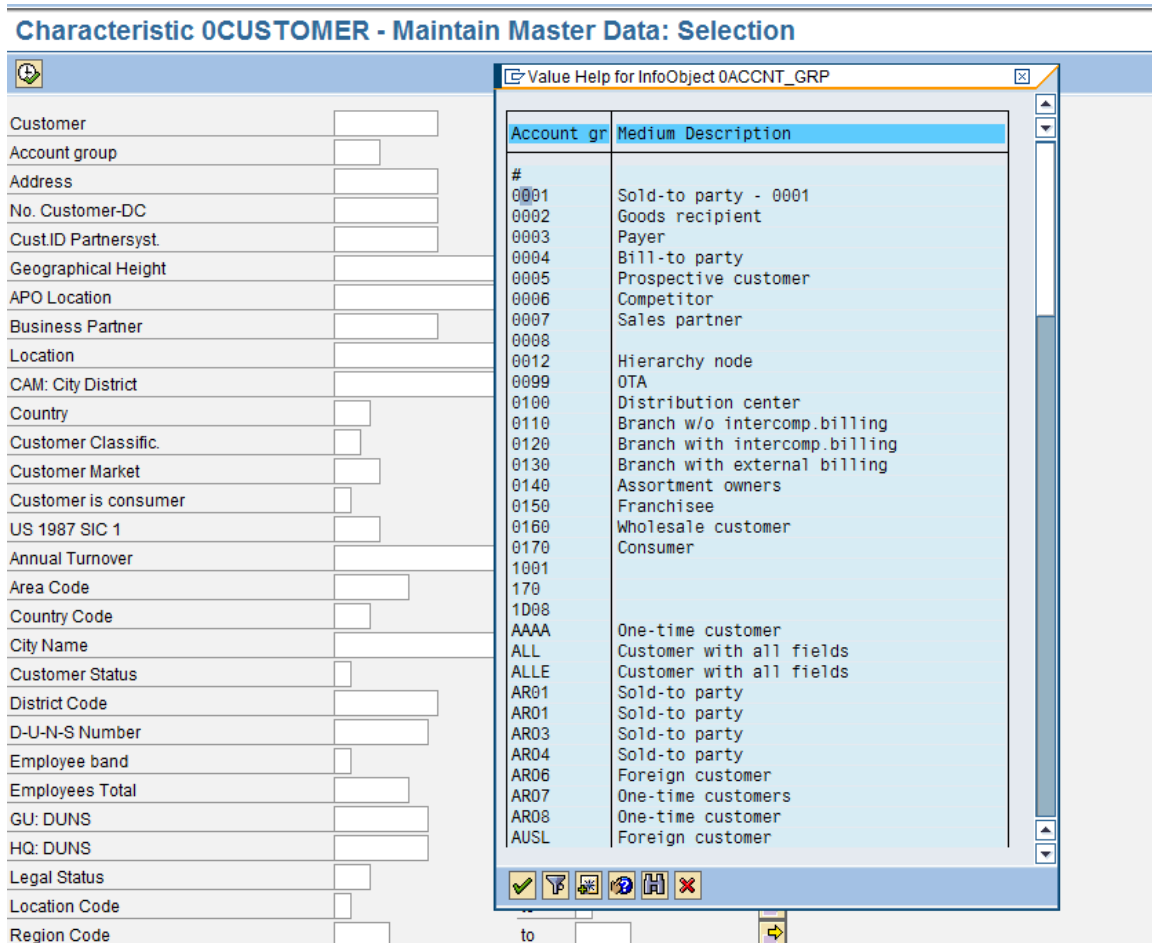
Next, construct the Scenario by selecting/entering relevant entries. (in this case, since we want to subset the data by account group –Sold to Party, we select the appropriate entries)

Figure 6.1

Characteristic 0CUSTOMER - Maintain Master Data: Selection

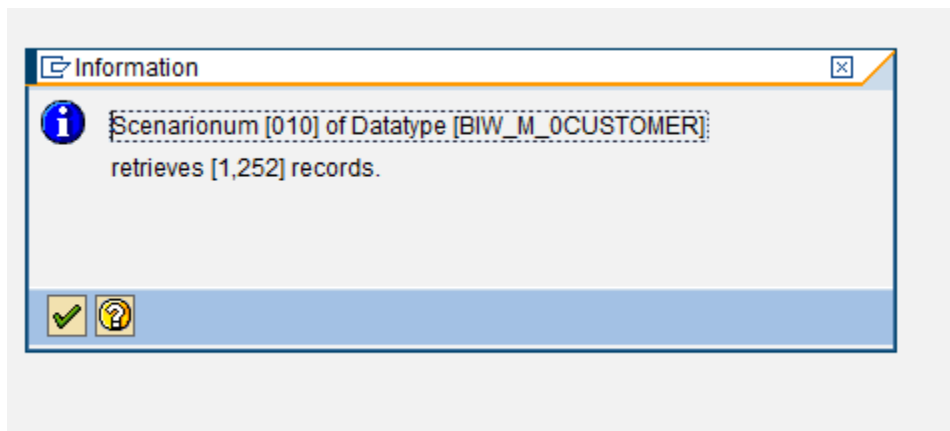
Customer	<input type="text"/>	to	<input type="text"/>	
Account group	<input type="text"/>	to	<input type="text"/>	
Address	<input type="text"/>	to	<input type="text"/>	
No. Customer-DC	<input type="text"/>	to	<input type="text"/>	
Cust.ID Partnersyst.	<input type="text"/>	to	<input type="text"/>	
Geographical Height	<input type="text"/>	to	<input type="text"/>	
APO Location	<input type="text"/>	to	<input type="text"/>	
Business Partner	<input type="text"/>	to	<input type="text"/>	
Location	<input type="text"/>	to	<input type="text"/>	
CAM: City District	<input type="text"/>	to	<input type="text"/>	
Country	<input type="text"/>	to	<input type="text"/>	
Customer Classific.	<input type="text"/>	to	<input type="text"/>	
Customer Market	<input type="text"/>	to	<input type="text"/>	
Customer is consumer	<input type="text"/>	to	<input type="text"/>	
US 1987 SIC 1	<input type="text"/>	to	<input type="text"/>	
Annual Turnover	<input type="text"/>	to	<input type="text"/>	
Area Code	<input type="text"/>	to	<input type="text"/>	
Country Code	<input type="text"/>	to	<input type="text"/>	
City Name	<input type="text"/>	to	<input type="text"/>	
Customer Status	<input type="text"/>	to	<input type="text"/>	
District Code	<input type="text"/>	to	<input type="text"/>	
D-U-N-S Number	<input type="text"/>	to	<input type="text"/>	
Employee band	<input type="text"/>	to	<input type="text"/>	
Employees Total	<input type="text"/>	to	<input type="text"/>	
GU: DUNS	<input type="text"/>	to	<input type="text"/>	
HQ: DUNS	<input type="text"/>	to	<input type="text"/>	
Legal Status	<input type="text"/>	to	<input type="text"/>	
Location Code	<input type="text"/>	to	<input type="text"/>	
Region Code	<input type="text"/>	to	<input type="text"/>	

Figure 6.2



The scenario is saved by hitting the Execute button on top.

Once the scenario is saved, a pop-up box informs the user that the scenario created has been saved; a scenario number has been assigned to it and displays the number of records that match the scenario criteria.



A list of available scenarios is visible to the user upon selecting the drop down for scenario number or pressing F4.

Figure 6.3

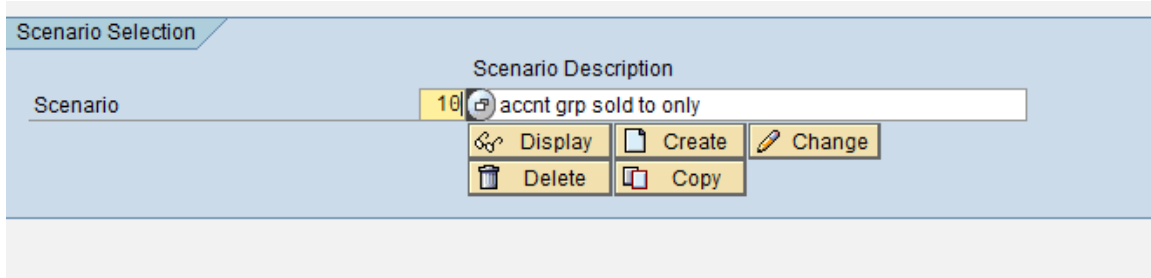


Figure 6.4

Master Data Export

Execute

Processing Options

- Summary Report Only
- Export in Foreground
- Export in Background (as a Job)

Master Data Components

- Master Data Attributes
- Master Data Texts All
- Master Data Hierarchies

Data Selection Mode

- All Master Data
- Subset Master Data

Master Data Selection

InfoObject: @CUSTOMER

Scenario Selection

Scenario Number: **Scenar**

Restrictions

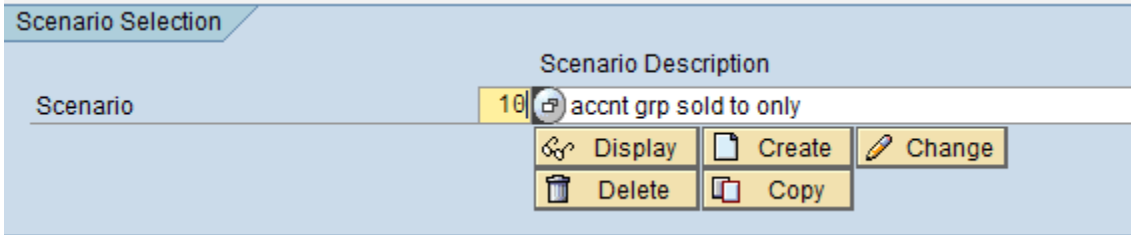
X (1) 20 Entries found

Sc.Num	Scenario Description	Sc. Own...	Record Ct.
001	Scenario Subset @customer	SSHAIKH	1
002	test 1007	SSHAIKH	1,252
007	by acct grp payer	SSHAIKH	7
009	customer by bill to	SSHAIKH	1
010	by acct grp sold to only	SSHAIKH	1,313
011	by sold to party -kraft	SSHAIKH	1,252
013	by sold to party -kraft	NEERAJA	1,252
017	customers by account group JPMC	MHAYES	7
021	by account group bemis	SSHAIKH	1,252
024	by account group chep	SSHAIKH	1,252
026	customer by account group sold to NG	SSHAIKH	1,252
027	customer by account group	SSHAIKH	1,252
028	Sample of Customers for DEV	MHAYES	1
029	customer by actgrp soldto	SSHAIKH	1,252
030	Subset by Customer Number and Account Group	SSHAIKH	9
032	all*	SSHAIKH	20,572
034	customer by acct group sold to	SSHAIKH	1,252
035	subset of customer by sold to	NEERAJA	1,313
036	customer by account group sold to	SSHAIKH	1,252

20 Entries found

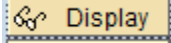
Once created, the scenarios can be displayed, changed, deleted or copied to another scenario by selecting the appropriate buttons as shown below.

Figure 6.5



Displaying a Scenario

The Display scenario will display the values of the Attributes that were selected to create the scenario




When pressing Display, the scenario selection criteria will be displayed. No changes can be made in Display mode. Pressing the Back  button will take the user to the Gold Client BW Export screen.

Figure 6.6

Attribute	Value	to	Value
Customer		to	
Account group	0001	to	
Address		to	
No. Customer-DC		to	
Cust.ID Partnersyst.		to	
Geographical Height	0.000	to	0.000
APO Location		to	
Business Partner		to	
Location		to	
CAM: City District		to	
Country		to	
Customer Classific.		to	
Customer Market		to	
Customer is consumer		to	
US 1987 SIC 1		to	
Annual Turnover	0	to	0
Area Code	0	to	0
Country Code		to	
City Name		to	
Customer Status		to	
District Code	0	to	0
D-U-N-S Number	0	to	0
Employee band		to	
Employees Total	0	to	0
GU: DUNS	0	to	0

Changing a Scenario

The Change scenario will enable the user to edit the existing scenario and save it.





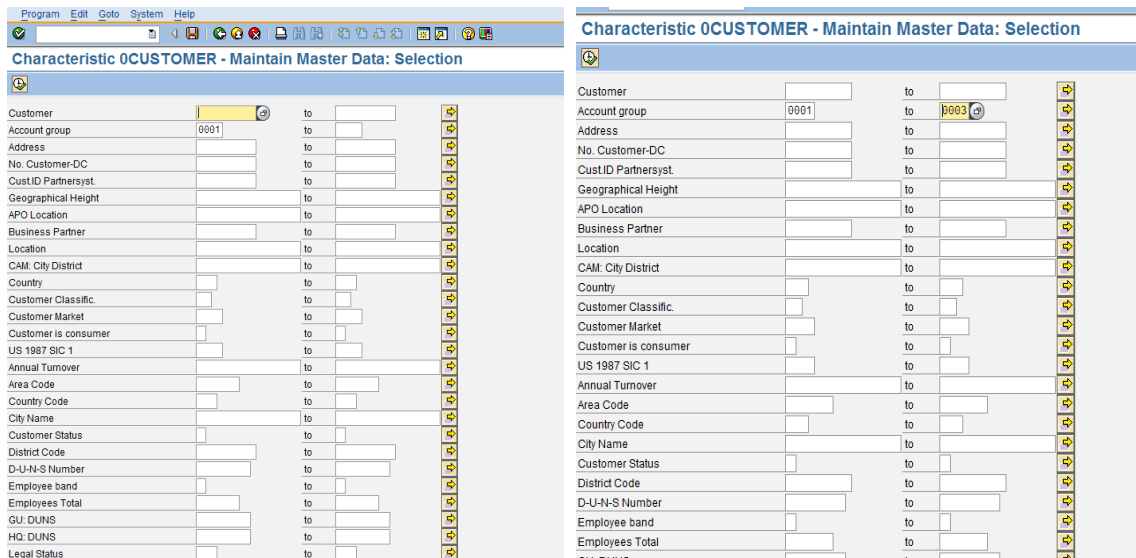
When pressing Change, a pop-up box will allow the user to change the description of the scenario (if that is required by the user) and then the scenario selection criteria will be displayed in edit mode. Changes can be made now. Pressing the Back  button will take the user to the Gold Client BW Export screen without saving the changes. Pressing the execute  button will save the changes to the existing scenario.

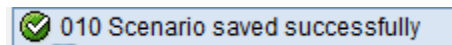
Figure 6.7

Before Change:


After Change:

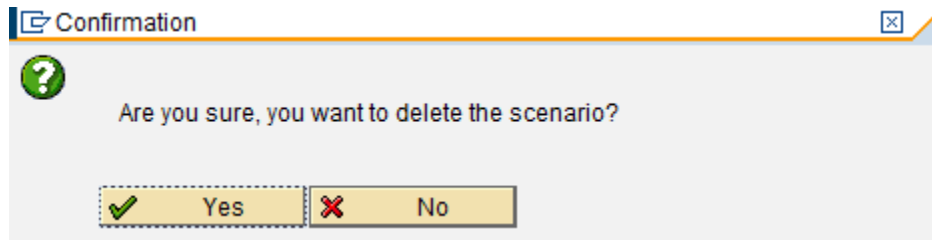


Once the user presses the Execute button, the scenario is saved and the user will be taken back to the Gold Client BW Export Screen. A message will appear on the bottom of the screen informing the user that the scenario (#) that was being edited has been saved with new/updated selection criteria.

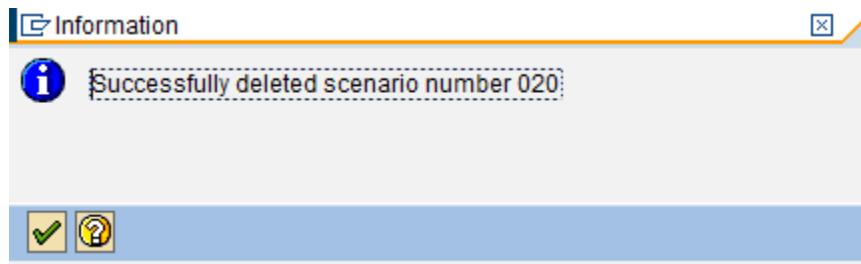


Deleting a Scenario

The Delete Scenario button will delete an existing scenario.  Delete
A message will appear as a pop-up on the screen asking for confirmation.



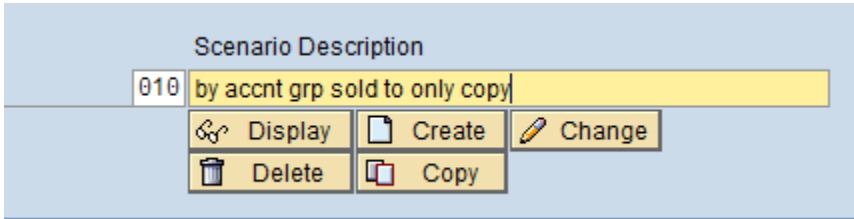
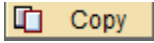
Pressing Yes will confirm and the scenario will be deleted. Another pop-up box will inform user that the scenario has been successfully deleted.



Once a scenario is deleted, it is not possible to recover the information stored for the scenario. The user will have to recreate the scenario.

Copying a Scenario

The Copy scenario button will function as a Copy As. The existing scenario can be copied over to a new scenario by pressing this button and entering a description.



Importing Master Data

Import Data controls the import of data into a target client. As most of the data controls exist on the export side, the import functions are designed to import data from the Gold Client BW data files.

Important Considerations before Importing

Gold Client BW supports Master Data Attributes, Texts and Hierarchies.

Reporting

Data is loaded to InfoProviders via Requests. Once data is successfully imported, in case of InfoObject InfoProviders, the data will be available for reporting.

SID's

When importing Master Data Attributes, if these records are not present in the importing system, Gold Client BW will generate new SID's. If the records are already present, the SID's will not be overwritten. In this way, Gold Client BW will not impact master data already existing in the importing systems.

Attribute Change Run

After importing Master Data, an Attribute Change run may need to be scheduled. Gold Client BW does not schedule an Attribute Change Run automatically. InfoObjects which have had data imported using Gold Client BW and are relevant for Attribute Change run, will be identified by SAP and be listed in the InfoObject list for Attribute Change run.

Data Flow Structures

When importing data, Gold Client BW will automatically create relevant data flow structures such as InfoPackage, InfoSource, Update Rules, etc. for source system ZGOLD. These are readily identifiable as belonging to ZGOLD for they contain ZAU* in their names. Ensure that these are not collected in a transport and sent to upstream systems.

The technical names of Data flow structures will contain:

```
Master data Attributes will contain ZAUA*
Master data Texts will contain ZAUT*
Transaction data InfoCubes will contain ZAUC*
Transaction data DSO will contain ZAUO*
```

The generation of the data flow structures is controlled by the setting ALLOW_REGENERATE_DF_COMPONENTS available in the "Miscellaneous Configuration" utility. By default, Gold Client BW will automatically create relevant data flow for source system ZGOLD EACH time an import is run. This is to ensure that all data flow components are active and compatible with the data being loaded.

The setting for ALLOW_HIERARCHY_OVERWRITE determines the behavior of GOLD CLIENT during Hierarchy imports in the foreground/background. This setting is set in the "Miscellaneous Configuration" utility. If this setting is not active, GOLD CLIENT

will rename the imported hierarchies which are found to already exist in the importing system (this is the default recommended setting). If this setting is active, GOLD CLIENT will overwrite the existing hierarchies when the hierarchy technical names are identical.

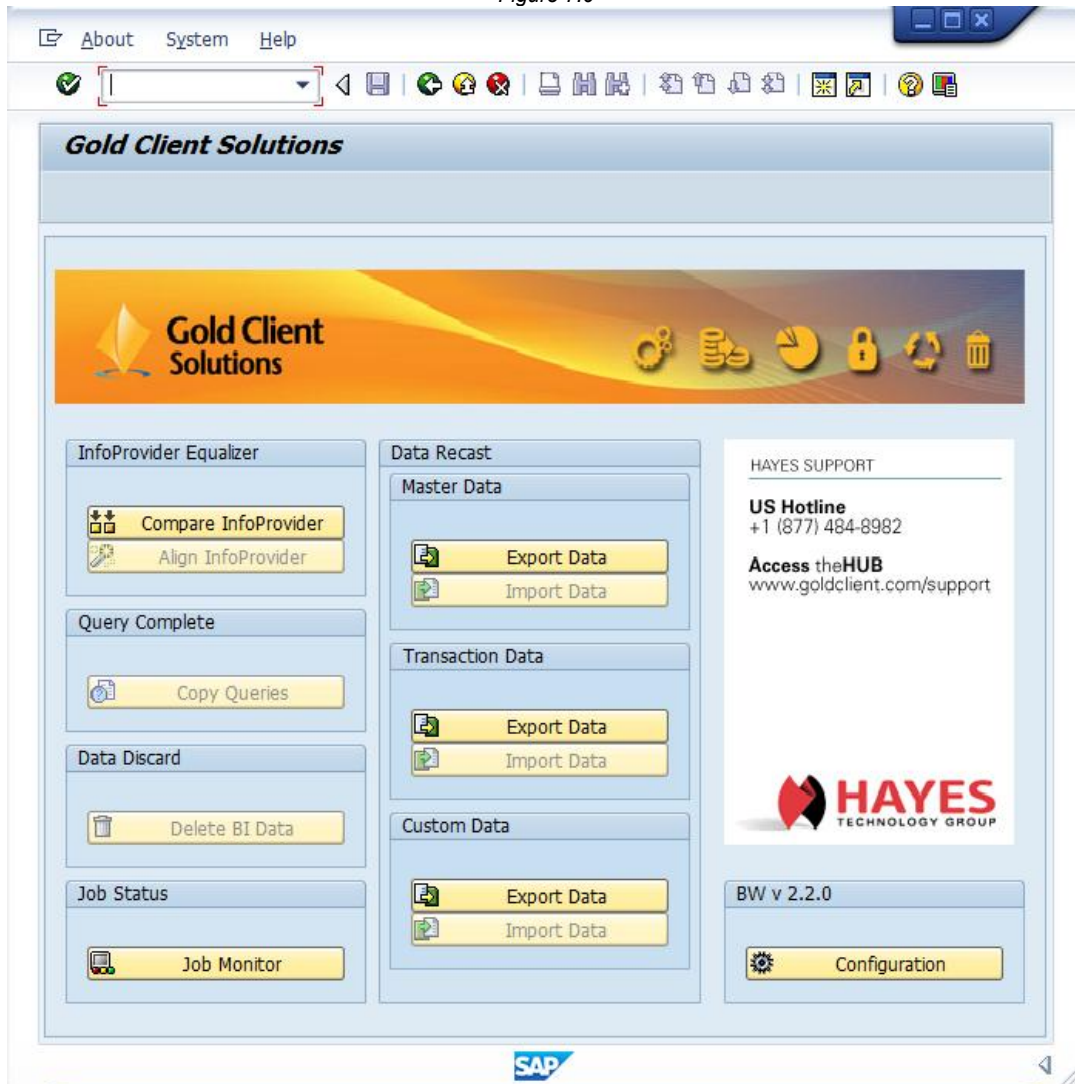
Transport Settings

In most SAP BW installations, the transport organizer settings for transports are set to Standard off. If this is the case, there is no impact on the settings by using Gold Client BW. In the rare case the transport settings are set to Standard, Gold Client BW will reset this during the import process and will set it back to its original value once the data loads are complete.

Production System Safeguards

The Import Data options will not be available in your production system so there is no risk of importing into production. This is possible because the license key is built for the customer using their production system ID. When logged into that production system, Gold Client BW functionality disallows the Import Data buttons on ZGOLDBW transaction. (Fig. 7.0)

Figure 7.0



Selecting Data for Import

The import can be executed by each individual file, or with a range of files. There is no limit to the number of files imported at one time.

The user can optionally search for the export file(s) by filtering on file creation date or by the user who ran the export.

Figure 7.1

The screenshot displays the 'Master Data Import' interface. At the top, there is an 'Execute' button with a play icon. Below this is the 'Processing Options' section, which includes three radio buttons: 'Summary Report Only' (selected), 'Import in Foreground', and 'Import in Background (as a Job)'. The 'Select Gold Client Files' section contains a 'Selection Filter' area with two rows of text boxes for 'File creation date' and 'User who ran Export', each followed by a 'to' text box and a search icon. There is also a checkbox for 'Only Show Passport Files'. Below the filters are two buttons: 'Select files for Import' and 'Select Files to Delete'. The 'Gold Client Files to Import' section at the bottom includes a 'Default File Path' text box containing '/sapbackup/BW_GOLD_EXPORT/', a 'Filename(s)' text box with a search icon, and a 'Number of files to process' text box containing '0'.


In addition, Passport files can be isolated to locate export files that were run together as part of an Export Job. Check the *Only show Passport files* box (Fig. 7.1), and then .

Figure 7.2

Filename	Datatype	Coll.Ct.	Username
B-W-TEXT_OCUSTOMER_BIU_800.20100922.151337	BIW_M_OCUSTOMER	18083	SSHAIKH
B-W-PASS_SSHAIKH_BIU_800.20100922.151311	Master Data		SSHAIKH
B-W-TEXT_OCUSTOMER_BIU_800.20100922.151311	BIW_M_OCUSTOMER	18083	SSHAIKH
B-W-ATTR_OCUSTOMER_BIU_800.20100922.151304	BIW_M_OCUSTOMER	20572	SSHAIKH
B-W-PASS_SSHAIKH_BIU_800.20100922.150921	Master Data		SSHAIKH
B-W-ATTR_OCUSTOMER_BIU_800.20100922.150916	BIW_M_OCUSTOMER	20572	SSHAIKH
B-W-TEXT_OCUSTOMER_BIU_800.20100922.150921	BIW_M_OCUSTOMER	18083	SSHAIKH
B-W-PASS_NEERAJA_BIU_800.20100922.104553	Master Data		NEERAJA
B-W-ATTR_OCUSTOMER_BIU_800.20100922.104551	BIW_M_OCUSTOMER	1	NEERAJA
B-W-TEXT_OCUSTOMER_BIU_800.20100922.104553	BIW_M_OCUSTOMER	1	NEERAJA
B-W-PASS_NEERAJA_BIU_800.20100921.141453	Master Data		NEERAJA
B-W-HIER_OCUSTOMER_BIU_800.20100921.141453	BIW_M_OCUSTOMER	3	NEERAJA
B-W-HIER_OCUSTOMER_BIU_800.20100921.141452	BIW_M_OCUSTOMER	20	NEERAJA

Figure 7.2 shows a list of export files available for import. The Passport files help isolate those files which were included with a given Export. The font for Passport files is blue. The naming convention of the file is as follows:

(B-W- Type of data (ATTR for Master data Attributes, TEXT for Master Data Texts, HIER for Hierarchies)_InfoObject name_Source SID_Source Client_Date.Time)

The Data Type, Record Count and Username are shown alongside the file to help isolate files for import. Once the files are selected, choose the Accept Selections button.

Import Processing Options

There are three options under Processing Options:

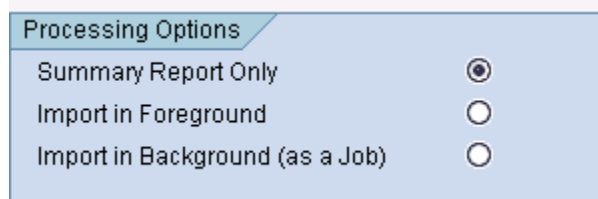
- Summary Report Only
- Import in Foreground
- Import in Background (as a Job)

Import Summary Report

The import function of Gold Client BW contains a report to show details of the import before the actual import process runs. Tables, count, size and total size of the actual import will be shown.

On the Import screen (Fig. 7.3), select `Summary Report Only` and also select files ready for import. This option is chosen by default.

Figure 7.3



Upon execution, a report detailing the tables, record count, size, physical file path, etc. appears (Fig. 7.4). Remember, this is only a report and is not the same as the actual import.

Figure 7.4

Master Data Import Report Summary

Gold Client BW Simulation Report

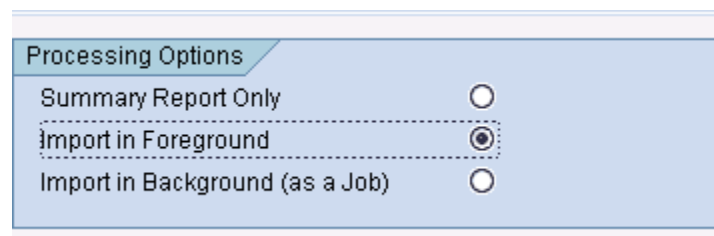
Table Name	Rec Ct	Tab Width	No. of bytes	InfoProvider	Physical file path
38,672		67,850,098			
/BI0/MCUSTOMER	20,572	3,210	66,036,120	0CUSTOMER	/sapbackup/BW_GOLD_EXPORT/B-W-ATTR_0CUSTOMER__BIU_800.
/BI0/TCUSTOMER	18,083	100	1,808,300	0CUSTOMER	/sapbackup/BW_GOLD_EXPORT/B-W-TEXT_0CUSTOMER__BIU_800.
/BI0/HCUSTOMER	17	334	5,678	0CUSTOMER	/sapbackup/BW_GOLD_EXPORT/B-W-HIER_0CUSTOMER__BIU_800.

Import in Foreground

Some planning is necessary before executing the import. As with all BW load processes, it is recommended to load Master data first before loading Transaction data for improved loading performance. For large data loads, it is strongly recommended to run the Gold Client BW Import program in the background.

Ensure that adequate communication between the business teams occurs before importing data into a target client already containing data.

Figure 7.5



When ready to import, select `Import in Foreground` (Fig. 7.5). The import of the Gold Client BW files will then occur in the foreground and update the database. It is important to note that the user's dialog session will be tied up until the import is complete so for large amounts of data, executing the import in the background may be preferable.

A sample import report is represented in the following image:

Figure 7.6

Master Data Import Report (Foreground)

Master Data Import				
InfoProvider	Obj. Type	Rec. Count	No. of bytes	File Name
0CUSTOMER	ATTR	20.572	67.352.728	/sapbackup/BW_GOLD_EXPORT/BLD_M_SSHAIKH_FileID_BIU_800.20091120.124832
0CUSTOMER	TEXT	18.083	1.808.300	/sapbackup/BW_GOLD_EXPORT/BLD_M_SSHAIKH_FileID_BIU_800.20091120.124838

The report shows all the tables that received data and how many records were imported for each table.

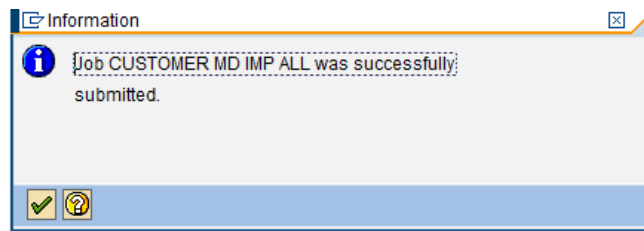
Import in Background (as a Job)

For importing large amounts of data, it is best to run the import in the background. If the user chooses **Import in Background (as a Job)** (Fig. 7.7), a job name must be specified. This can be anything. It will be needed when monitoring the job in SM37 or with the Job Monitor option on ZGOLDBW.

Figure 7.7

The screenshot shows the 'Master Data Import' dialog box. At the top, there is a blue header with the title 'Master Data Import' and an 'Execute' button with a green play icon. Below the header is a 'Processing Options' section with three radio buttons: 'Summary Report Only', 'Import in Foreground', and 'Import in Background (as a Job)'. The 'Import in Background (as a Job)' option is selected. To the right of the 'Import in Background (as a Job)' option is a text input field containing the job name 'CUSTOMER MD IMP ALL'.

Upon pressing **Execute**, the job will be submitted in the background and a pop-up box informing the user of the same will appear on the screen.



Pressing the **Enter** button will take the user to the previous screen.

Monitoring the job can be done in SM37 or from the Job Monitor button.

Figure 7.8

Date	Time	Message text
10/14/2010	11:14:02	Job started
10/14/2010	11:14:02	Step 001 started (program /HTG/BIW_IMP_P_00, variant &000000000120, user ID SSHAIKH)
10/14/2010	11:14:02	***** START - Master Data Import *****
10/14/2010	11:14:02	
10/14/2010	11:14:02	IMPORT Number of Files [2]
10/14/2010	11:14:02	IMPORT Re-generate Data Flow Components [X]
10/14/2010	11:14:02	
10/14/2010	11:14:02	==> Processing : 1 of 2 File(S)
10/14/2010	11:14:02	***** START ** Import InfoObject [OCUSTOMER]: << Attributes >>

The Job log will detail information viz.

- Date and start time
- Type of Import – Master or Transactional Data
- Number of files
- Regeneration of Data flow components setting

Importing Hierarchies

When hierarchies are selected for import, Gold Client checks whether these hierarchies already exist in the importing system.

The setting for ALLOW_HIERARCHY_OVERWRITE determines the behavior of GOLD CLIENT during Hierarchy imports in the foreground/background.

If this setting is not active, GOLD CLIENT will rename the imported hierarchies which are found to already exist in the importing system.

If this setting is active, GOLD CLIENT will overwrite the existing hierarchies when the hierarchy technical names are identical.

Figure 7.9

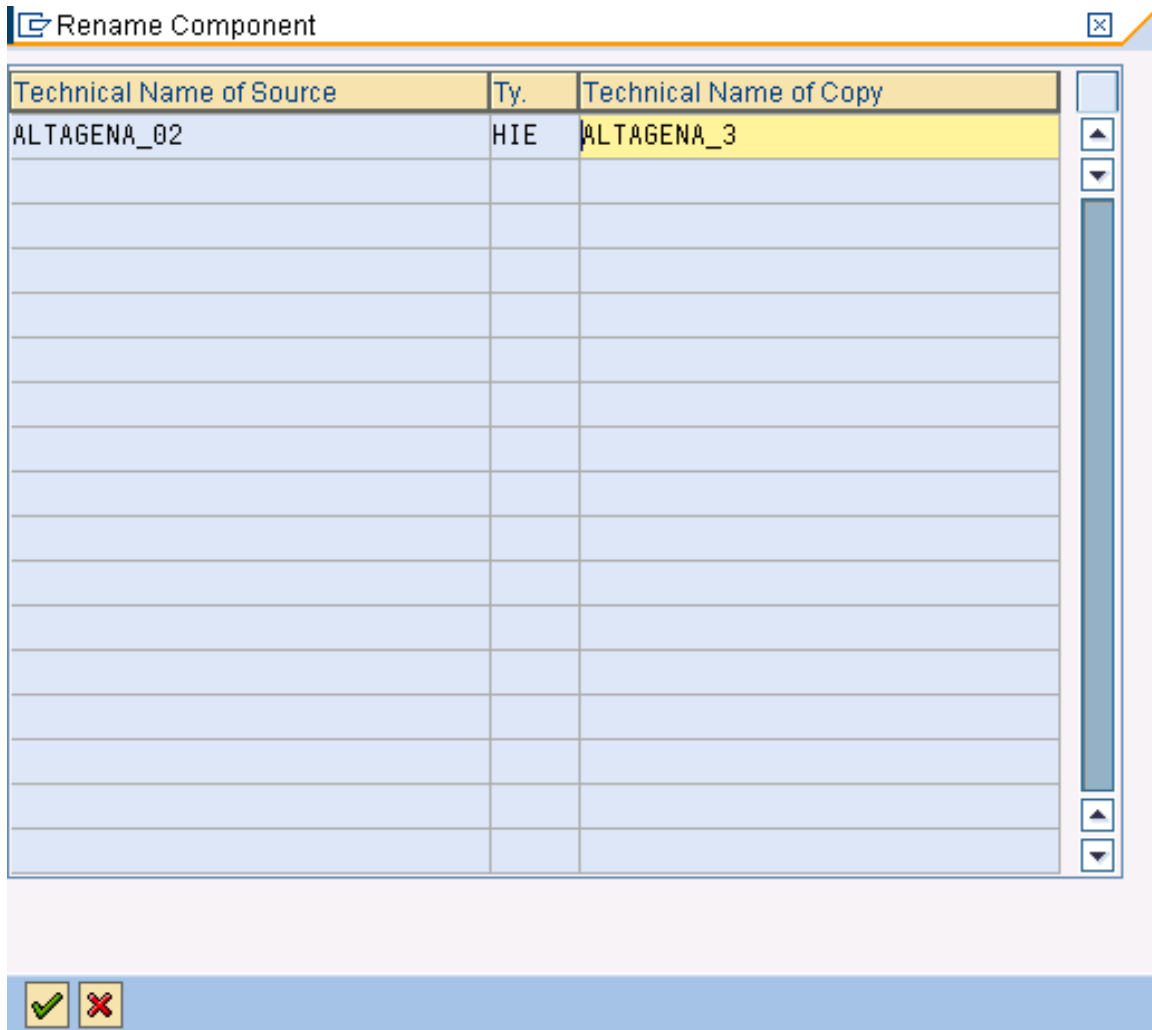
The screenshot displays the 'Master Data Import' window with the following sections and controls:

- Execute:** A green button with a play icon.
- Processing Options:**
 - Summary Report Only:
 - Import in Foreground: Enter Job Name
 - Import in Background (as a Job): IMP ORG UNIT DATA
- Select Gold Client Files:**
 - Selection Filter:
 - File creation date: [] to [] []
 - User who ran Export: [] to [] []
 - Only Show Passport Files
 - Select files for Import: []
 - Select Files to Delete: []
- Gold Client Files to Import:**
 - Default File Path: /sapbackup/BW_GOLD_EXPORT/
 - Filename(s): B-W-HIER_00RGUNIT_ []
 - Number of files to process: 3
- Additional Parameters:**
 - Re-generate Data Flow Components:
 - Overwrite Hierarchies:

If the OVERWRITE HIERARCHIES box is not checked, the selected hierarchies will be imported into the system. GOLD CLIENT will determine a new name for the hierarchies hence preserving the data in the hierarchies already existing for the InfoObject in the importing system. Usually, the hierarchies are renamed by adding _1 as a suffix to the existing name of the hierarchy.

Upon running the hierarchy imports, if the hierarchies already exist in the importing system, user will see a pop-up box with the renamed (suggested by Gold Client automatically) version of the hierarchy. The user can enter in a different name here.

Figure 7.10



Hence, it is possible to import hierarchies which already exist in the target system by accepting the default GOLD CLIENT generated name for the hierarchy or the user can specify a different name.

Transaction Data (Data Recast)

Exporting Transaction Data

Important note: When Gold Client BW exports Transaction data, relevant master data is automatically exported as well.

e.g. When the user exports transaction data belonging to a Sales Cube which contains multiple characteristics such as Sales Organization, Distribution Channel, Division, Customer et al, the relevant master data for these characteristics (i.e. the ones contained in the cube) is exported too.

To display the Transaction Data Export selection screen for exporting Transactional Data, click the Export Data button in the Transaction Data section.



The Transaction Data Export selection screen provides the options and selections for exporting transaction data belonging to InfoCubes and/or DSO's.

Figure 8.0

 A screenshot of the "Transaction Data Export" selection screen. The screen has a blue header with the title "Transaction Data Export". Below the header is a toolbar with "Execute" and a refresh icon. The main area is divided into several sections:

- Processing Options:** Contains three radio buttons: "Summary Report Only" (selected), "Export in Foreground", and "Export in Background (as a Job)".
- Info Provider:** Contains two radio buttons: "InfoCubes" (selected) and "DataStore Objects".
- Data Selection Mode:** Contains three radio buttons: "All Transaction Data" (selected), "Subset Transaction Data", and "Subset Transaction Data By Time".
- Transaction Data Selection:** Contains a text input field with "InfoCube" entered, followed by a yellow bar, a "to" label, another text input field, and a right-pointing arrow icon.

Selecting Transactional Data

Users can choose the transactional data they wish to export by selecting options on the Transaction Data Export screen.

The user has the option to select InfoCubes or DataStore Objects.

Figure 8.0

The screenshot displays the 'Transaction Data Export' interface. At the top, there is a blue header with the title 'Transaction Data Export' and an 'Execute' button with a play icon. Below the header, the interface is divided into several sections, each with a title and a list of options with radio buttons:

- Processing Options:**
 - Summary Report Only (selected)
 - Export in Foreground
 - Export in Background (as a Job)
- Info Provider:**
 - InfoCubes (selected)
 - DataStore Objects
- Data Selection Mode:**
 - All Transaction Data (selected)
 - Subset Transaction Data
 - Subset Transaction Data By Time
- Transaction Data Selection:**
 - InfoCube
 - A yellow input field with a magnifying glass icon and a 'to' label.
 - A white input field with a right-pointing arrow icon.

InfoCube selection will enable the user to select the transactional data belonging to an InfoCube. The user can either manually type in the InfoCube or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

DSO selection will enable the user to select the master data for InfoObjects belonging to a DSO. The user can either manually type in the DSO name or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

Data selection: The user has three options to select export of transactional data.

Figure 8.1

Transaction Data Export

Execute

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Info Provider

InfoCubes

DataStore Objects

Data Selection Mode

All Transaction Data

Subset Transaction Data

Subset Transaction Data By Time

Transaction Data Selection

InfoCube to ➔



All Transactional Data: This selection will enable the user to select all transactional data belonging to InfoCube(s) or DSO(s). User can select one or multiple InfoCube(s) or DSO(s)

Subset of Transaction Data: This selection will enable the user to select a subset of transactional data belonging to ONE InfoCube or DSO. Scenarios have to be created for an InfoCube or DSO and then the Export job can be run

Subset of transaction Data by time: This selection will enable the user to select transactional data belonging to InfoCube(s) or DSO(s) by time. The user can either manually type in the InfoCube/DSO or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too. For all InfoCubes or DSO at a time, select *. User has to enter a date range for which the data is to be extracted. GOLD CLIENT BW will check whether CALDAY exists in the Cube/DSO. If not, the entered date range will be converted to the next highest available time characteristic e.g. to CALWEEK, CALMONTH, CALYEAR. Fiscal Year Variant is a mandatory entry so as to export data by FISCPER for Cubes/DSO which do not have other time characteristics present.

Figure 8.2

Transaction Data Export

 Execute 

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Info Provider

InfoCubes

DataStore Objects


Data Selection Mode

All Transaction Data


Subset Transaction Data

Subset Transaction Data By Time

Transaction Data Selection

InfoCube to 

Time Selection Criteria

Calendar Date to 

Fiscal Year Variant

In the above example, Gold Client BW will enable the user to export all transactional data belonging to ALL InfoCubes active in the current system belonging to 2/15/2004 and 4/15/2004 time frame. Gold Client BW will automatically convert the entered dates into 0CALDAY or if 0CALDAY is not present in some cubes, to the next available higher time characteristic such as 0CALWEEK, 0CALMONTH and so on.

Export Processing Options

The user has three processing options:

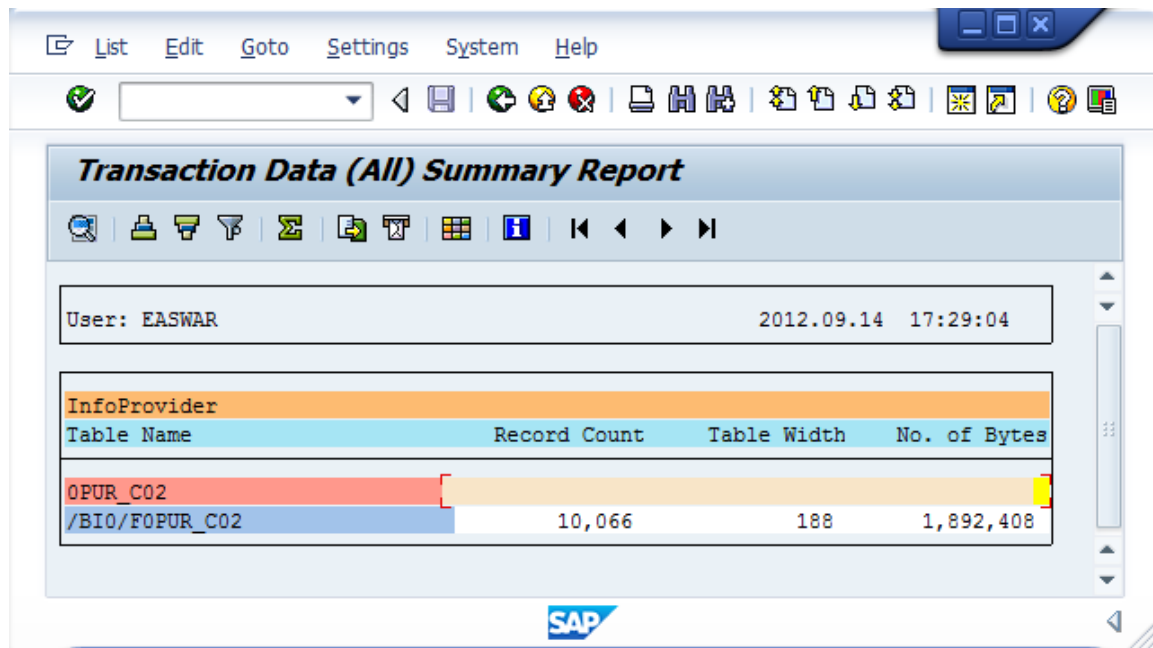
- Summary Report Only
- Export in Foreground
- Export in Background (as a Job)

Run Summary Report

When `Summary Report Only` is selected, a report details of the export (See 'Run Summary report' below). This is chosen by default.

Below is an example report for exporting `OPUR_C04` (InfoCube) in Summary Mode.

Figure 8.3



Details of Exports

- User who ran Export Summary
- Date and Time of Summary
- InfoProvider being exported
- Table from which relevant records are counted (F and E fact tables for cubes, Active table for DSO)
- Number of records

- Table Width
- File size in bytes

Export in Foreground

Export in Foreground: Executes the export and creates data files in the foreground. If the user has a small selection of data to export, doing so in the foreground is acceptable. For large exports, it is recommended to run them in the background (see below).

Figure 8.4

Transaction Data Export

Execute

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Info Provider

InfoCubes

DataStore Objects

Data Selection Mode

All Transaction Data

Subset Transaction Data

Subset Transaction Data By Time

Transaction Data Selection

InfoCube

Scenario Selection

Scenario Scenario Description

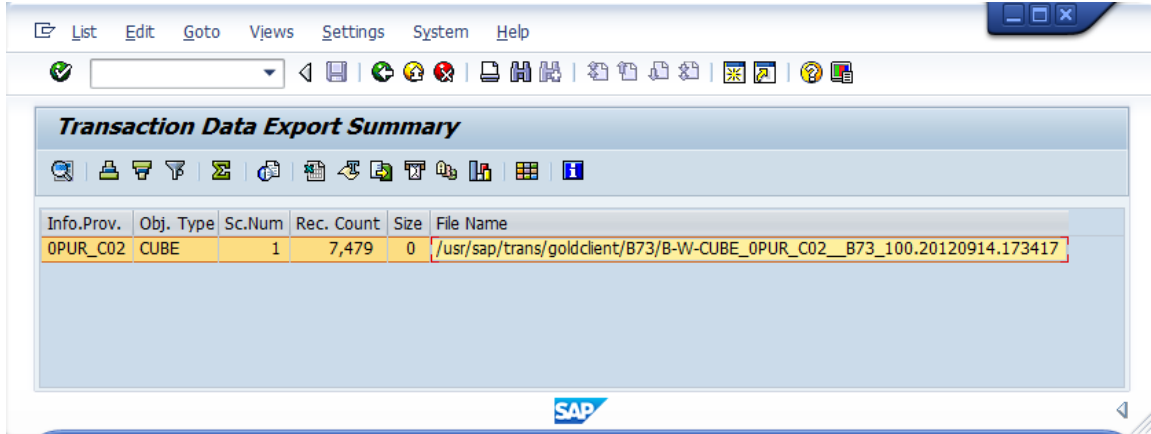
Display Create Change

Delete Copy

The Export in Foreground option is only available when running Export Subset Transaction data. This is to ensure that large exports (all transaction data belonging to multiple InfoCubes/DSO's or Subset by time for multiple InfoCubes/DSO's) are always run as a background job.

After selecting the Export in Foreground option and pressing execute, the job will be started in the foreground. On completion of the job, the following message will be displayed.

Figure 8.5



This contains information about:

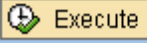

- InfoProvider being exported
- InfoProvider Type (CUBE/DSO)
- Scenario number
- Number of records
- File name

Export in Background

Export in Background (as a Job): Executes the export and creates data files in the background under a job name the user defines. It is recommended to execute an export as a background job when there are many records involved.

Figure 8.6

Transaction Data Export

Processing Options

Simulation Report Only

Export in Foreground Enter Job Name

Export in Background (as a Job)

Info Provider

InfoCubes

DataStore Objects


Data Selection Mode

All Transaction Data

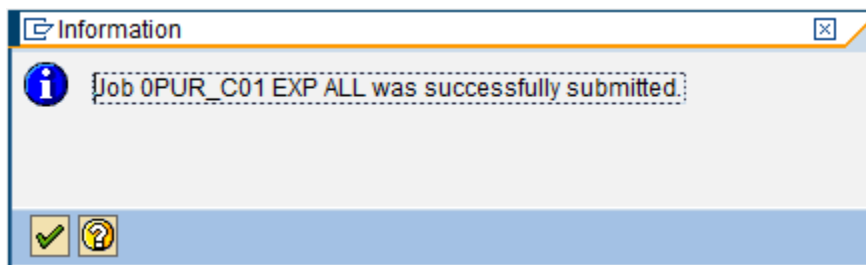
Subset Transaction Data

Subset Transaction Data By Time

Transaction Data Selection

InfoCube to 

Once the background job name is entered and the user presses the Execute button, a pop-up box will appear on the screen informing the user that the job has been successfully submitted. Pressing ENTER will take the user to the previous screen.



This job can be monitored via SM37 or by going to the Gold Client BW main screen and pressing the Job Monitor icon.

Figure 8.7

Job Log Entries for 0PUR_C01 EXP ALL / 13454300

Job log overview for job: 0PUR_C01 EXP ALL / 13454300

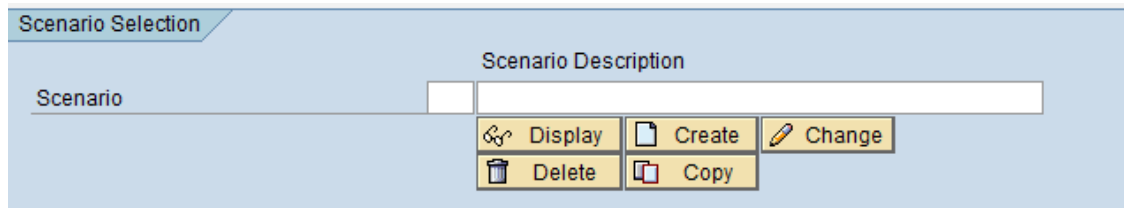
Date	Time	Message text	Message class	M
10/14/2010	13:45:44	Job started	00	
10/14/2010	13:45:44	Step 001 started (program /HTG/BIW_EXP_P_01, variant &00000000000060, user ID SSHAIKH)	00	
10/14/2010	13:45:44	**PASS** File Name: B-W-PASS_SSHAIKH_____BIU_800.20101014.134543	/HTG/BIW	
10/14/2010	13:45:44	***** START - Transaction Data Export *****	/HTG/BIW	
10/14/2010	13:45:44	EXPORT All Transaction Data [X]	/HTG/BIW	
10/14/2010	13:45:44	EXPORT Number of InfoProviders [1]	/HTG/BIW	
10/14/2010	13:45:44	EXPORT Chunk Size [50000]	/HTG/BIW	
10/14/2010	13:45:44	*****	/HTG/BIW	
10/14/2010	13:45:44	***** START ** Export InfoProvider [1]: << 0PUR_C01 >>	/HTG/BIW	
10/14/2010	13:45:44	====> Reading InfoProvider 0PUR_C01 details	/HTG/BIW	
10/14/2010	13:45:46	====> Reading InfoProvider 0PUR_C01 Data	/HTG/BIW	
10/14/2010	13:45:53	====> Records compressed and written to file [29573]	/HTG/BIW	
10/14/2010	13:46:01	====> Records compressed and written to file [50000]	/HTG/BIW	
10/14/2010	13:46:03	====> Records compressed and written to file [43747]	/HTG/BIW	
10/14/2010	13:46:03	====> TOTAL NUMBER OF RECORDS PROCESSED -----> [123320]	/HTG/BIW	
10/14/2010	13:46:06	***** END ** Export InfoProvider : << 0PUR_C01 >>	/HTG/BIW	
10/14/2010	13:46:06	***** END - Transaction Data Export *****	/HTG/BIW	
10/14/2010	13:46:06	Job finished	00	

The job log contains information such as the number of InfoProvider being exported, the date and time of the job submission, user who submitted the job, the number of records being exported and the file name.

Selection Scenarios for Transaction Data

Scenarios are a core component for exporting subsets of data as they control which data is targeted for export.

Scenarios can be built for master data or for transactional data. This section details how a scenario can be built, copied, changed or deleted for transactional data.



Scenarios are reusable. Once created, they can be accessed by multiple users who have access to Gold Client.

Scenarios will fetch the latest information available in the target InfoCube/DSO. Hence, once the scenarios are created, it is not required to update/modify the scenarios to fetch the latest information.

Creating a Scenario

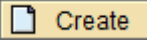
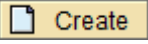
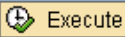

- Select the **Transaction Data Export** button.
- Choose **Subset Transaction Data**
- Choose an InfoCube or DSO and Enter. The below example is for an InfoCube. (0PUR_C01) NOTE: Scenarios can be built for only one InfoCube or DSO at a time.
- To build scenarios for DSO's, select DSO from the InfoProvider tab. The rest of the steps are identical.
- Enter a description in the Scenario Description box and Select  and a new Scenario will be created.
- A pop-up box will be displayed which contains the Scenario Description entered. The user can also enter in a description here if one was not provided before pressing the  button.

Figure 9.0

Transaction Data Export

Processing Options

Summary Report Only

Export in Foreground

Export in Background (as a Job)

Info Provider

InfoCubes

DataStore Objects

Data Selection Mode

All Transaction Data

Subset Transaction Data

Subset Transaction Data By Time

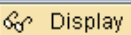
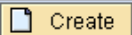
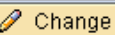
Transaction Data Selection

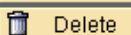
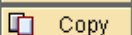
InfoCube Purchasing Data

Scenario Selection

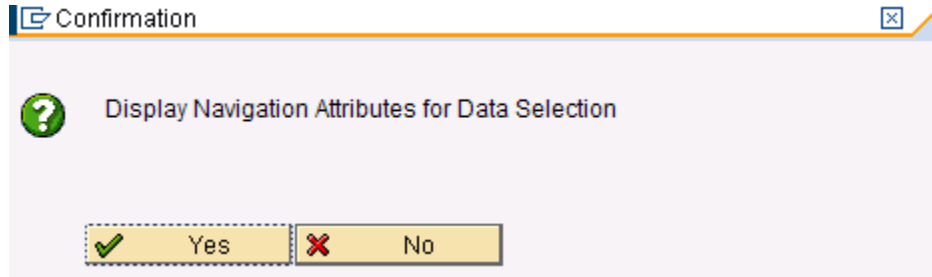
Scenario

Scenario Description

- Next, a pop-up box will appear on the screen asking for confirmation from the user if Navigational Attributes included in the InfoCube/DSO are to be presented as a selection criteria for selecting the data.



- The user can select Yes/No for the Navigational Attributes to be included or excluded.
- The next screen will present a list of all InfoObjects and Navigation Attributes belonging to the InfoCube/DSO (here, 0PUR_C01).

This is identical to the Manage InfoProvider – Display contents through RSA1. The InfoObjects having [] brackets at the end of their names are Navigation Attributes included in the InfoProvider. E.g. Division, Industry etc.

Next, construct the Scenario by selecting/entering relevant entries. (in this case, since we want to subset the data by Country – Germany and USA, we select the appropriate entries)

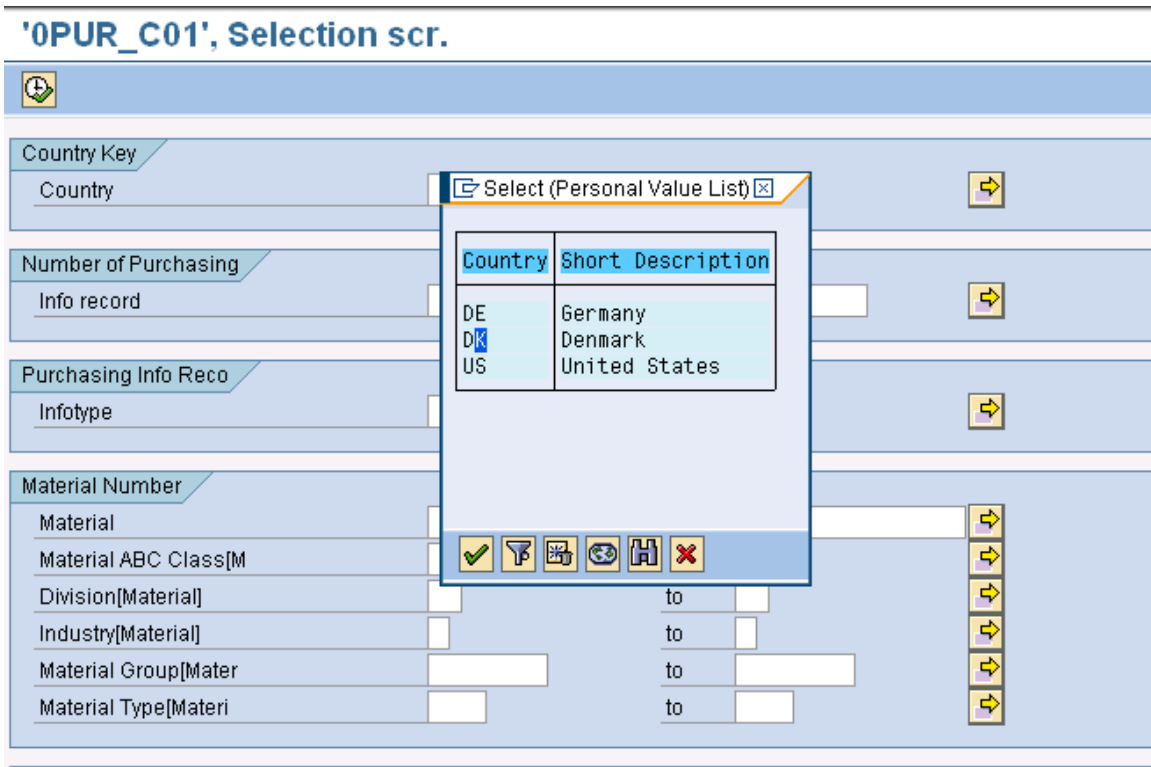
Figure 9.1

'0PUR_C01', Selection scr.

The screenshot displays a selection screen for scenario '0PUR_C01'. It consists of several sections, each with a title bar and a list of selection criteria. Each criterion typically includes a text field, a 'to' field, and a navigation arrow icon.

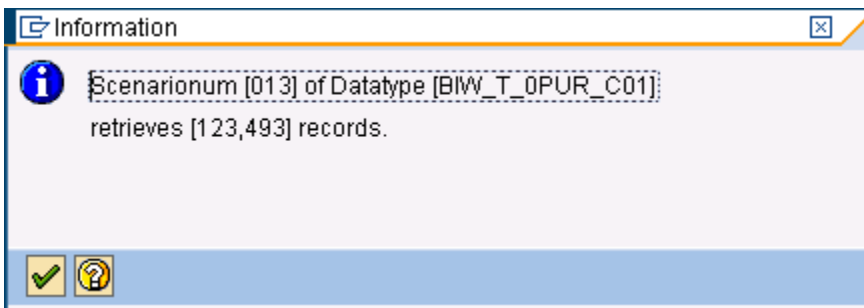
- Country Key:** Country (with a copy icon) to []
- Number of Purchasing Info record:** [] to []
- Purchasing Info Reco:** Infotype [] to []
- Material Number:**
 - Material [] to []
 - Material ABC Class[M] [] to []
 - Division[Material] [] to []
 - Industry[Material] [] to []
 - Material Group[Mater] [] to []
 - Material Type[Materi] [] to []
- Material Group:** Material group [] to []
- Purchasing Organizat:** Purchasing org. [] to []
- Indicator: Data to b:** Reverse [] to []
- Vendor Number:**
 - Vendor [] to []
 - Business Partner[Ven] [] to []
 - Country[Vendor] [] to []
 - D-U-N-S Number[Vendo] [] to []
 - Industry[Vendor] [] to []
 - Postal Code[Vendor] [] to []
 - Region[Vendor] [] to []
- Version/Value Type:**
 - Version [] to []
 - Value type [] to []
- Contracts:** Flag for Contracts [] to []

Figure 9.2



The scenario is saved by hitting the Execute button on top.

Once the scenario is saved, a pop-up box informs the user that the scenario created is saved, a scenario number has been assigned to it and displays the number of records that match the scenario criteria.



A list of available scenarios is visible to the user upon selecting the drop down for scenario number or pressing F4.

Figure 9.3

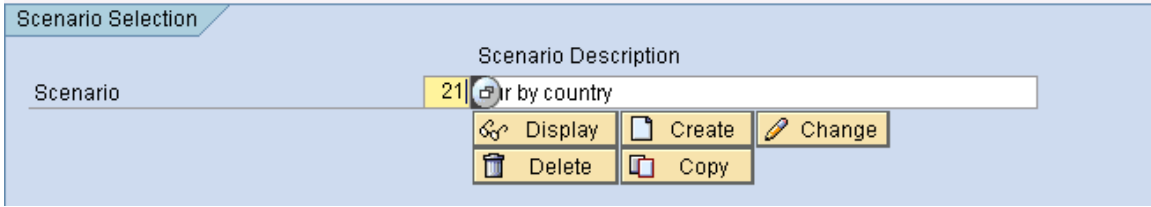


Figure 9.4

Transaction Data Export

Execute

Processing Options

- Summary Report Only
- Export in Foreground
- Export in Background (as a Job)

Info Provider

- InfoCubes
- DataStore Objects

Data Selection Mode

- All Transaction Data
- Subset Transaction Data
- Subset Transaction Data By Time

Transaction Data Selection

- InfoCube

Scenario Selection

Scenario

X (1) 49 Entries found

Restrictions

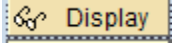
Sc.Num	Scenario Description	Sc. Owner	Record Ct.
004	Pur by Vendor	SSHAIKH	86,636
005	Pur by InfoRecord	SSHAIKH	123,493
007	purchasing subset	SSHAIKH	84,490
008	pur records by ctry DE	SSHAIKH	42,739
009	pur by country DE	SSHAIKH	76,641
011	Purchasing records for DE	SSHAIKH	36,857
013	ctry de	SSHAIKH	147,599
014	Pur records by Ctry DE	SSHAIKH	36,857
016	Pur data by country	SSHAIKH	36,857
017	test wildcards	SSHAIKH	192,312
018	purchasing by ctry	SSHAIKH	36,857
019	test	GCSUPERUSER	47,633
020	request id	SSHAIKH	0
021	Pur by country	SSHAIKH	36,857
022	pur by de	SSHAIKH	36,857
023	PUR BY CTRY	SSHAIKH	40,589
024	Subset By Time	NEERAJA	1,247
025	Subset By Time	NEERAJA	1
026	Subset By Time	NEERAJA	51,006

49 Entries found

Once created, the scenarios can be displayed, changed, deleted or copied to another scenario by selecting the appropriate buttons

Displaying a Scenario

The Display scenario will display the values of the InfoObjects that were selected to create the scenario



















When pressing Display, the scenario selection criteria will be displayed. No changes can be made in Display mode. Pressing the Back  button will take the user to the Gold Client BW Export screen.

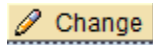
Figure 9.5

'0PUR_C01', Selection scr.

			
Country Key			
Country	DE	to	
Number of Purchasing Info record			
		to	
Purchasing Info Reco			
Infotype		to	
Material Number			
Material		to	
Material ABC Class[M		to	
Division[Material]		to	
Industry[Material]		to	
Material Group[Mater		to	
Material Type[Materi		to	
Material Group			
Material group		to	
Purchasing Organizat			
Purchasing org.		to	
Indicator: Data to b			
Reverse		to	
Vendor Number			
Vendor		to	
Business Partner[Ven		to	

Changing a Scenario

The Change scenario will enable the user to edit the existing scenario and save it.



When pressing Change, the scenario selection criteria will be displayed in edit mode. Changes can be made now. Pressing the Back button will take the user to the Gold Client BW Export screen without saving the changes. Pressing the execute button will save the changes to the existing scenario.

Fig 9.7 shows the scenario selection criteria before the change. The scenario selection is based on Country Germany (DE).

Figure 9.6

Before Change:

After Change:

'0PUR_C01', Selection scr.

Country Key
Country DE

Number of Purchasing
Info record

Purchasing Info Reco

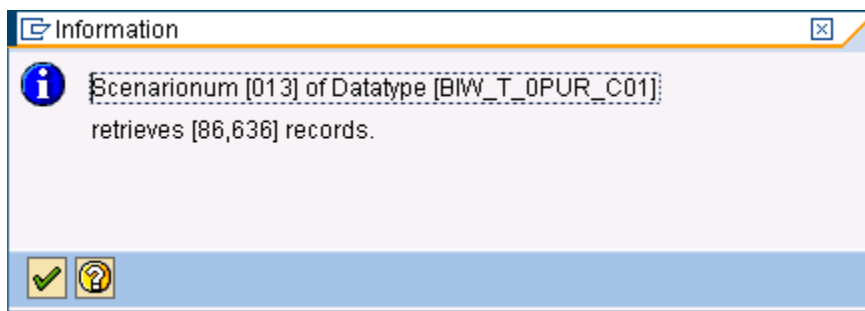
'0PUR_C01', Selection scr.

Country Key
Country US

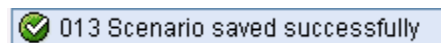
Number of Purchasing
Info record

Purchasing Info Reco


To change the scenario selection from DE to US, delete the country selection criteria DE and either type in US or select US from the drop down list for Country.

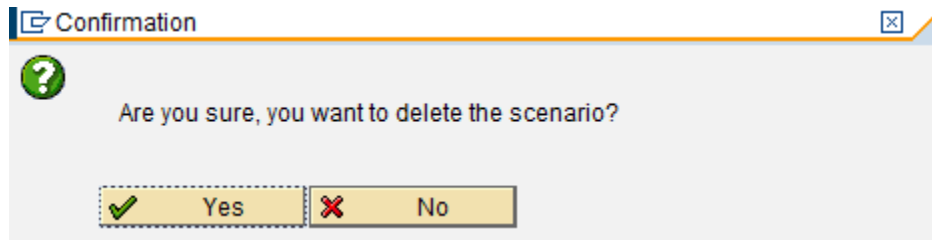


Once the user presses the Execute button, the scenario is saved and the user will be taken back to the Gold Client BW Export Screen. A message will appear on the bottom of the screen informing the user that the scenario (#) that was being edited has been saved with new/updated selection criteria.

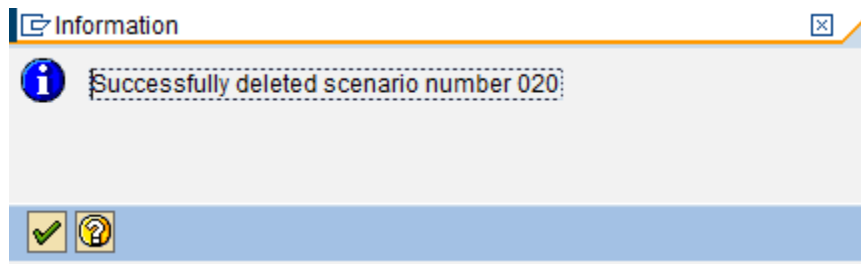


Deleting a Scenario

The Delete Scenario button will delete an existing scenario.  Delete
A message will appear as a pop-up on the screen asking for confirmation.



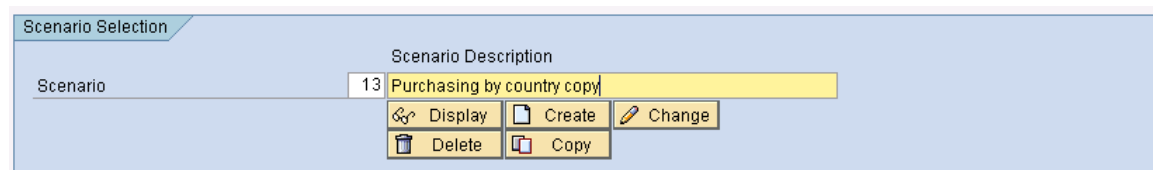
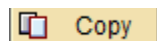
Pressing Yes will confirm and the scenario will be deleted. Another pop-up box will inform user that the scenario has been successfully deleted.



Once a scenario is deleted, it is not possible to recover the information stored for the scenario. The user will have to recreate the scenario.

Copying a Scenario

The Copy scenario button will function as a Copy As. The existing scenario can be copied over to a new scenario by pressing this button and entering a description.



Importing Transaction Data

Import Data controls the import of data into a target client. As most of the data controls exist on the export side, the import functions are designed to import data from the Gold Client BW data files.

Important Considerations before Importing

Gold Client BW supports moving data from Standard InfoCubes and DSO's.

Reporting

Once data is successfully imported for InfoProviders, the data will be available for reporting. Queries/Reports built on these InfoProviders will reflect the newly loaded data.

SID's

When importing transaction data, if the associated master data values do not exist in the importing system, Gold Client BW will generate new SID's. If the records are already present, the SID's will not be overwritten. In this way, Gold Client BW will not impact master data already existing in the importing systems.

Requests

Data is loaded to InfoProviders via Requests. These requests can be deleted and reconstructed/inserted.

Impact on Post-Processing and Loading

The following have been evaluated and determined not to be impacted adversely after running the Import Program:

- Delta loads from SAP R/3, ECC
- Compression of InfoCubes
- Aggregates
- BI Accelerator

DSO Data Loads Activation

When importing data to a DSO, if the DSO settings are set to not activate data automatically, Gold Client BW will schedule the activation of the data.

Data Flow Structures When importing data, Gold Client BW will automatically create relevant data flow structures such as InfoPackage, Transformations, DTP, DataSource, InfoSource, Update Rules, etc. for source system ZGOLD. These are readily identifiable as belonging to ZGOLD for they contain ZAU* in their names. Ensure that these are not collected in a transport and sent to upstream systems.

The technical names of Data flow structures will contain:

- Master data Attributes will contain ZAUA*
- Master data Texts will contain ZAUT*
- Transaction data InfoCubes will contain ZAUC*
- Transaction data DSO will contain ZAUO*

The generation of the data flow structures is controlled by the setting `ALLOW_REGENERATE_DF_COMPONENTS` available in the "Miscellaneous Configuration" utility. By default, Gold Client BW will automatically create relevant data flow for source system ZGOLD each time an import is run. This is to ensure that all data flow components are active and compatible with the data being loaded.

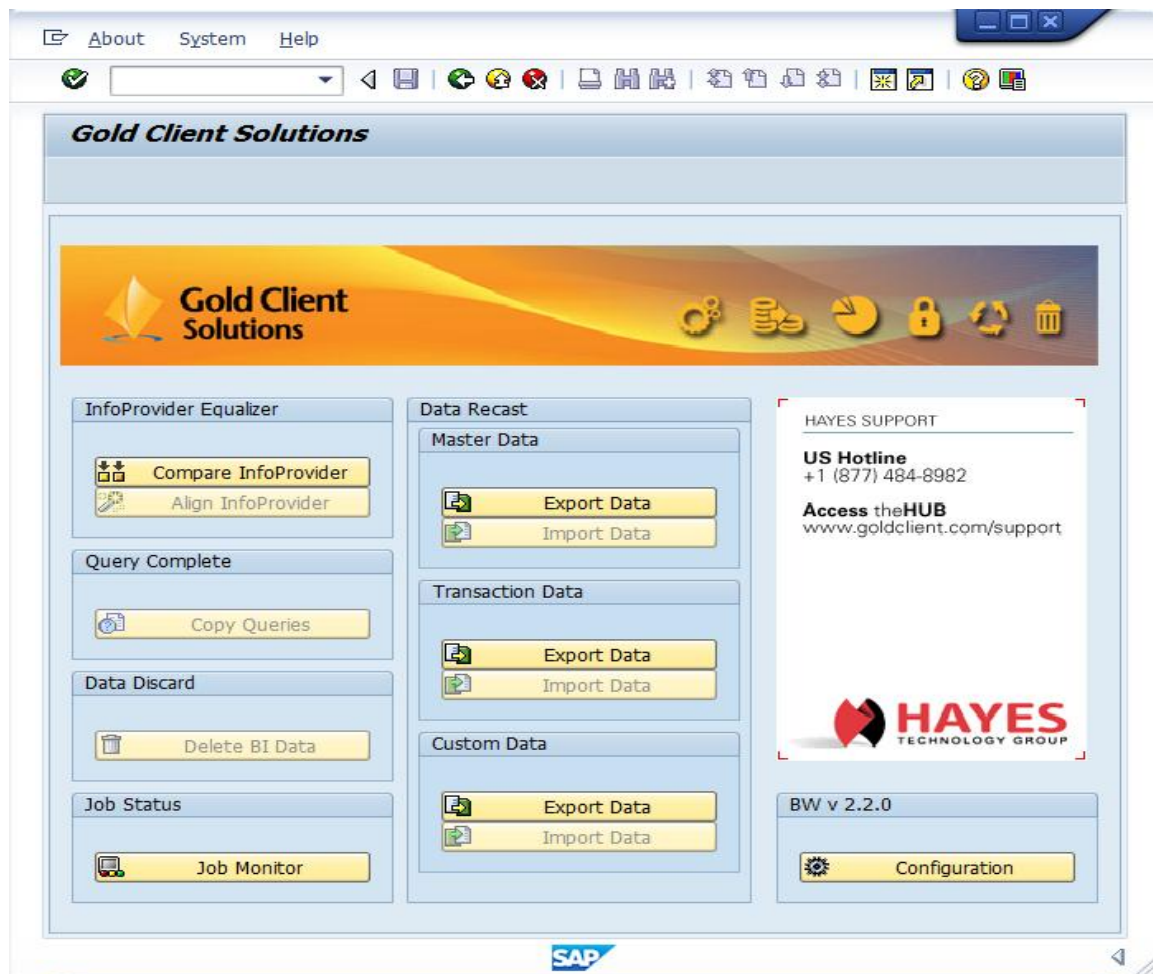
Transport Settings

In most SAP BW installations, the transport organizer settings for transports are set to Standard off. If this is the case, there is no impact on the settings by using Gold Client BW. In the rare case the transport settings are set to Standard, Gold Client BW will reset this during the import process and will set it back to its original value once the data loads are complete.

Production System Safeguards

The Import Data options will not be available in your production system so there is no risk of importing into production. This is possible because the license key is built for the customer using their production system ID. When logged into that production system, Gold Client BW functionality disallows the Import Data buttons on ZGOLDBW transaction. (Fig. 10.0)

Figure 10.0



Selecting Data for Import

The import can be executed by each individual file, or with a range of files. There is no limit to the number of files imported at one time.

The user can optionally search for the export file(s) by filtering on file creation date or by the user who ran the export.

Figure 10.1

Transaction Data Import

Execute

Processing Options

Summary Report Only

Import in Foreground

Import in Background (as a Job)

Select Gold Client Files

Selection Filter

File creation date to

User who ran Export to

Only Show Passport Files

Select files for Import Select Files to Delete

Gold Client Files to Import

Default File Path

Filename(s)

Number of files to process

Import Processing Options

There are three options under Processing Options:

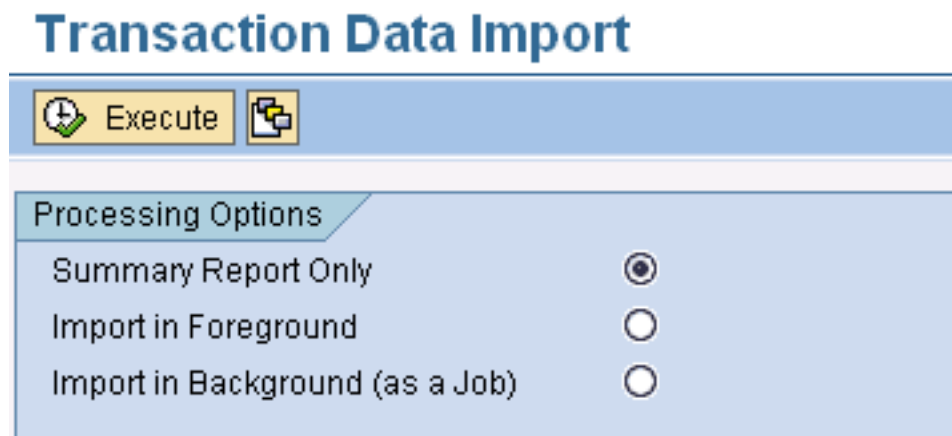
- Summary Report Only
- Import in Foreground
- Import in Background (as a Job)

Import Summary Report

The import function of Gold Client BW contains a report to show details of the import before the actual import process runs. Tables, count, size and total size of the actual import will be shown.

On the Import screen (Fig. 10.2), select Summary Report Only and also select files ready for import. This option is chosen by default.

Figure 10.2



Upon execution, a report detailing the tables, record count, size, physical file path, etc. appears (Fig. 10.3). Remember, this is only a report and is not the same as the actual import.

Figure 10.3

Transaction Data Import Report Summary

Gold Client BW Summary Report					
Table Name	Rec Ct	Tab Width	No. of bytes	InfoProvider	Physical file path
	123,320		47,354,880		
/BI0/F0PUR_C01	123,320	384	47,354,880	0PUR_C01	/sapbackup/BW_GOLD_EXPORT/B-W-CUBE_0PUR_C01__BIU_800.201

Import in Foreground

Some planning is necessary before executing the import. As with all BW load processes, it is recommended to load Master data first before loading Transaction data for improved loading performance. For large data loads, it is strongly recommended to run the Gold Client BW Import program in the background.

Ensure that adequate communication between the business teams occurs before importing data into a target client already containing data.

Figure 10.4

Processing Options

Simulation Report Only

Import in Foreground

Import in Background (as a Job)

When ready to import, select *Import in Foreground* (Fig. 10.4). The import of the Gold Client BW files will then occur in the foreground and update the database. It is important to note that the user's dialog session will be tied up until the import is complete so for large amounts of data, executing the import in the background may be preferable.

A sample import report is represented in the following image:

Figure 10.5
Transaction Data Import Report (Foreground)

InfoProvider	Obj. Type	Rec. Count	No. of bytes	File Name
0PUR_C01	CUBE	108.596	153.989.128	/sapbackup/BW_GOLD_EXPORT/BLD_T_SSHAIKH_FileId_BIU_800.20091124.111401


The report shows all the InfoProviders that received data and how many records were imported for each.

Import in Background (as a Job)

For importing large amounts of data, it is best to run the import in the background. If the user chooses **Import in Background (as a Job)** (Fig. 10.6), a job name must be specified. This can be anything. It will be needed when monitoring the job in SM37 or with the Job Monitor option on ZGOLDBW.

Figure 10.6

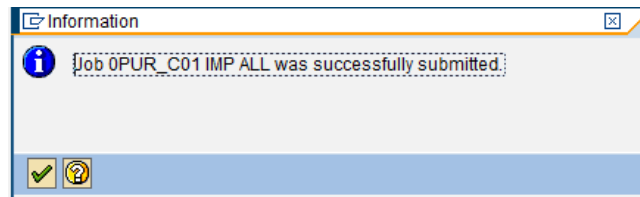
Transaction Data Import

Execute 

Processing Options

Summary Report Only	<input type="radio"/>	
Import in Foreground	<input type="radio"/>	Enter Job Name
Import in Background (as a Job)	<input checked="" type="radio"/>	<input type="text" value="0PUR_C01 IMP ALL"/>

Upon pressing **Execute**, the job will be submitted in the background and a pop-up box informing the user of the same will appear on the screen.



Pressing the **Enter** button will take the user to the previous screen.

Monitoring the job can be done in SM37 or from the Job Monitor button.

Figure 10.7

Job Log Entries for 0PUR_C01 IMP ALL / 13582600

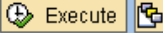

Job Log overview for job: 0PUR_C01 IMP ALL / 13582600

Date	Time	Message text	Message class	Message r
10/14/2010	13:58:26	Job started	00	516
10/14/2010	13:58:26	Step 001 started (program /HTG/BIW_IMP_P_01, variant &0000000000025, user ID SSHAIKH)	00	550
10/14/2010	13:58:26	***** START - Transaction Data Import *****	/HTG/BIW	005
10/14/2010	13:58:26		/HTG/BIW	010
10/14/2010	13:58:26	IMPORT Number of Files [1]	/HTG/GC	091
10/14/2010	13:58:26	IMPORT Re-generate Data Flow Components [X]	/HTG/BIW	086
10/14/2010	13:58:26		/HTG/BIW	086
10/14/2010	13:58:26	==> Processing : 1 of 1 File(S)	/HTG/GC	091
10/14/2010	13:58:26	***** START ** Import InfoProvider : << 0PUR_C01 >>	/HTG/BIW	022
10/14/2010	13:58:26		/HTG/BW	100

In addition, Passport files can be isolated to locate export files that were run together as part of an Export Job. Check the Only Show Passport Files box (Fig. 10.7), and then .

Figure 10.7

Transaction Data Import

 Execute 

Processing Options


Summary Report Only


Import in Foreground

Import in Background (as a Job)

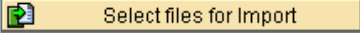

Select Gold Client Files

Selection Filter

File creation date to 


User who ran Export to 

Only Show Passport Files

 Select files for Import  Select Files to Delete

Gold Client Files to Import

Default File Path

Filename(s) 

Number of files to process

Figure 10.8 shows a list of export files available for import. The Passport files help isolate those files which were included with a given Export. The font for Passport files is blue and the naming convention of the file is as follows:

(B-W- Type of data (CUBE for InfoCube data, ODSO for DSO data), Source SID_Source Client_Date.Time)

Figure 10.8

Filename	Datatype	Coll.Ct	Username
B-W-PASS_SSHAIKH____BIU_800.20100524.120255	Transaction Data		SSHAIKH
B-W-CUBE_0SD_C03__BIU_800.20100524.120258	BIW_T_0SD_C03	1172265	SSHAIKH
B-W-PASS_SSHAIKH____BIU_800.20100524.120030	Transaction Data		SSHAIKH
B-W-CUBE_0PUR_C01__BIU_800.20100524.120034	BIW_T_0PUR_C01	158410	SSHAIKH
B-W-PASS_SSHAIKH____BIU_800.20100524.111538	Transaction Data		SSHAIKH
B-W-ODSO_0PP_001__BIU_800.20100524.111540	BIW_T_0PP_001	1171	SSHAIKH
B-W-PASS_SSHAIKH____BIU_800.20100524.111530	Transaction Data		SSHAIKH
B-W-ODSO_0PP_001__BIU_800.20100524.111531	BIW_T_0PP_001	1171	SSHAIKH
B-W-PASS_SSHAIKH____BIU_800.20100521.174121	Transaction Data		SSHAIKH
B-W-CUBE_0PUR_C01__BIU_800.20100521.174123	BIW_T_0PUR_C01	42739	SSHAIKH
B-W-PASS_SSHAIKH____BIU_800.20100521.173608	Transaction Data		SSHAIKH
B-W-ODSO_0PP_001__BIU_800.20100521.173609	BIW_T_0PP_001	1171	SSHAIKH

Accept selections

The Data Type and Record Count are shown alongside the file to help isolate files for import. Once the files are selected, choose the Accept Selections button.

Export File Maintenance

Within the Import Data functions, there is an option to delete old export files not being used.


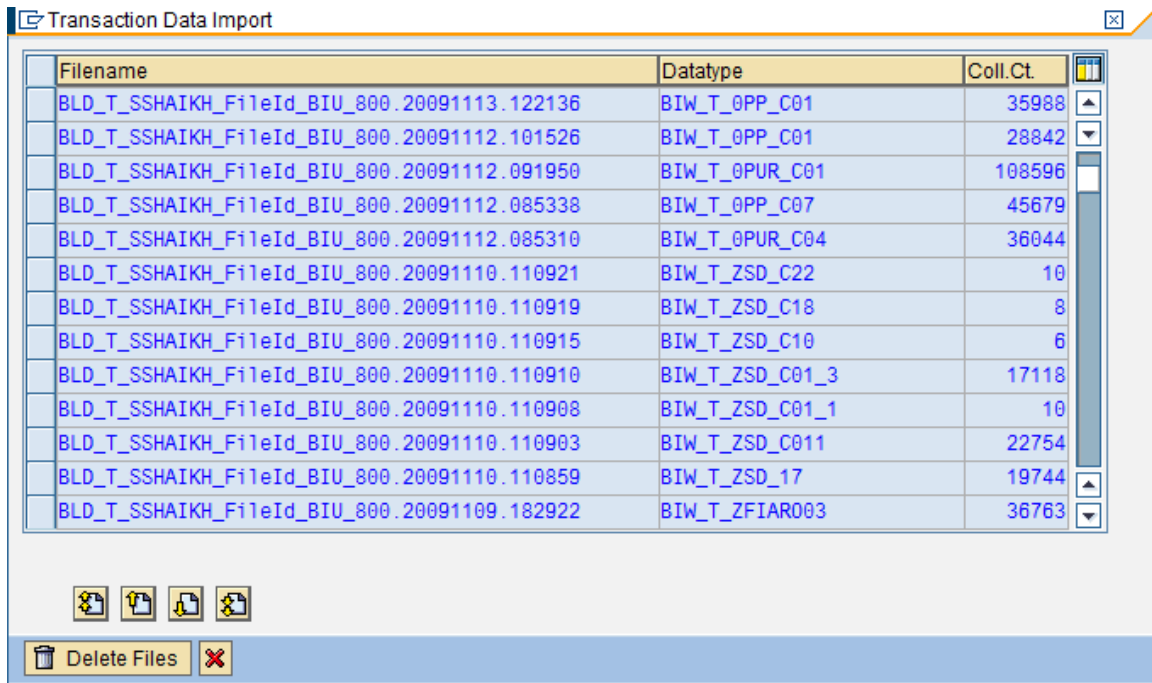
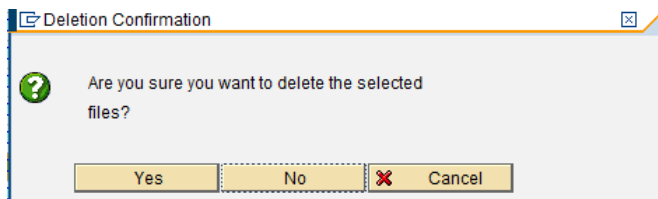
- Choose  from within the Import Data.

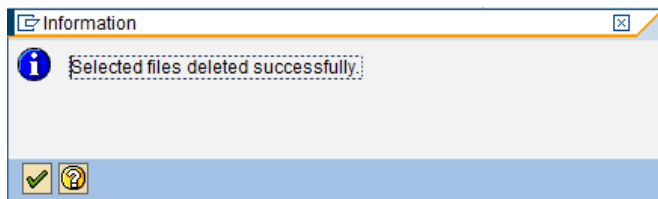
Figure 11.0



A pop up box to notify the user and asking for confirmation of deletion process will appear. Strike the 'Enter' key to will confirm deletion.



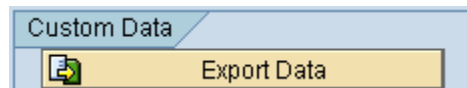
Pressing enter will delete the files and a pop-up box notifying the user will appear on the screen. Pressing Enter will take user to previous screen.



Custom Data (Data Recast)

Exporting Custom Data

To display the Custom Data Export selection screen for exporting Custom Data, click the Export Data button in the Custom Data section.



The Custom Data Export selection screen provides the options and selections for exporting custom data belonging to Z-tables.

Figure 11.1

 A screenshot of the 'Custom Data Export' selection screen. The screen has a blue header with the title 'Custom Data Export' and an 'Execute' button. Below the header are three sections: 'Processing Options' with radio buttons for 'Summary Report' (selected), 'Export in Foreground', and 'Export in Background (as a Job)'; 'Data Selection Mode' with radio buttons for 'All Custom Data' (selected) and 'Subset Custom Data'; and 'Custom Table Selection' with a 'Table Name' label, a yellow input field, a lock icon, and a search icon.

NOTE: Custom Table Configuration Utility found under the Utilities button will need to be executed before Custom Data Table exports can occur. Only those entries which are included in this table will be shown in the F4 list of Custom data export. It is not possible to export data for any custom table which does not have a corresponding entry in this utility table and is marked as not ACTIVE.

Data selection

The user has two options to select export of custom data.

Figure 11.2

Custom Data Export

Execute

Processing Options

Summary Report

Export in Foreground

Export in Background (as a Job)

Data Selection Mode

All Custom Data

Subset Custom Data

Custom Table Selection

Table Name

All Custom Data: This selection will enable the user to select all custom data belonging to Z-table(s). User can select one or multiple custom Z-table(s). The F4 list (dropdown) will list only those Z-tables that have been configured in the Custom Table Configuration utility.

Subset of Custom Data: This selection will enable the user to select a subset of custom data belonging to ONE Z-Table. Scenarios have to be created for a Z-table and then the Export job can be run

Export Processing Options

The user has three processing options:

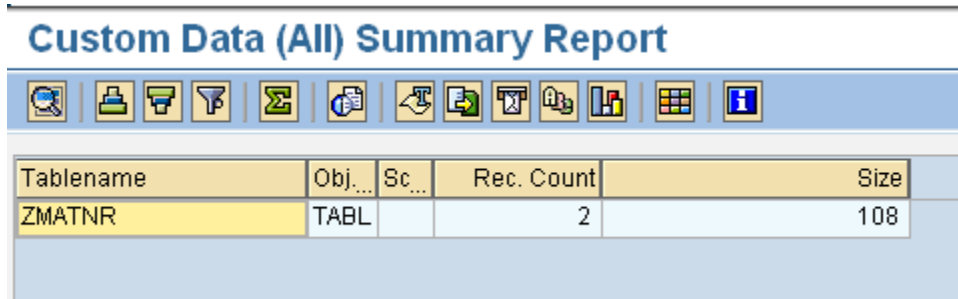
- Summary Report Only
- Export in Foreground
- Export in Background (as a Job)

Run Summary Report

When `Summary Report Only` is selected, a report details of the export (See 'Run Summary report' below). This is chosen by default.

Below is an example report for exporting 0PUR_C04 (InfoCube) in Summary Mode.

Figure 11.3



Tablename	Obj...	Sc...	Rec. Count	Size
ZMATNR	TABL		2	108

Details of Summary Report

- Table Name
- Type of Object (here, Table)
- Scenario number (if applicable)
- Number of records
- File size in bytes

Export in Foreground

Export in Foreground: Executes the export and creates data files in the foreground. If the user has a small selection of data to export, doing so in the foreground is acceptable. For large exports, it is recommended to run them in the background (see below).

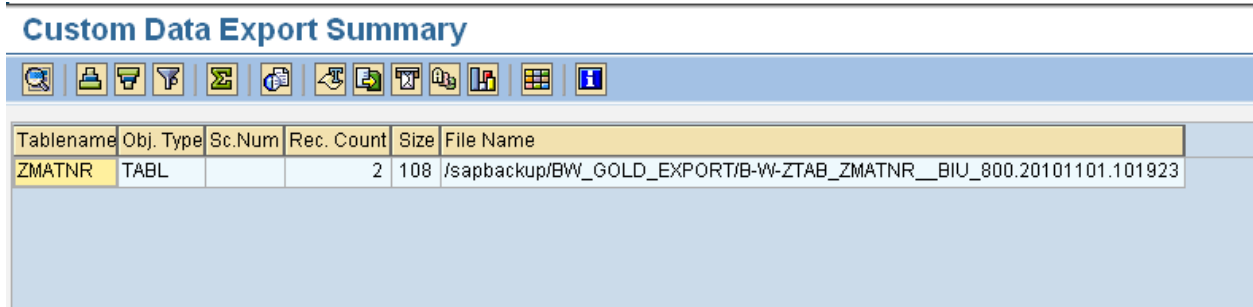
Figure 11.4

The screenshot displays the 'Custom Data Export' interface. At the top, there is a blue header bar with an 'Execute' button. Below this, the interface is divided into three main sections:

- Processing Options:** Contains three radio button options: 'Summary Report' (unselected), 'Export in Foreground' (selected and highlighted with a dashed border), and 'Export in Background (as a Job)' (unselected).
- Data Selection Mode:** Contains two radio button options: 'All Custom Data' (selected) and 'Subset Custom Data' (unselected).
- Custom Table Selection:** Features a 'Table Name' label, a text input field containing 'ZMATNR', the word 'to', another empty text input field, and a yellow arrow button.

After selecting the Export in Foreground option and pressing execute, the job will be started in the foreground. On completion of the job, the following message will be displayed.

Figure 11.5



The screenshot shows a window titled "Custom Data Export Summary". Below the title bar is a toolbar with various icons. The main area contains a table with the following data:

Tablename	Obj. Type	Sc.Num	Rec. Count	Size	File Name
ZMATNR	TABL		2	108	/sapbackup/BW_GOLD_EXPORT/B-W-ZTAB_ZMATNR__BIU_800.20101101.101923

This contains information about:

- Table Name
- Type of Object (here, Table)
- Scenario number (if applicable)
- Number of records
- File size in bytes
- File name

Export in Background

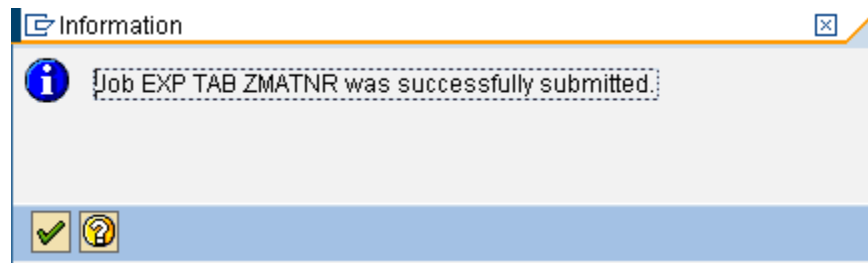
Export in Background (as a Job): Executes the export and creates data files in the background under a job name the user defines. It is recommended to execute an export as a background job when there are many records involved.

Figure 11.6

The screenshot shows the 'Custom Data Export' window. At the top left is an 'Execute' button with a play icon. Below it are three sections:

- Processing Options:** Three radio buttons are present. 'Export in Background (as a Job)' is selected. To its right is a text input field labeled 'Enter Job Name' containing the text 'EXP TAB ZMATNR'.
- Data Selection Mode:** Two radio buttons are present. 'All Custom Data' is selected.
- Custom Table Selection:** A 'Table Name' input field contains 'ZMATNR', followed by a 'to' label and an empty input field. A right-pointing arrow button is to the right of the second field.

Once the background job name is entered and the user presses the Execute button, a pop-up box will appear on the screen informing the user that the job has been successfully submitted. Pressing ENTER will take the user to the previous screen.



This job can be monitored via SM37 or by going to the Gold Client BW main screen and pressing the Job Monitor icon.

Figure 11.7

Job Log Entries for EXP TAB ZMATNR / 10204700

Long text Previous Page Next page

Job log overview for job: EXP TAB ZMATNR / 10204700

Date	Time	Message text	Message class	Message no.	Message type
11/01/2010	10:20:48	Job started	00	516	S
11/01/2010	10:20:48	Step 001 started (program /HT6/BIW_EXP_P_03, variant &0000000000028, user ID SSHAIKH)	00	550	S
11/01/2010	10:20:48	***** START - Custom Data Export *****	/HT6/BIW	055	S
11/01/2010	10:20:48		/HT6/GC	091	S
11/01/2010	10:20:48	EXPORT All Custom Data [X]	/HT6/BIW	080	S
11/01/2010	10:20:48	EXPORT Number of Tables [1]	/HT6/BIW	080	S
11/01/2010	10:20:48		/HT6/GC	091	S
11/01/2010	10:20:48	***** START ** Export Table [1]: << ZMATNR >>	/HT6/BIW	058	S
11/01/2010	10:20:49	====> Records compressed and written to file [2]	/HT6/BIW	083	S
11/01/2010	10:20:49	====> TOTAL NUMBER OF RECORDS PROCESSED -> [2]	/HT6/BIW	015	S
11/01/2010	10:20:49	***** END ** Export Table : << ZMATNR >>	/HT6/BIW	059	S
11/01/2010	10:20:49		/HT6/BIW	005	S
11/01/2010	10:20:49	**PASS** File Name: B-W-PASS_SSHAIKH____BIU_800.20101101.102049	/HT6/BIW	025	S
11/01/2010	10:20:49	***** END - Custom Data Export *****	/HT6/BIW	056	S
11/01/2010	10:20:49	Spool request (number 0000029051) created without immediate output	SY	355	S
11/01/2010	10:20:49	Job finished	00	517	S

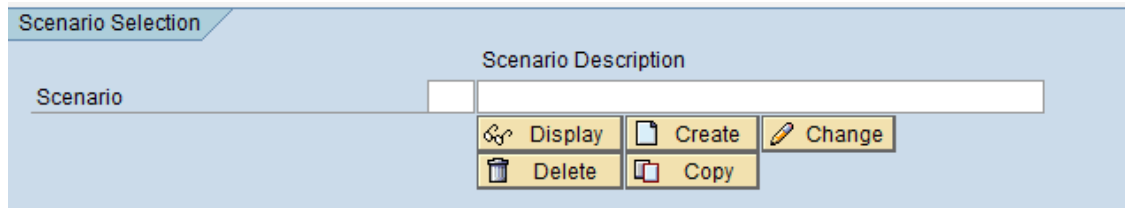
The job log contains information such as the number of tables being exported, the date and time of the job submission, user who submitted the job, the number of records being exported and the file name.

Selection Scenarios for Custom Data

Scenarios are a core component for exporting subsets of data as they control which data is targeted for export.

Scenarios can be built for master data, transaction data or for custom data. This section details how a scenario can be built, copied, changed or deleted for custom data.

Figure 11.8



Scenarios are reusable. Once created, they can be accessed by multiple users who have access to Gold Client.

Scenarios will fetch the latest information available in the target Z-table. Hence, once the scenarios are created, it is not required to update/modify the scenarios to fetch the latest information.

Creating a Scenario

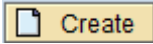
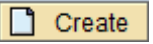
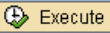
- Select the `Custom Data Export` button.
- Choose `Subset Custom Data`
- Choose a Z-table and press `Enter` NOTE: Scenarios can be built for only one Z-table at a time.
- Enter a description in the `Scenario Description` box and Select  and a new Scenario will be created.
- A pop-up box will be displayed which contains the `Scenario Description` entered. The user can also enter in a description here if one was not provided before pressing the  button.

Figure 11.9

Custom Data Export



Processing Options

Summary Report

Export in Foreground

Export in Background (as a Job)

Data Selection Mode

All Custom Data




Subset Custom Data



Custom Table Selection

Table Name Zee Material table

Scenario Selection

Scenario Number Scenario Description

 Display
 Create
 Change

 Delete
 Copy

- The next screen will present a list of all fields belonging to Z-table.

Next, construct the Scenario by selecting/entering relevant entries. (in this case, since we want to subset the data by Material type, we select the appropriate entries)

Figure 11.10

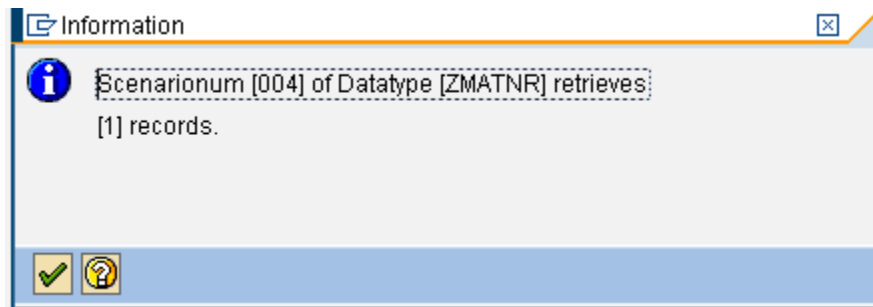
Create Subset Scenario - ZMATNR

Execute

Material	<input type="text"/>	to	<input type="text"/>	▶
Created On	<input type="text"/>	to	<input type="text"/>	▶
Created by	<input type="text"/>	to	<input type="text"/>	▶
Last Change	<input type="text"/>	to	<input type="text"/>	▶
Changed by	<input type="text"/>	to	<input type="text"/>	▶
Material type	<input type="text" value="HAWA"/>	to	<input type="text"/>	▶
Industry sector	<input type="text"/>	to	<input type="text"/>	▶
Material Group	<input type="text"/>	to	<input type="text"/>	▶

The scenario is saved by hitting the Execute button on top.

Once the scenario is saved, a pop-up box informs the user that the scenario created is saved, a scenario number has been assigned to it and displays the number of records that match the scenario criteria.



A list of available scenarios is visible to the user upon selecting the drop down for scenario number or pressing F4.

Figure 11.11

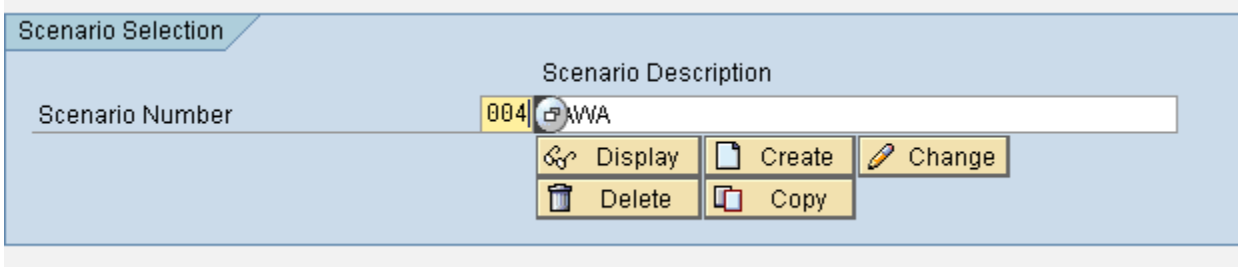
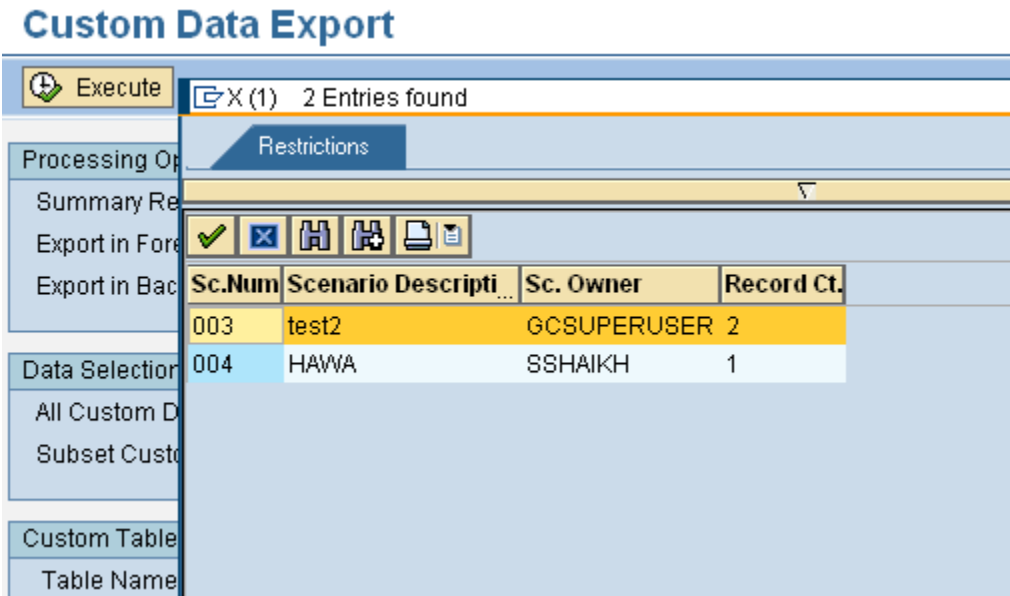


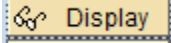
Figure 11.12



Once created, the scenarios can be displayed, changed, deleted or copied to another scenario by selecting the appropriate buttons

Displaying a Scenario

The Display scenario will display the values of the fields that were selected to create the scenario





When pressing Display, the scenario selection criteria will be displayed. No changes can be made in Display mode. Pressing the Back  button will take the user to the Gold Client BW Export screen.

Figure 11.13

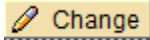
Create Subset Scenario - ZMATNR

 Execute

Material		to		▶
Created On		to		▶
Created by		to		▶
Last Change		to		▶
Changed by		to		▶
Material type	HAWA	to		▶
Industry sector		to		▶
Material Group		to		▶

Changing a Scenario

The Change scenario will enable the user to edit the existing scenario and save it.



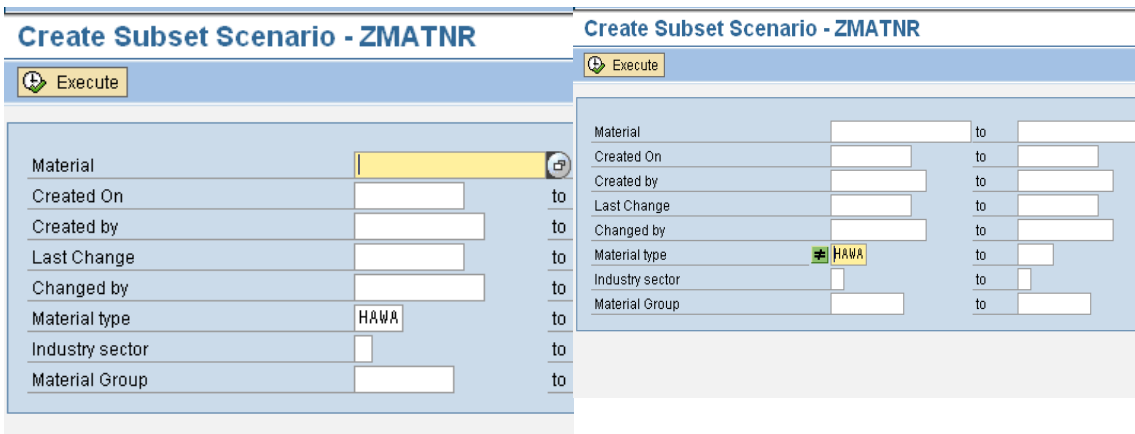
When pressing Change, the scenario selection criteria will be displayed in edit mode. Changes can be made now. Pressing the Back button will take the user to the Gold Client BW Export screen without saving the changes. Pressing the execute button will save the changes to the existing scenario.

Fig 9.7 shows the scenario selection criteria before the change. The scenario selection is based on material type.

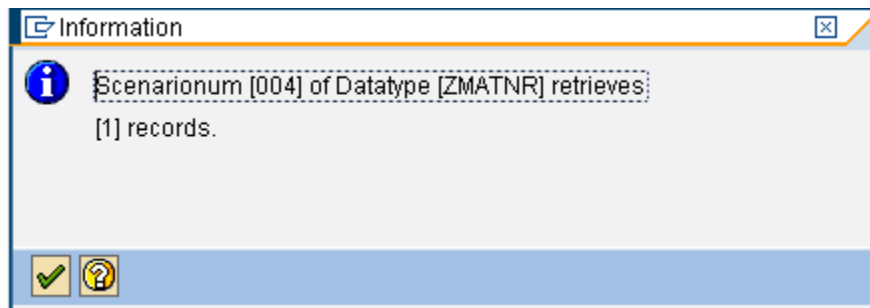
Figure 11.14

Before Change:

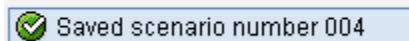
After Change:



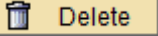
To change the scenario selection from Material type HAWA to not Equal to HAWA, select Not Equal to by double clicking on Material type entry box,

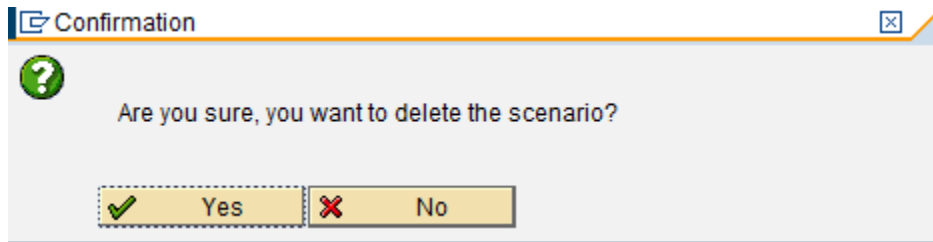


Once the user presses the Execute button, the scenario is saved and the user will be taken back to the Gold Client BW Export Screen. A message will appear on the bottom of the screen informing the user that the scenario (#) that was being edited has been saved with new/updated selection criteria.

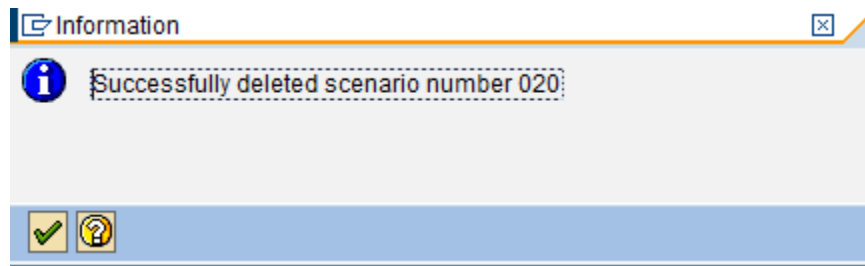


Deleting a Scenario

The Delete Scenario button will delete an existing scenario.  Delete
A message will appear as a pop-up on the screen asking for confirmation.



Pressing Yes will confirm and the scenario will be deleted. Another pop-up box will inform user that the scenario has been successfully deleted.



Once a scenario is deleted, it is not possible to recover the information stored for the scenario. The user will have to recreate the scenario.

Copying a Scenario

The Copy scenario button will function as a Copy As. The existing scenario can be copied over to a new scenario by pressing this button and entering a description.

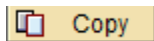
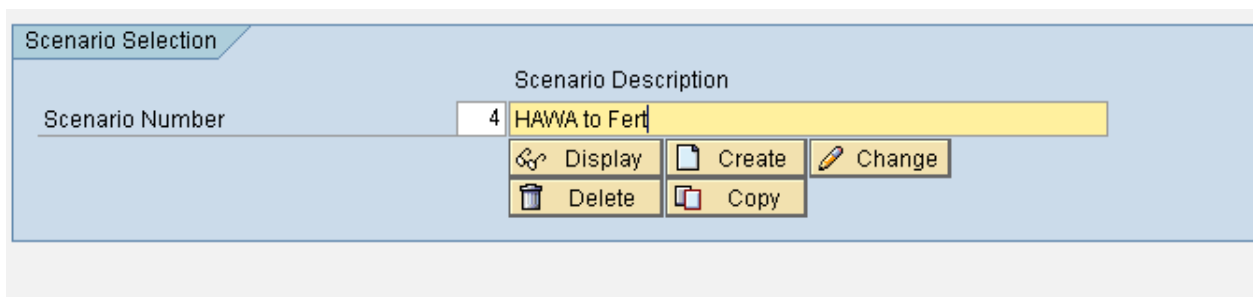


Figure 11.15



Importing Custom Data (Data Recast)

Import Data controls the import of data into a target client. As most of the data controls exist on the export side, the import functions are designed to import data from the Gold Client BW data files.

Important Considerations before Importing

Gold Client BW supports moving data from Z-Tables.

Reporting

Once data is successfully imported for Z-tables, the data will be available for reporting. Queries built on these Z-tables will reflect the newly loaded data.

Impact on Post-Processing and Loading

None

Data Flow Structures

No Data flow structures are created when importing data for Custom Tables

Production System Safeguards

The Import Data options will not be available in your production system so there is no risk of importing into production. This is possible because the license key is built for the customer using their production system ID. When logged into that production system, Gold Client BW functionality disallows the Import Data buttons on ZGOLDBW custom.

Figure 11.16



When importing Custom data, user has the option to run Conflicting Data report to see which data records with the same key are already existing in the import system. Depending on the user preference, the data records can be replaced (i.e. Gold Client will overwrite the existing data in the importing system table) or skipped (Gold Client will skip data records which are already existing in the importing system table).

Selecting Data for Import

The import can be executed by each individual file, or with a range of files. There is no limit to the number of files imported at one time.

The user can optionally search for the export file(s) by filtering on file creation date or by the user who ran the export.

Figure 11.17

Custom Data Import

Execute

Processing Options

Summary Report

Conflicting Data Report

Import in Foreground

Import in Background (as a Job)

Select Gold Client Files

Selection Filter

File creation date		to		to	
<input type="text"/>			<input type="text"/>		<input type="text"/>
User who ran Export	<input type="text"/>		<input type="text"/>		<input type="text"/>
<input type="checkbox"/> Only Show Passport Files					

Select files for Import
Select Files to Delete

Gold Client Files to Import

Default File Path

Filename(s)

Number of files to process

Import Processing Options

There are four options under Processing Options:

- Summary Report Only
- Conflicting Data Report
- Import in Foreground
- Import in Background (as a Job)

Import Summary Report

The import function of Gold Client BW contains a report to show details of the import before the actual import process runs. Tables, count, size and total size of the actual import will be shown.

On the Import screen (Fig. 11.18), select Summary Report Only and also select files ready for import. This option is chosen by default.

Figure 11.18



Upon execution, a report detailing the tables, record count, size, physical file path, etc. appears (Fig. 11.19). Remember, this is only a report and is not the same as the actual import.

Figure 11.19

Custom Data Import Report Summary

Gold Client BW Summary Report				
Table	Rec Ct	Tab Width	Size	Physical file path
	2		300	
ZMATNR	2	150	300	/sapbackup/BW_GOLD_EXPORT/B-W-ZTAB_ZMATNR__BIU_800.20101022.160534

Conflicting Data Report

Conflicting Data report allows the users to see which data records with the same key which are already existing in the import system. Depending on the user preference, the data records can be replaced (i.e. Gold Client will overwrite the existing data in the importing system table) or skipped (Gold Client will skip data records which are already existing in the importing system table).

This job can be run either in foreground or background.

To run the Job in foreground, uncheck the Run in Background option. Select the file for which the conflicting data report needs to be run.

Figure 11.20

The screenshot displays the 'Custom Data Import' interface. At the top, there is an 'Execute' button with a play icon. Below this, the 'Processing Options' section contains four radio buttons: 'Summary Report', 'Conflicting Data Report' (which is selected), 'Import in Foreground', and 'Import in Background (as a Job)'. To the right of these options is a checkbox labeled 'Run in Background' and a text input field labeled 'Enter Job Name'. The 'Select Gold Client Files' section includes a 'Selection Filter' with two rows: 'File creation date' set to '11/01/2010' and 'User who ran Export' with an empty field, each followed by a 'to' field and a selection arrow icon. There is also an unchecked checkbox for 'Only Show Passport Files'. Below the filter are two buttons: 'Select files for Import' and 'Select Files to Delete'. The 'Gold Client Files to Import' section at the bottom has three fields: 'Default File Path' set to '/sapbackup/BW_GOLD_EXPORT/', 'Filename(s)' set to 'B-W-ZTAB_ZMATNR_*.f' with a selection arrow icon, and 'Number of files to process' set to '1'.

Upon executing the report, the Conflicting data report screen will inform the user as to which records are already existing in the Z-table; the user has a choice to either replace or skip these records during the actual import process. A sample conflicting data report is shown below.

Figure 11.21

Tablename	Obj. Type	Rec. Count	Conflicting Data Key
ZMATNR	ZTAB	1	00000000000000000001
ZMATNR	ZTAB	1	00000000000000000002

For large number of files or large number of records, it is recommended that this job be run in the background.

Figure 11.22

Custom Data Import

Execute

Processing Options

Summary Report Enter Job Name

Conflicting Data Report Run in Background ZEE TAB CONF DATA

Import in Foreground

Import in Background (as a Job)

Select Gold Client Files

Selection Filter

File creation date 11/01/2010 to

User who ran Export to

Only Show Passport Files

Select files for Import Select Files to Delete

Gold Client Files to Import

Default File Path /sapbackup/BW_GOLD_EXPORT/

Filename(s) B-W-ZTAB_ZMATNR_

Number of files to process 1

On submission of job, this can be monitored via sm37. The spool for this job will list the Conflicting data records.

Replace or Skip Conflicting data

When ready to import, users can select `Import in Foreground` or `Background`. On choosing either of the two, users will have the option to either replace or skip Conflicting data.

Figure 11.23

The screenshot displays the 'Custom Data Import' window with the following sections and controls:

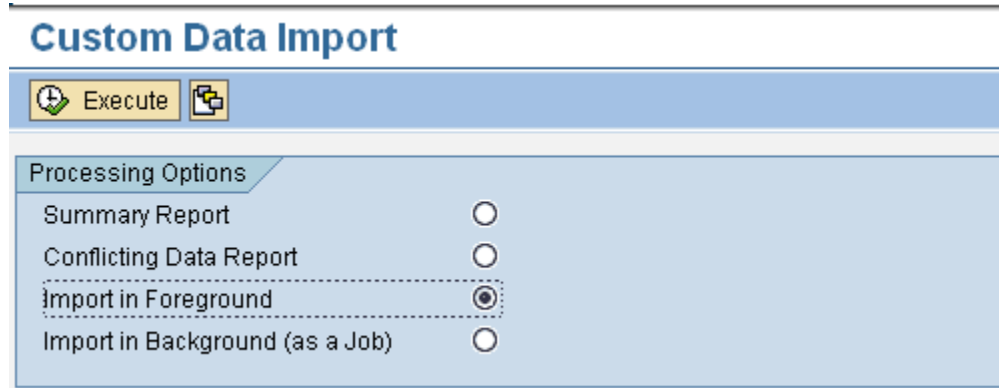
- Processing Options:**
 - Summary Report
 - Conflicting Data Report
 - Import in Foreground
 - Import in Background (as a Job)
- Select Gold Client Files:**
 - Selection Filter:
 - File creation date: 11/01/2010 to []
 - User who ran Export: [] to []
 - Only Show Passport Files
 - Buttons: Select files for Import, Select Files to Delete
- Gold Client Files to Import:**
 - Default File Path: /sapbackup/BW_GOLD_EXPORT/
 - Filename(s): B-W-ZTAB_ZMATNR_*
 - Number of files to process: 1
- Conflicting Data Options:**
 - Replace Conflicting Data
 - Skip Conflicting Data

The default option is to replace Conflicting data. If user does not want to overwrite existing data, user can select the Skip Conflicting data option.

Import in Foreground

When ready to import, select `Import in Foreground` (Fig. 11.24). The import of the Gold Client files will then occur in the foreground and update the database. It is important to note that the user's dialog session will be tied up until the import is complete so for large amounts of data, executing the import in the background may be preferable.

Figure 11.24



A sample import report is represented in the following image:

Figure 11.25
Custom Data Import Report (Foreground)

Tablename	Obj. Type	Rec. Count	Size	File Name
ZMATNR	ZTAB	2	300	/sapbackup/BW_GOLD_EXPORT/B-W-ZTAB_ZMATNR__BIU_800.20101022.160534

The report shows all the custom Z-tables that received data and how many records were imported for each.

Import in Background (as a Job)

For importing large amounts of data, it is best to run the import in the background. If the user chooses **Import in Background (as a Job)** (Fig. 11.26), a job name must be specified. This can be anything. It will be needed when monitoring the job in SM37 or with the Job Monitor option on ZGOLDBW.

Figure 11.26

Custom Data Import

Execute

Processing Options

Summary Report

Conflicting Data Report

Import in Foreground Enter Job Name

Import in Background (as a Job) **IMP TAB ZMATNR**

Select Gold Client Files

Selection Filter

File creation date 10/18/2010 to 10/23/2010

User who ran Export to

Only Show Passport Files

Select files for Import Select Files to Delete

Gold Client Files to Import

Default File Path /sapbackup/BW_GOLD_EXPORT/

Filename(s) B-W-ZTAB_ZMATNR_

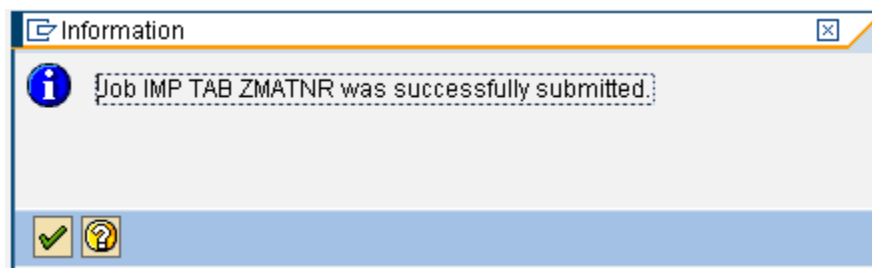
Number of files to process 1

Conflicting Data Options

Replace Conflicting Data

Skip Conflicting Data

Upon pressing **Execute**, the job will be submitted in the background and a pop-up box informing the user of the same will appear on the screen.



Pressing the **Enter** button will take the user to the previous screen.

Monitoring the job can be done in SM37 or from the Job Monitor button.

Figure 11.27

Job Log Entries for IMP TAB ZMATNR / 10393200


Job log overview for job: IMP TAB ZMATNR / 10393200

Date	Time	Message text	Message class	Message no.	Mess
11/01/2010	10:39:33	Job started	00	516	
11/01/2010	10:39:33	Step 001 started (program /HTG/BIW_IMP_P_03, variant &0000000000009, user ID SSHAIKH)	00	550	
11/01/2010	10:39:33	***** START - Custom Data Import *****	/HTG/BIW	005	
11/01/2010	10:39:33	IMPORT Number of Files [1]	/HTG/BIW	055	
11/01/2010	10:39:33	IMPORT Replace Conflicting Data [X]	/HTG/GC	091	
11/01/2010	10:39:33	IMPORT Skip Conflicting Data []	/HTG/BIW	086	
11/01/2010	10:39:33	====> Processing : 1 of 1 File(s)	/HTG/BIW	086	
11/01/2010	10:39:33	***** START ** Import Table [ZMATNR]	/HTG/GC	091	
11/01/2010	10:39:33	====> Reading compressed file data	/HTG/BIW	022	
11/01/2010	10:39:33	====> Records de-compressed and written to table [2]	/HTG/BIW	016	
11/01/2010	10:39:33	====> TOTAL NUMBER OF RECORDS PROCESSED -----> [2]	/HTG/BIW	090	
11/01/2010	10:39:36	***** END ** Import Table [ZMATNR]	/HTG/BIW	092	
11/01/2010	10:39:36	***** END - Custom Data Import *****	/HTG/BIW	015	
11/01/2010	10:39:36	Spool request (number 0000029052) created without immediate output	/HTG/BIW	018	
11/01/2010	10:39:36	Job finished	/HTG/BIW	005	
11/01/2010	10:39:36		/HTG/BIW	056	
11/01/2010	10:39:36		SY	355	
11/01/2010	10:39:36		00	517	

In addition, Passport files can be isolated to locate export files that were run together as part of an Export Job. Check the Only Show Passport Files box (Fig. 11.28), and then .

Figure 11.28

Custom Data Import

Execute 

Processing Options

Summary Report


Conflicting Data Report


Import in Foreground

Import in Background (as a Job)

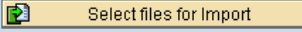
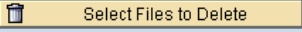
Select Gold Client Files

Selection Filter

File creation date to 


User who ran Export to 

Only Show Passport Files

Gold Client Files to Import

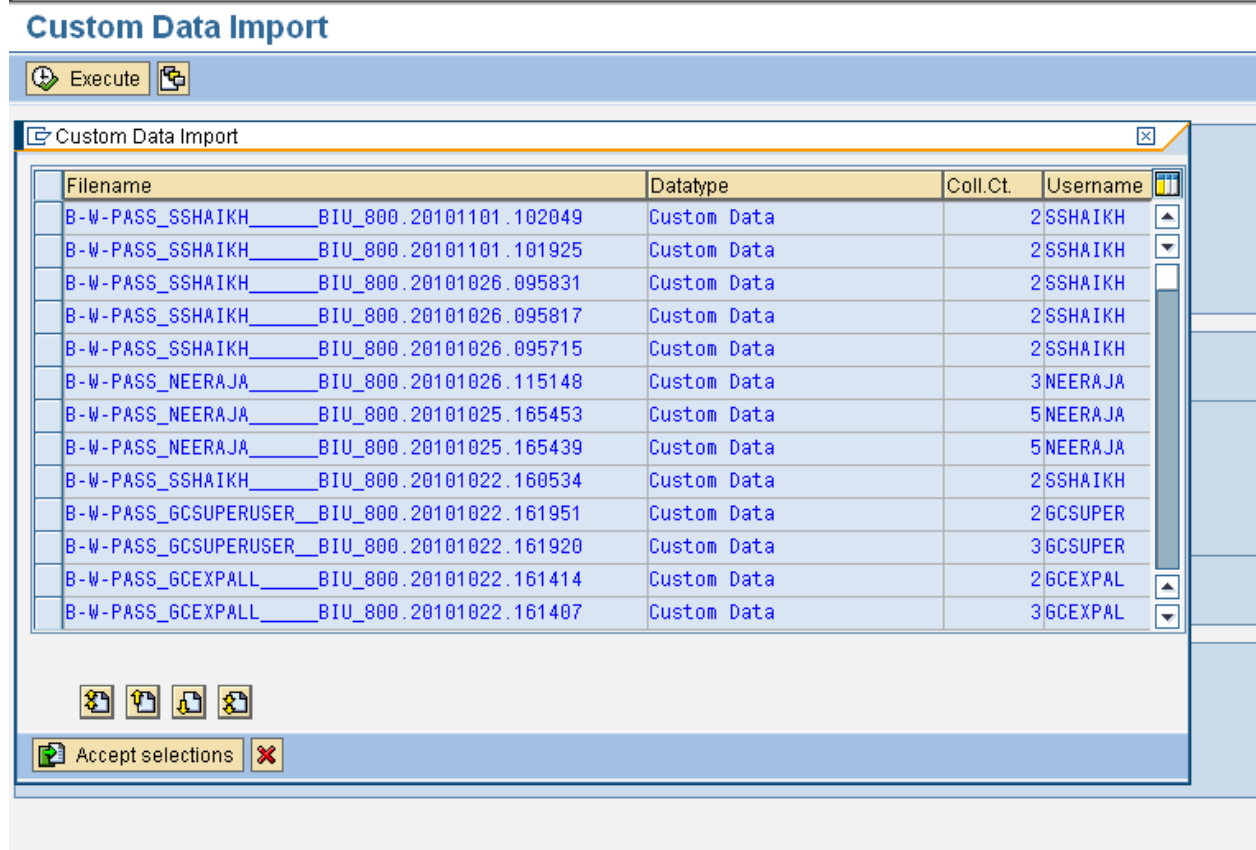
Default File Path

Filename(s) 

Number of files to process

Figure 11.29 shows a list of export files available for import. The Passport files help isolate those files which were included with a given Export. The font for Passport files is blue.

Figure 11.29



The Data Type and Record Count are shown alongside the file to help isolate files for import. Once the files are selected, choose the Accept Selections button.

The naming convention of the Custom data files is as:

(B-W- Type of data (ZTAB), Table name, Source SID_Source Client_Date.Time)

Figure 11.30

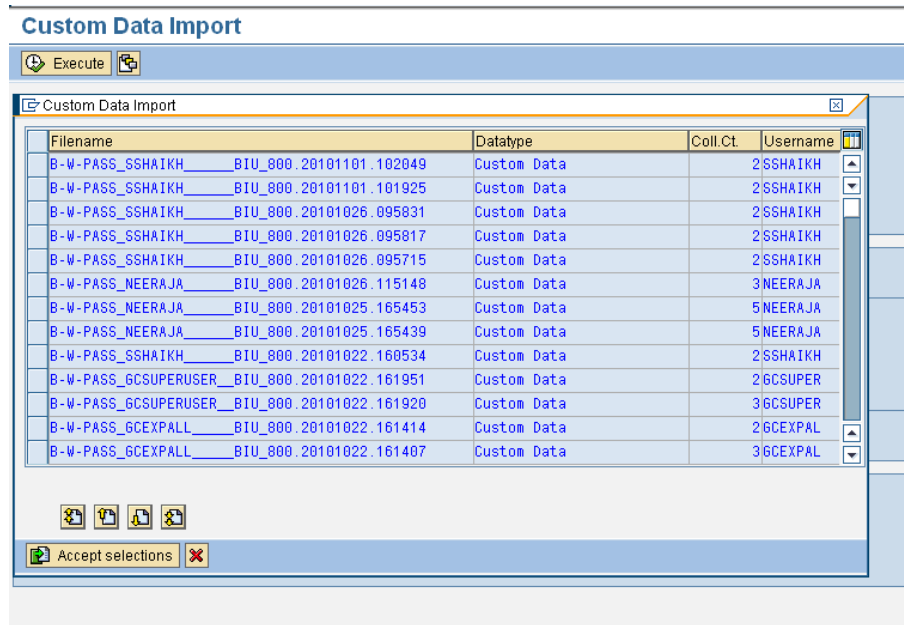
Filename	Datatype	Coll.Ct.	Username
B-W-PASS_SSHAIKH____BIU_800.20101101.102049	Custom Data		SSHAIKH
B-W-ZTAB_ZMATNR__BIU_800.20101101.102049	ZMATNR	2	SSHAIKH
B-W-PASS_SSHAIKH____BIU_800.20101101.101925	Custom Data		SSHAIKH
B-W-ZTAB_ZMATNR__BIU_800.20101101.101923	ZMATNR	2	SSHAIKH

Export File Maintenance

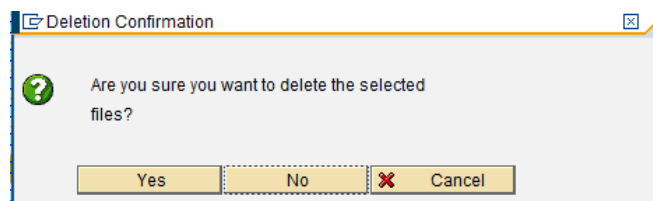
Within the Import Data functions, there is an option to delete old export files not being used.

- Choose  from within the Import Data.

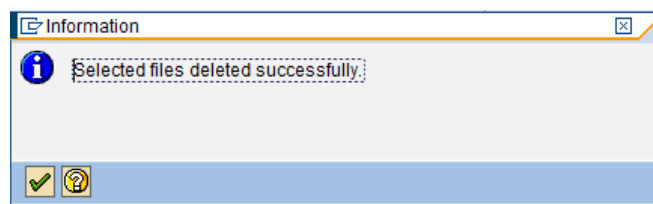
Figure 11.31



A pop up box to notify the user and asking for confirmation of deletion process will appear. Strike the 'Enter' key to will confirm deletion.



Pressing enter will delete the files and a pop-up box notifying the user will appear on the screen. Pressing Enter will take user to previous screen.



Compare InfoProvider (Equalizer)

Figure 12.3

Compare InfoProvider

Execute ?

InfoProvider Type

InfoObject
 InfoCube
 DataStore Object

InfoProvider Selection

InfoObject [] to [] →

Source Selection

Source System []

This function allows for comparison of InfoObjects, InfoCubes and DSO structures and properties between the current BW system and a target BW system.

Upon entering one or multiple InfoObjects, InfoCubes or DSO's, the function will compare the structure and properties of the same against the InfoObjects, InfoCubes and DSO's in the target system specified by the user.

Three examples are shown below:

1. Compare InfoProvider for InfoObjets
 - Select InfoObject in the InfoProvider type
 - Enter InfoObject(s) in the InfoProvider Selection
 - Enter the RFC destination of the BW system the InfoObject is being compared to
 - Press the Execute button

Figure 12.4

Compare InfoProvider

Execute ?

InfoProvider Type

InfoObject
 InfoCube
 DataStore Object

InfoProvider Selection

InfoObject to

Source Selection

Source System

A sample output report is shown below.

Figure 12.5

Compare InfoProvider

Compare InfoProvider 1

Info Provider ZMAT Comparison Report

Property Name	Source Value	Target Value
General Properties		
InfoObject is Export Data Source		X
Text Table Properties		
Short Texts Exist		X
Texts Are Time-Dependent		X
Hierarchy Properties		
Hierarchies Are Time Dependent		X
Attributes Properties		
Number of Attributes	82	77
Missing Attribute	OAF_STYLE	
Missing Attribute	OAP0_PROD	
Missing Attribute	OBASE_UOM	
Missing Attribute	OHC_ANESIND	
Missing Attribute	OHC_APPRTYP	
ORPA_WGH1 Conversion Routine	ALPHA	
ORPA_WGH2 Conversion Routine	ALPHA	
ORPA_WGH3 Conversion Routine	ALPHA	
ORPA_WGH4 Conversion Routine	ALPHA	

The compare InfoProvider function for InfoObjects will list:

• **General Properties**

Data Type

Conversion Routine

Length

Output Length

InfoObject is Export Data Source

• **Text Properties**

Short Texts Exist

Medium Texts Exist

Long Texts Exist

Texts Are Time-Dependent

Texts are Language Dependent

• **Hierarchy Properties**

Hierarchies Time Independent

Hierarchies Are Version Dependent

Hierarchies Structure Are Time Dependent

Hierarchies with Temporal Join

Hierarchies Intervals Permitted

Hierarchies Signs Permitted

• **Attribute Properties**

Number of Attributes

Display/Navigation Attributes

Missing/Extra Display/Navigation Attributes

• **Compounding Properties**

Number of Compounding Objects

Missing/Extra Compounding Object

2. Compare InfoProvider for InfoCubes

- Select InfoCube in the InfoProvider type
- Enter InfoObject(s) in the InfoCube Selection
- Enter the RFC destination of the BW system the InfoCube is being compared to
- Press the Execute button

The compare InfoProvider function for InfoCubes will list:

• **General Properties**

InfoCube type

• **InfoObject Properties**

Number of InfoObjects

Missing/Extra InfoObjects

• **Navigation Attribute Properties**

Number of Navigation Attributes

Missing/Extra Navigation Attributes

• **Dimension Properties**

Number of Dimensions

Change in InfoObjects in Dimensions

3. Compare InfoProvider for DSO

- Select DSO in the InfoProvider type

- Enter DSO(s) in the InfoProvider Selection
- Enter the RFC destination of the BW system the DSO is being compared to
- Press the Execute button

The compare InfoProvider function for DSO will list:

• **General Properties**

Type of DataStore Object

SID Generated

Set Quality Status to 'OK' Automatically

Activate DataStore Object Data Automatically

Update Data from DataStore Object Automatically

• **Key Field Properties**

Number of Key Fields

Missing/Extra InfoObjects

• **Data Field Properties**

Number of Data Fields

Missing/Extra InfoObjects

• **Navigation Attribute Properties**

Number of Navigation Attributes

Missing/Extra Navigation Attributes

Align InfoProvider (Equalizer)

This function will allow users to create or activate Info Providers.

PREREQUISITE: Ensure that the Source System is a valid RFC destination.

Figure 12.6

The screenshot shows the 'Align InfoProvider' transaction in SAP. The window title is 'Align InfoProvider'. At the top, there is a toolbar with various icons and an 'Execute' button. Below the toolbar, the main area is divided into several sections:

- Processing Options:** Contains two radio buttons. 'Create/Change in Foreground' is selected (indicated by a filled circle), and 'Create/Change in Background' is unselected (indicated by an empty circle).
- InfoProvider:** Contains three radio buttons. 'InfoObject' is selected (indicated by a filled circle), 'InfoCube' is unselected (indicated by an empty circle), and 'DataStore Object' is unselected (indicated by an empty circle).
- InfoProvider Selection:** Contains a text field with the value 'InfoObject' and a search icon (magnifying glass) to its right.
- Source Selection:** Contains a text field for 'Source System' which is currently empty.

To run this function

- Select InfoObject, InfoCube or DSO in the InfoProvider type
- Enter the names of InfoObject(s)/InfoCube(s) or DSO(s) in the InfoProvider Selection
- Enter the RFC destination of the BW system the InfoProviders should be copied from in the Source system
- Press the Execute button

If the selected objects are standard SAP delivered objects, then these will be activated in the current system.

If the selected objects are standard SAP delivered objects with changes (e.g. addition of InfoObjects to an InfoCube), the selected objects will be activated and changed as per their definition in the target system.

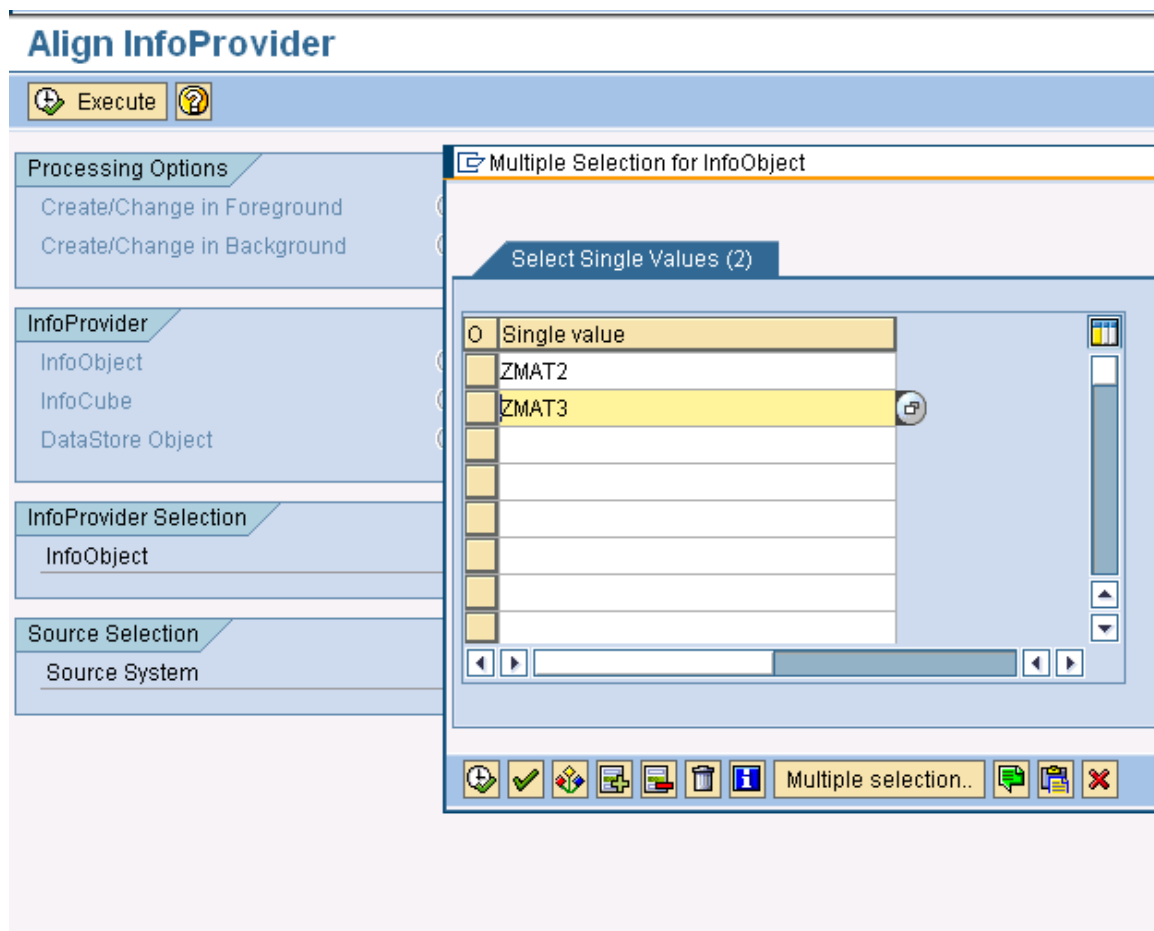
If the selected objects are custom developed, then these objects will be created and activated in the system based on the definition in the target system.

e.g. InfoObjects ZMAT2 and ZMAT3 do not exist in the current system.

Select InfoObject in InfoProvider type

Enter name of InfoObjects which need to be created. (Only one or multiple single values are allowed. These can be entered manually, copied from a clipboard or copied from a file)

Figure 12.7



Select Source RFC system from which the InfoObjects are being copied (in this case, it is BIU Barney)

Figure 12.8

Align InfoProvider

Execute ?

Processing Options

Create/Change in Foreground

Create/Change in Background


InfoProvider

InfoObject


InfoCube

DataStore Object

InfoProvider Selection

InfoObject ZMAT2 

Source Selection

Source System BIU (BARNEY) 

Press the Execute button.

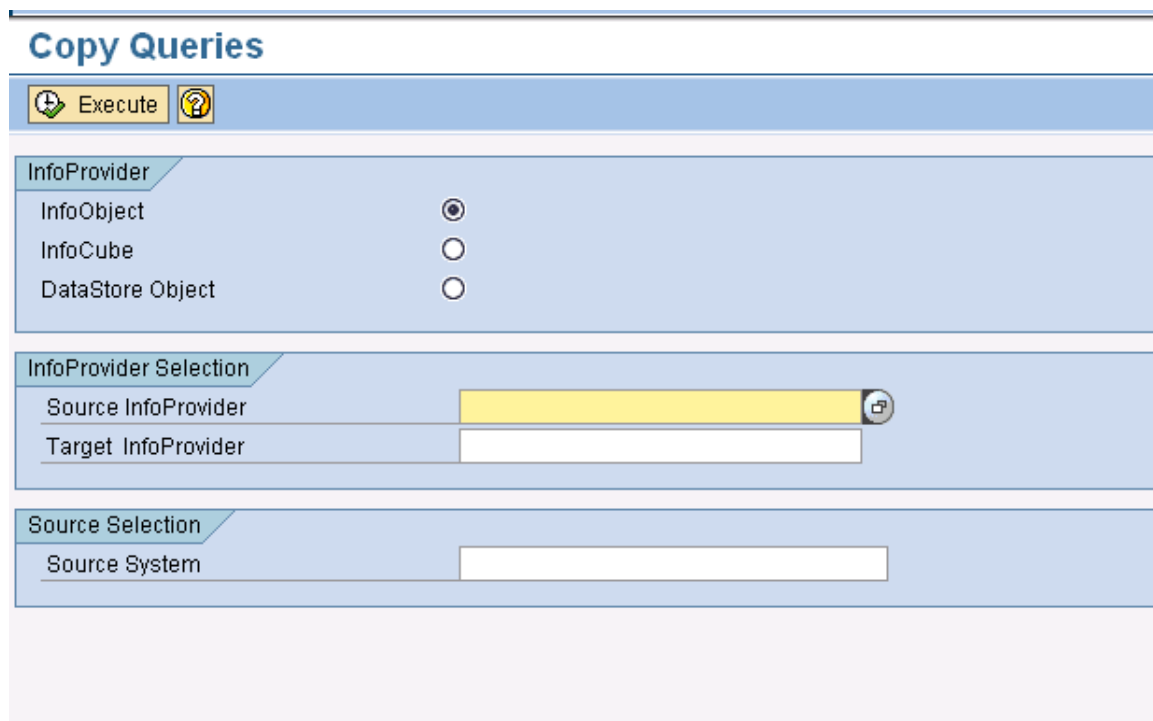
The selected InfoObjects will be created in the current system and a message will appear on the bottom of the screen stating that XXXX has been created in the current system.

Copy Queries (Query Complete)

The Copy Query Function allows user to copy queries from a remote destination (target) e.g. Production to the current system (e.g. Development, Training et al).

The Copy Query function will copy queries from source to target systems if they do not exist in the target system; if they do exist, user will be given option to rename the query in the target system. Standard Variables (SAP delivered) in the query, if not active in the target system, will be installed and activated. Remaining query components viz. most custom variables, selections, filters, CKF, RKF, Conditions, Exceptions, Structures, Cell Definitions etc will be copied.

Figure 12.9



Copy Queries

Execute ?

InfoProvider

InfoObject

InfoCube

DataStore Object

InfoProvider Selection

Source InfoProvider

Target InfoProvider

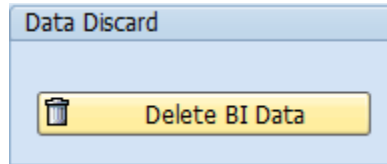
Source Selection

Source System

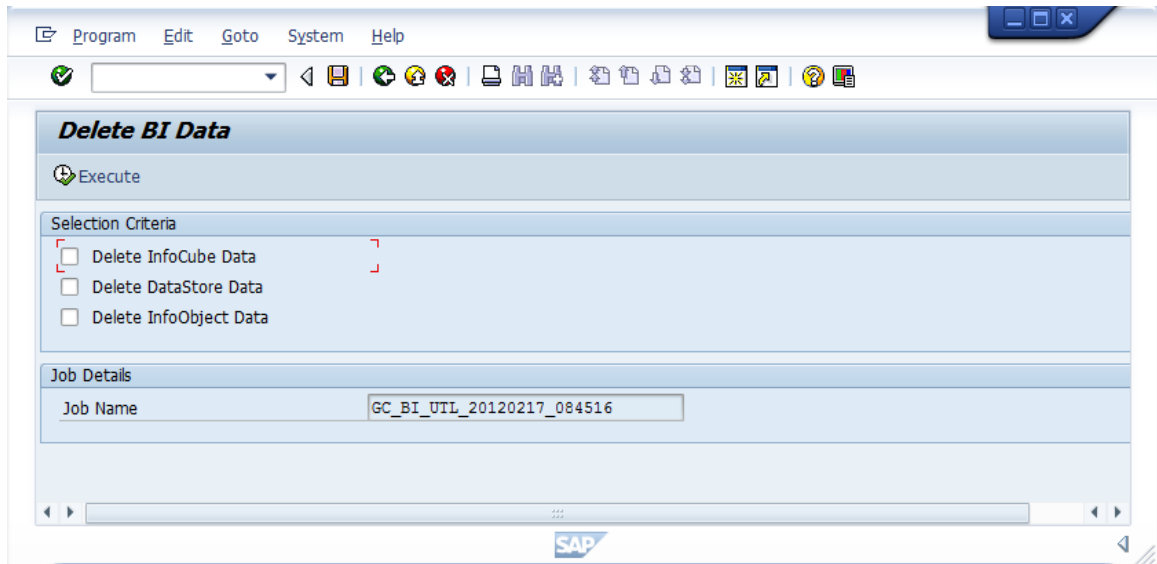
PREREQUISITE: Ensure that the Source System is a valid RFC destination.

Delete BI Data

The "Delete BI Data" is new functionality introduced in Gold Client Solutions for BW 2.1. This feature helps in dropping data from Transaction and Master data tables in BW.

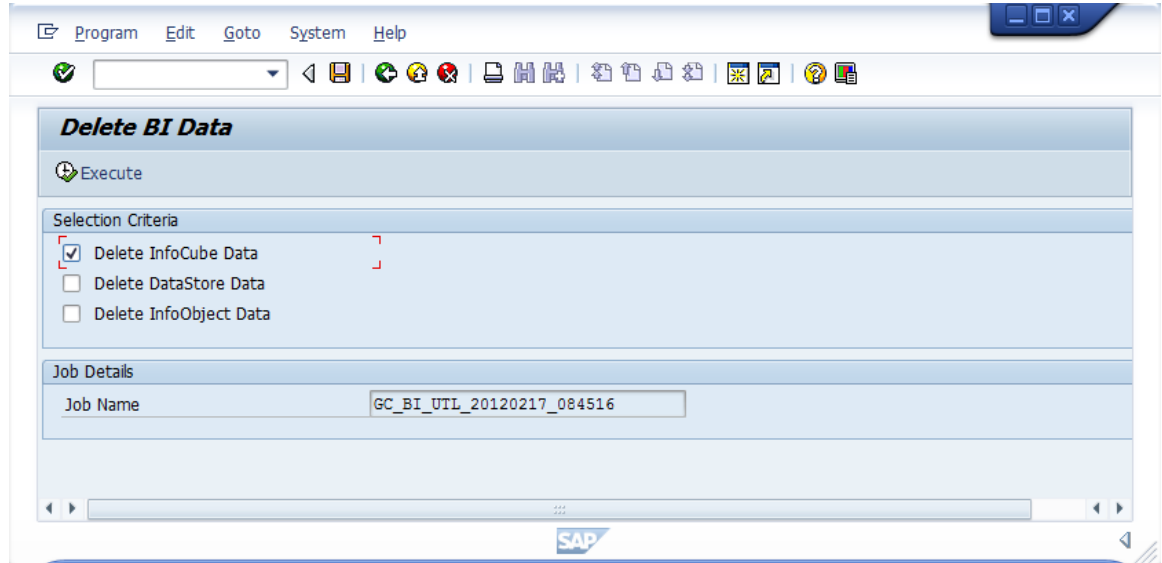


On entering this utility, the users will be presented the following screen;



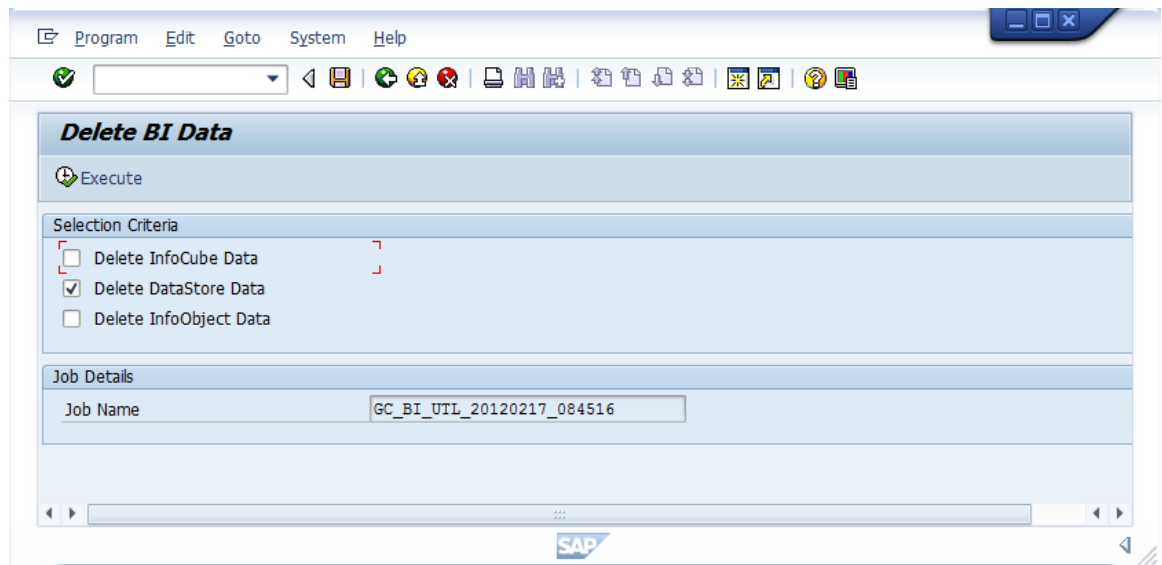
As a practice, the transaction data drop should precede the master data drop in BW. This will ensure that the data in the Info Object tables will be dropped cleanly as the dependency in the Transaction data (in InfoProviders) will be removed.

1. Select only the "Delete InfoCube Data" option as follows and "Execute";



This would trigger a background job with the name mentioned under "Job Name"

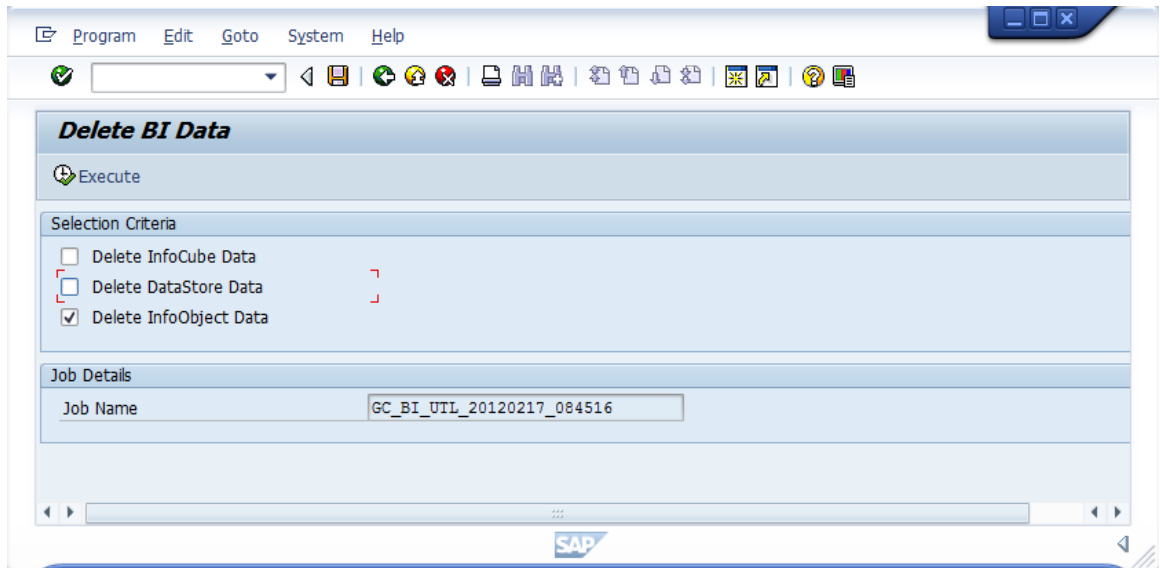
2. Now select only the "Delete DataStore Data" option and "Execute"



Note: Steps 2 & 3 can be done one after the other immediately. This would make the two jobs run in parallel. If for some reason (resource availability for e.g.) this is not possible, you could run them one after another (i.e. kick off Step 3 after Step 2 completes).

3. **After** Steps 2 & 3 have completed, only then kick off this step.

Select only the "Delete InfoObject Data" option and "Execute"



All the job logs can be monitored in in SM37 - Job Overview transaction.

Configuration

There are several Utility Programs available to further assist in utilizing Gold Client BW under the "Configuration" feature. All Gold Client Solutions for BW configuration settings are located under this.

Figure 12.1

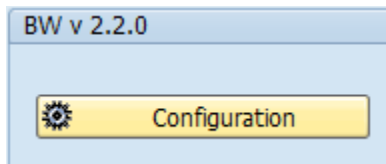
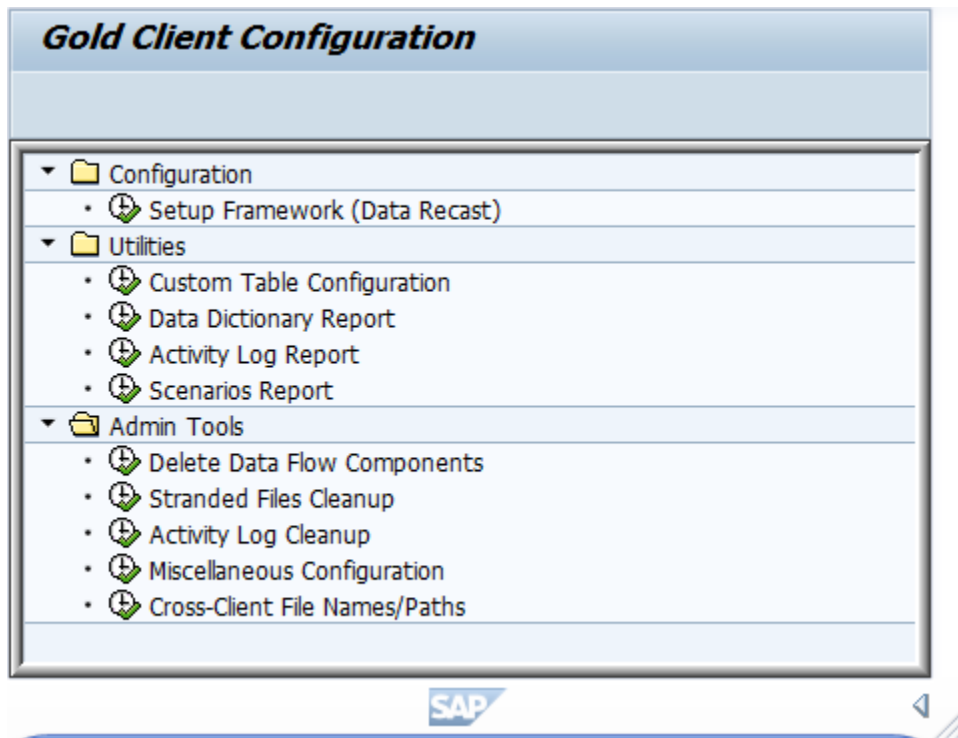


Figure 12.2



Utilities

All utilities/reports to help analyze the Gold Client for BW usage, subset scenario report, custom table report and configuration settings are listed here.

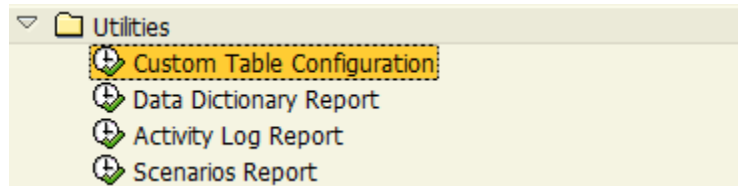
Figure 12.10



Custom Table Configuration

This utility allows users to specify which custom tables are to be included for Gold Client data transfer process.

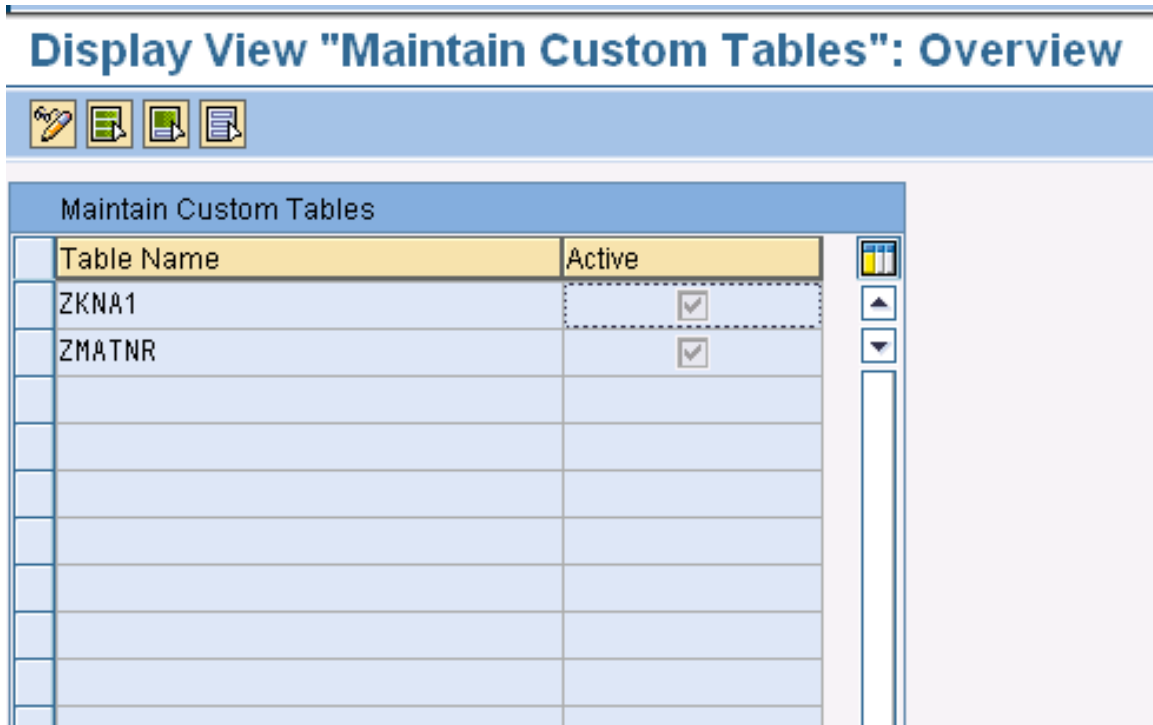
Figure 12.20



On entering this utility, users can choose new entries and enter the name of the tables they would like to use for the Gold Client data transfer process.

Once the table names have been entered, the check box next to them has to be enabled to mark them as active.

Figure 12.21



Once this is done, Gold Client will be able to export data for these custom tables.

NOTE: Only those entries which are included in this table will be shown in the F4 list of Custom data export.

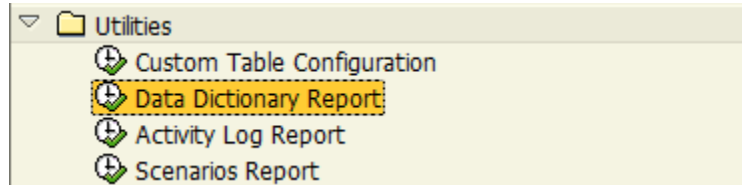
It is not possible to export data for any custom table which does not have a corresponding entry in this utility table and is marked as not ACTIVE.

For a list of custom tables existing in the system, the user can run the Data Dictionary table report.

Data Dictionary Table Report

The Data Dictionary Table report allows the users to identify all custom tables existing in the BW system.

Figure 12.22



On entering this utility, the users will be presented with the following screen:

Figure 12.23

 A screenshot of the 'Data Dictionary Table Report' utility screen. The title bar reads 'Data Dictionary Table Report'. Below the title bar is a blue bar with an 'Execute' button. The main area contains two input fields: 'Table Name' with a value of 'Z*' and 'Delivery class' with a value of 'A'. Both fields have 'to' labels and empty input boxes to their right. Below these fields is a button labeled 'Excluded Tables From Report'.

The utility (with its default selection criteria) identifies all tables in the BW system

- Which start with Z
- Who have delivery class A or C

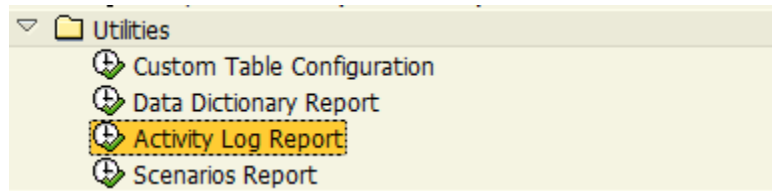
Users have the flexibility to change the default selection options.

The Excluded Tables from report button allows users to maintain table names which will not be included in this report.

Activity Log Report

This utility allows user to view all GOLD CLIENT BW exports and imports which have been run in the current BW system.

Figure 12.11



Users can view the report by:

- User name (person generating the export/import)
- Created on
- Data type (e.g. for InfoObject 0CUSTOMER, enter *CUSTOMER*)
- Export ID (F4 entry help is available)

The report lists

- Type of Process (Export or Import)
- User name
- Created on (Date)
- Created on (Time)
- Data type (name of InfoProvider)
- Scenario number (if applicable)
- Collection Count (Number of records processed)
- Seconds and Hours (Duration of Export/Import process)

The report results can be seen in Figure 12.1.

Figure 12.11




Activity Log Report

Execute ?

Logging Source

Export
 Import
 Both

Logging Characteristics

User Name to 
 Created on to 
 Data Type to 

The report looks like the following:

Figure 12.12

Gold Client BW Activity Log Report

Gold Client Activity Log Report

Exp/Imp	User	Created on	Time	Data type	Sc.Num	Col. Ct.	Seconds	Hours
I	SSHAIKH	10.11.2009	16:59:44	BIW_M_0COMP_CODE		316	25	0,01
I	SSHAIKH	10.11.2009	17:00:09	BIW_M_0COMP_CODE		171	22	0,01
I	SSHAIKH	10.11.2009	17:00:31	BIW_M_0CUSTOMER		20.572	27	0,01
I	SSHAIKH	10.11.2009	17:00:58	BIW_M_0CUSTOMER		18.083	22	0,01
I	SSHAIKH	10.11.2009	17:13:46	BIW_M_0PROMOTION		7	24	0,01
I	SSHAIKH	10.11.2009	17:14:10	BIW_M_0PROMOTION		6	4	0,00
I	SSHAIKH	13.11.2009	13:04:45	BIW_M_0CUSTOMER		20.572	46	0,01
I	SSHAIKH	13.11.2009	13:05:31	BIW_M_0CUSTOMER		18.083	20	0,01
I	SSHAIKH	16.11.2009	10:48:06	BIW_M_0CUSTOMER		20.572	18	0,01
I	SSHAIKH	16.11.2009	10:48:24	BIW_M_0CUSTOMER		18.083	6	0,00
I	SSHAIKH	24.11.2009	11:53:05	BIW_M_0CUSTOMER		20.572	21	0,01
I	SSHAIKH	24.11.2009	11:53:26	BIW_M_0CUSTOMER		18.083	4	0,00
I	SSHAIKH	24.11.2009	12:42:00	BIW_M_0CUSTOMER		20.572	9	0,00
I	SSHAIKH	24.11.2009	12:42:09	BIW_M_0CUSTOMER		18.083	4	0,00

Scenario Report

This utility will list all existing scenarios for a given InfoProvider. On entering the required InfoProvider name, the utility will report all scenarios created for the InfoProvider, scenario owner (user who created the scenario), number of records which meet the scenario criteria, created on, brief description, changed on and changed by.

Double clicking on the scenario entry will list the selection criteria: Name of field(s), inclusion/exclusion, selection options (EQ, Less than, Greater than etc) and its values.

This utility will enable users to exhibit all scenarios for a given InfoProvider. No changes can be made here.

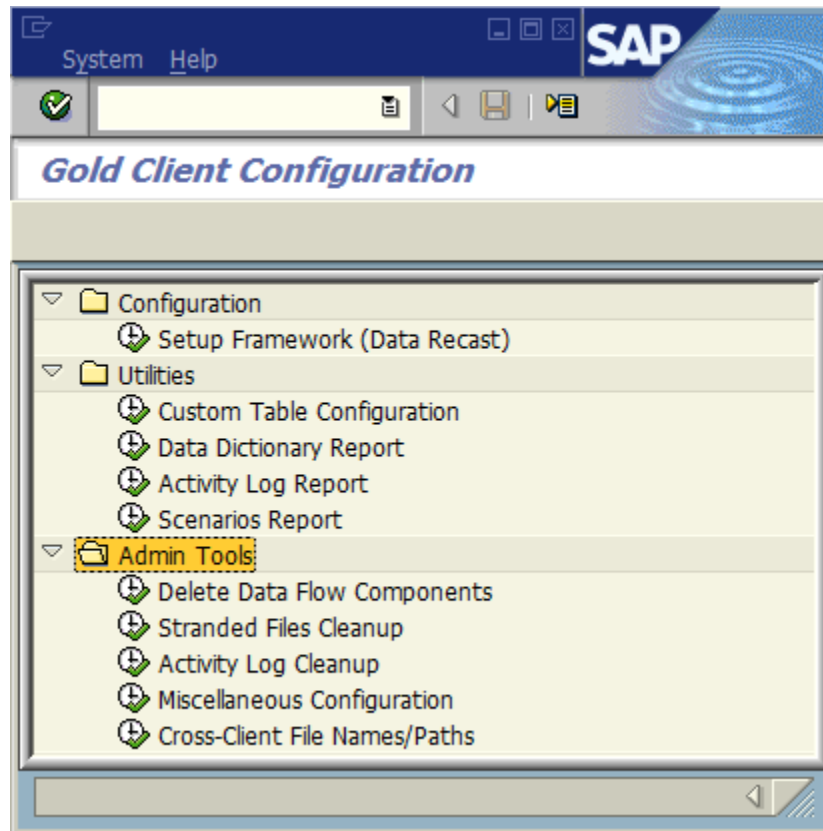
Figure 12.15

Figure 12.16

Data type	Scen.Num	Scenario Owner	Record Ct.	Created on	Scenario Description	Changed by	Changed On
BIW_T_OPUR_C01	4	SSHAIKH	86,636	12/14/2009	Pur by Vendor		
BIW_T_OPUR_C01	5	SSHAIKH	123,493	12/14/2009	Pur by InfoRecord		
BIW_T_OPUR_C01	7	SSHAIKH	84,490	12/04/2009	purchasing subset		
BIW_T_OPUR_C01	8	SSHAIKH	42,739	03/31/2010	pur records by chy DE		
BIW_T_OPUR_C01	9	SSHAIKH	76,641	04/29/2010	pur by country DE		
BIW_T_OPUR_C01	11	SSHAIKH	36,857	04/21/2010	Purchasing records for DE		
BIW_T_OPUR_C01	13	SSHAIKH	147,599	05/19/2010	chy de		
BIW_T_OPUR_C01	14	SSHAIKH	42,739	05/21/2010	Pur records by Ctry DE		
BIW_T_OPUR_C01	16	SSHAIKH	36,857	07/29/2010	Pur data by country		
BIW_T_OPUR_C01	17	SSHAIKH	192,312	07/02/2010	test wildcards		
BIW_T_OPUR_C01	18	SSHAIKH	36,857	07/29/2010	purchasing by chy		
BIW_T_OPUR_C01	19	GCSUPERUSEI	47,633	08/27/2010	test	SSHAIKH	08/27/2010
BIW_T_OPUR_C01	20	SSHAIKH	0	08/30/2010	request id		
BIW_T_OPUR_C01	21	SSHAIKH	36,857	08/31/2010	Pur by country		
BIW_T_OPUR_C01	22	SSHAIKH	36,857	09/08/2010	pur by de		
BIW_T_OPUR_C01	23	SSHAIKH	36,857	09/08/2010	PUR BY CTRY		
BIW_T_OPUR_C01	24	NEERAJA	1,247	09/09/2010	Subset By Time		
BIW_T_OPUR_C01	25	NEERAJA	1	09/09/2010	Subset By Time		
BIW_T_OPUR_C01	26	NEERAJA	51,005	09/09/2010	Subset By Time	NEERAJA	09/09/2010
BIW_T_OPUR_C01	27	NEERAJA	1,247	09/09/2010	Subset By Time		

Admin Tools

The functions in this menu are used to configure and maintain areas of Gold Client BW.



Delete Data Flow Components

When importing data, Gold Client BW will automatically create relevant data flow components such as InfoPackage, InfoSource, Update Rules etc. for source system ZGOLD. These are readily identifiable as belonging to ZGOLD for they contain ZAU* in their names.

Once the imports are complete, these generated data flow components can be deleted using this utility. Deleting these structures does not impact any future imports

Figure 12.14

The screenshot shows a web-based utility interface titled "Delete Gold Client Data Flow Components". At the top, there is a blue header bar with the title. Below the header, there is a toolbar with two buttons: "Execute" (with a green play icon) and a help icon (with a question mark). The main content area is divided into two sections. The first section, "Info Provider Type", contains three radio button options: "InfoCube" (which is selected), "DataStore Object", and "InfoObject". The second section, "Info Provider Selection", features a text input field containing "InfoCube", followed by a yellow rectangular selection box, the word "to", another empty text input field, and a right-pointing arrow button.

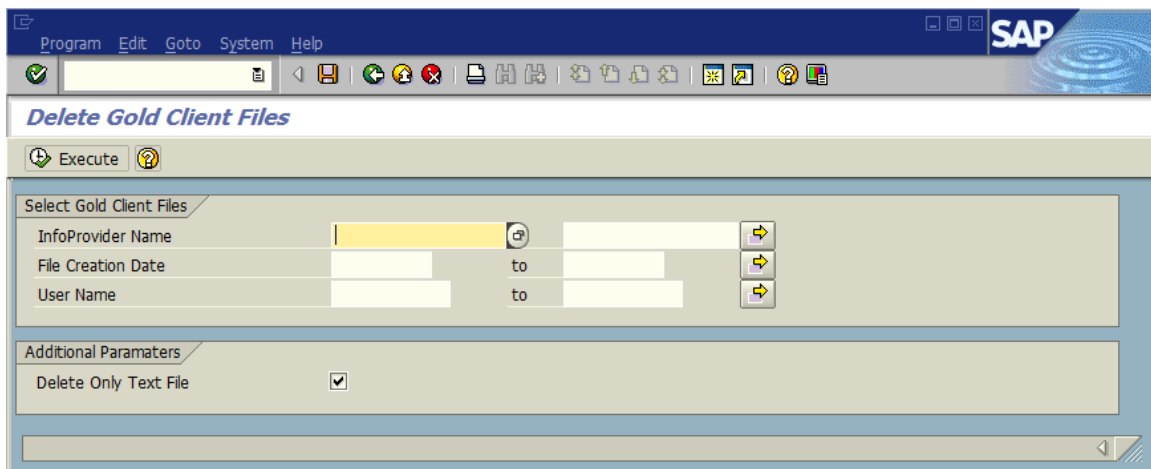
Stranded Files Cleanup

This utility will enable users to delete all the data files generated by Gold Client BW. Files can be selected by InfoProvider name, date on which the file was generated and the user who generated the files.

It is recommended that files no longer required for import be deleted to conserve memory on the shared file system.

CAUTION: Files, once deleted, cannot be restored. Do NOT delete files while imports are running.

Figure 12.17



Delete only Text file:

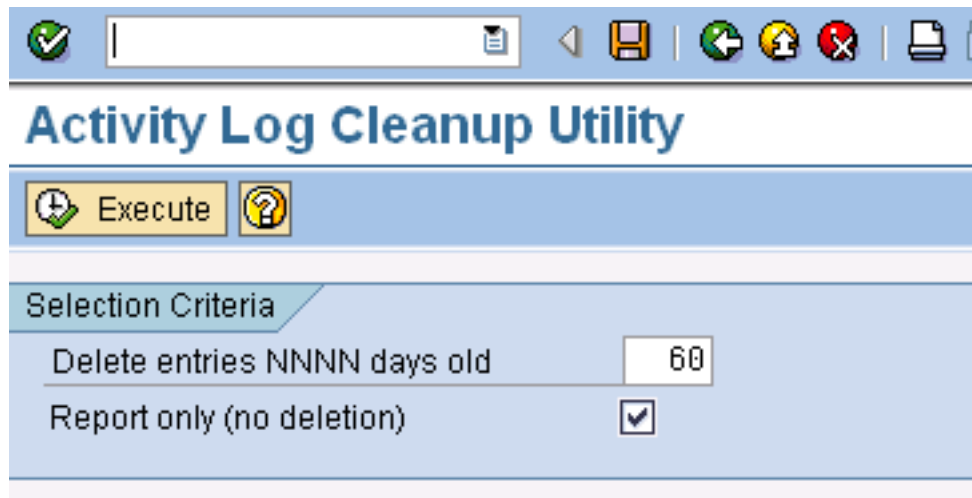
Gold Client BW generates an ASCII text file to load data during imports. Once the imports are completed, a job is scheduled to delete these ASCII files. If the imports do not complete successfully or if the scheduled deletion job is not released, the ASCII text files may not be deleted. Upon executing this utility with the Indicator checked ON, all existing ASCII text files related to GOLD CLIENT BW will be deleted from the shared file system.

NOTE: This does not delete the generated export files used in imports. Users will still be able to import the data contained in the files at a later time.

Activity Log Cleanup Utility

This utility allows the Gold Client Administrator to delete Gold Client Activity Log of entries which are older than a predetermined number of days. It is recommended that a periodic job to clear old Activity log entries be scheduled in the BW system.

Figure 12.13



Report Only function allows the Administrator to view the Logs that are going to be deleted.

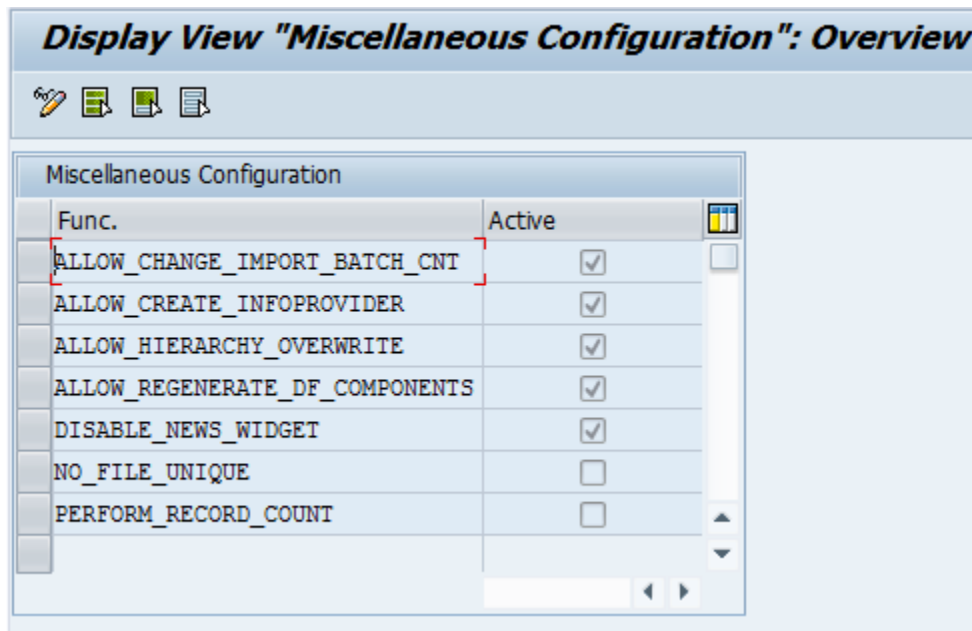
Leaving this indicator on will present a report of the entries to be deleted. No actual deletion will take place. It is recommended that the GOLD CLIENT Administrator run a report first and then schedule the actual deletion of old log entries by turning this indicator OFF.

Miscellaneous Configuration

The utility configuration table allows the GOLD CLIENT administrator to enable/change settings for GOLD CLIENT users.

The default values are as shown below:

Figure 12.19



Func.	Active
ALLOW_CHANGE_IMPORT_BATCH_CNT	<input checked="" type="checkbox"/>
ALLOW_CREATE_INFOPROVIDER	<input checked="" type="checkbox"/>
ALLOW_HIERARCHY_OVERWRITE	<input checked="" type="checkbox"/>
ALLOW_REGENERATE_DF_COMPONENTS	<input checked="" type="checkbox"/>
DISABLE_NEWS_WIDGET	<input checked="" type="checkbox"/>
NO_FILE_UNIQUE	<input type="checkbox"/>
PERFORM_RECORD_COUNT	<input type="checkbox"/>

ALLOW_CHANGE_IMPORT_BATCH_CNT

When enabled by the Administrator, this allows the users to change the number of files being processed by the GOLD CLIENT transaction data import batch job at a time. The default value is 25. This can be changed by the user to allow a smaller/larger number of files to be processed at a time. When processing a large number of files with, it is recommended that the number of files to be processed be a lower number.

NOTE: When processing a large number of files, sometimes the import process errors out with message "LOAD PROGRAM LOST". This is due to insufficient program buffer. It is strongly recommended to lower the number of files to be processed per background job from 25 to 10 or lower. This will reduce the probability of the error occurring during imports.

NOTE: This does not impact Exports in any way.

ALLOW_CREATE_INFOPROVIDER

When enabled by the Administrator, this allows the users to create the InfoProviders which are missing in the importing system DURING the import data process.

ALLOW_HIERARCHY_OVERWRITE

When enabled by the Administrator, this allows the users to overwrite existing hierarchies in the importing system when importing Master Data hierarchies.

ALLOW_REGENERATE_DF_COMPONENTS

When enabled by the Administrator, this allows the user to enable/disable regenerate the Data Flow components during the GOLD CLIENT import process. It is strongly recommended to keep the default value.

DISABLE_NEWS_WIDGET

When enabled by the Administrator, this will disable the news widget from the initial Gold Client Solutions screen for BW.

NO_FILE_UNIQUE

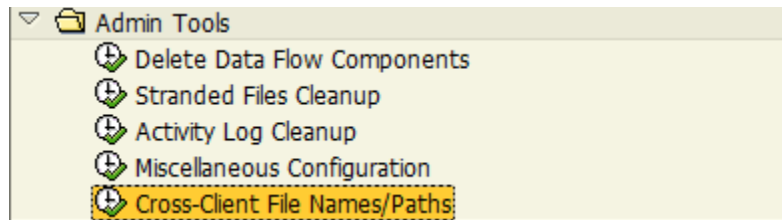
When enabled by the Administrator, the file uniqueness check feature (default setting) will be disabled. Hence if the export file names were the same as previously used (in cases w/o date and time stamp in the filenames) it will be possible to overwrite the old Gold Client file with the new one. This setting is useful when there is need to automate the Gold Client export process using process chains.

PERFORM_RECORD_COUNT

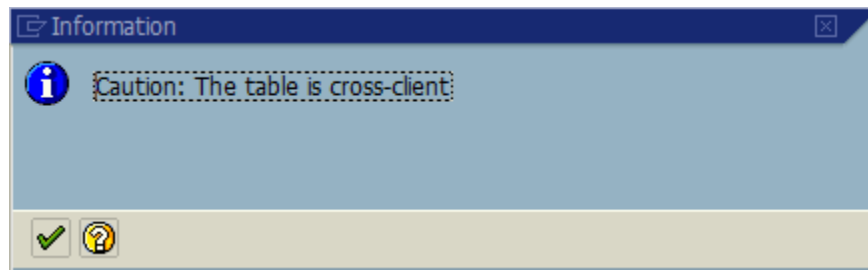
When enabled by the Administrator, this allows the setup framework to count the number of records of each InfoCube/DSO/InfoObject. This slows down the setup framework job considerably. It is not recommended to turn this ON.

Cross-Client File Names/Paths

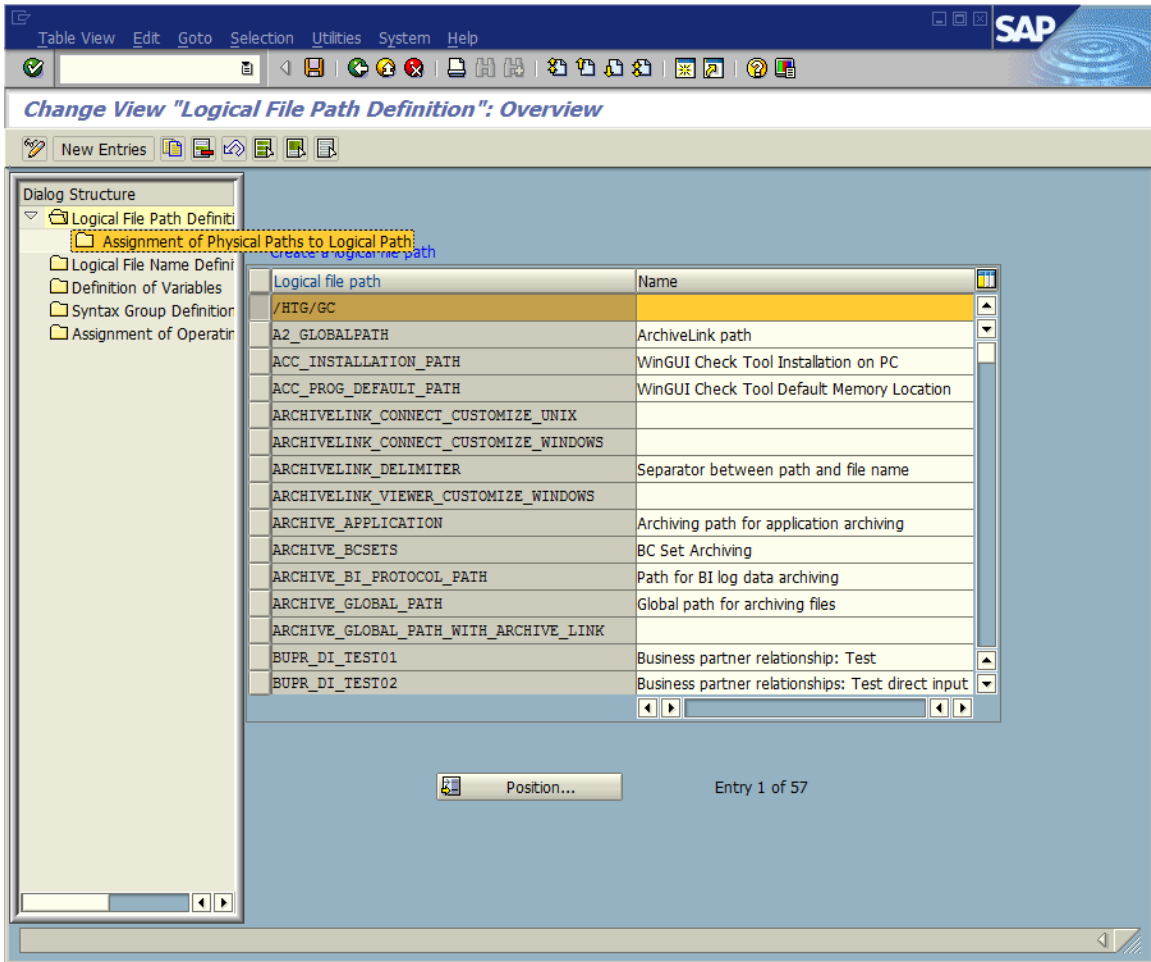
The NFS Filepath definition to which all the data files are written to and read from is defined using the "Cross-Client File Names/Paths" link.



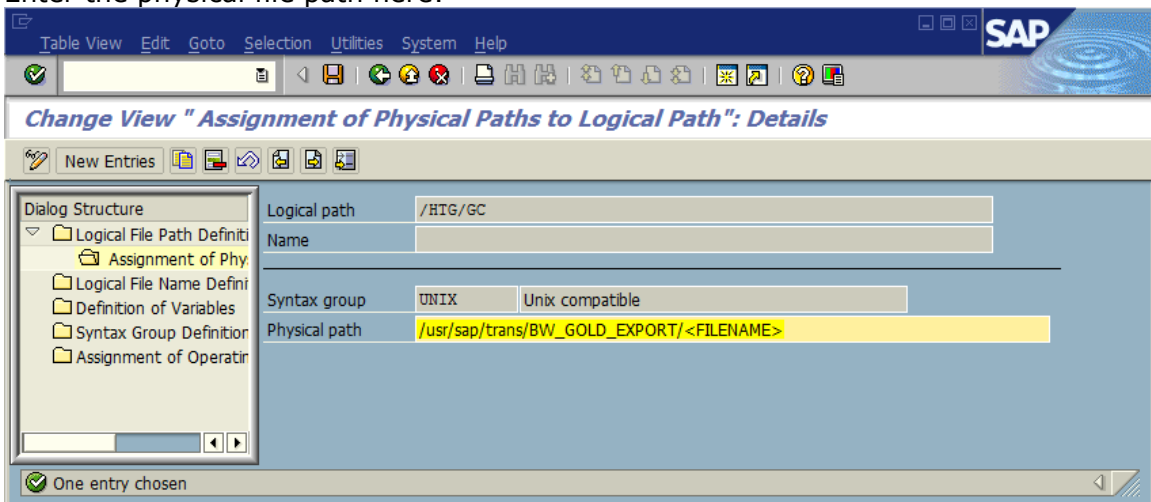
The transaction that gets executed in the background is "FILE". This FILE setting needs to be performed both in the target and the source clients. This setting could also be transported using the transportation layer all the way up till the source BW system.



Select the logical file path "/HTG/GC" and then click on "Assignment of Physical Paths to Logical Path".



Enter the physical file path here:



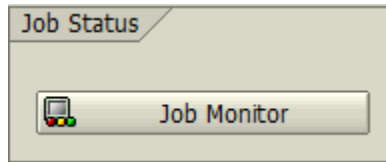
File mount:

In the case of a BW client having multiple application servers, it is required to mount the file path individually on each application server for smooth operation of both transferring the data files to and from the file share. Failure to do this could cause the file transfer issue during the write process and / or read issues when the source system has finished transferring the file to the file share.

Also it has been noted under "automount" file share technologies that the NFS file system goes stale if it is not invoked every so often, usually by calling the file share via AL11 transaction or other means (at the OS level). Gold Client for BW has inbuilt code to check the health of the file share prior to writing out to it as the "automount" systems get activated on call. If the NFS file share is either not present / inactive, then Gold Client would not transfer the file and will put out a message to check the file share.

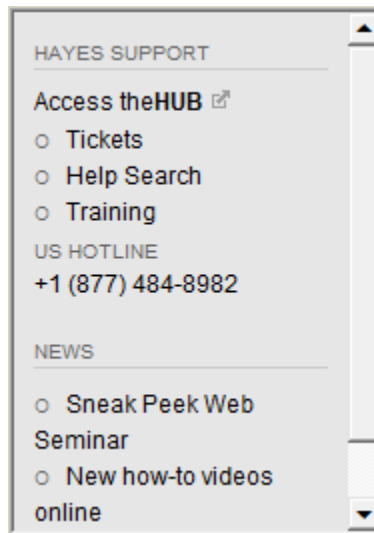
Job Monitor

The job monitor is a quick way to reference all export and import jobs executed using Gold Client BW. On the main screen, select.



This initiates the transaction SM37 Job Overview. Select all jobs with the ABAP name /HTG/*.

News Widget



Keep in the know and up to date on the latest patch updates and transports information as well as a direct support links and hotline number. Also, stay up to date with the Hayes news and theHUB info.

Support Information

Hayes Technology Group, Inc. can be contacted either by telephone or via email. Any support related issue regarding problems with or use of the Gold Client BW software and process can be reported for resolution.

If our offices are closed, or staff is unable to directly respond to a support request, we will respond within 24 hours of the initial call. Problems related to the export or import processing may require code enhancements. If a code enhancement or fix is required, resolution time may vary.

As per the maintenance agreement, any repairs or enhancements to the Gold Client BW software will immediately be deployed to all customers up-to-date with their maintenance contract. It is the choice of the customer as to if and when such enhancements are implemented. In addition, customers may request a planning session with Hayes Technology Group to review changes in the software and how the changes might impact their environment.

We can also be contacted to discuss application or feasibility of using the Gold Client BW process to resolve a current challenge the project team faces. When this is required, a planning session can be scheduled in advance to ensure proper participation by both Hayes Technology Group and the client.

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