Qlik Gold Client™

Qlik

Gold Client BW 4.0
User Guide

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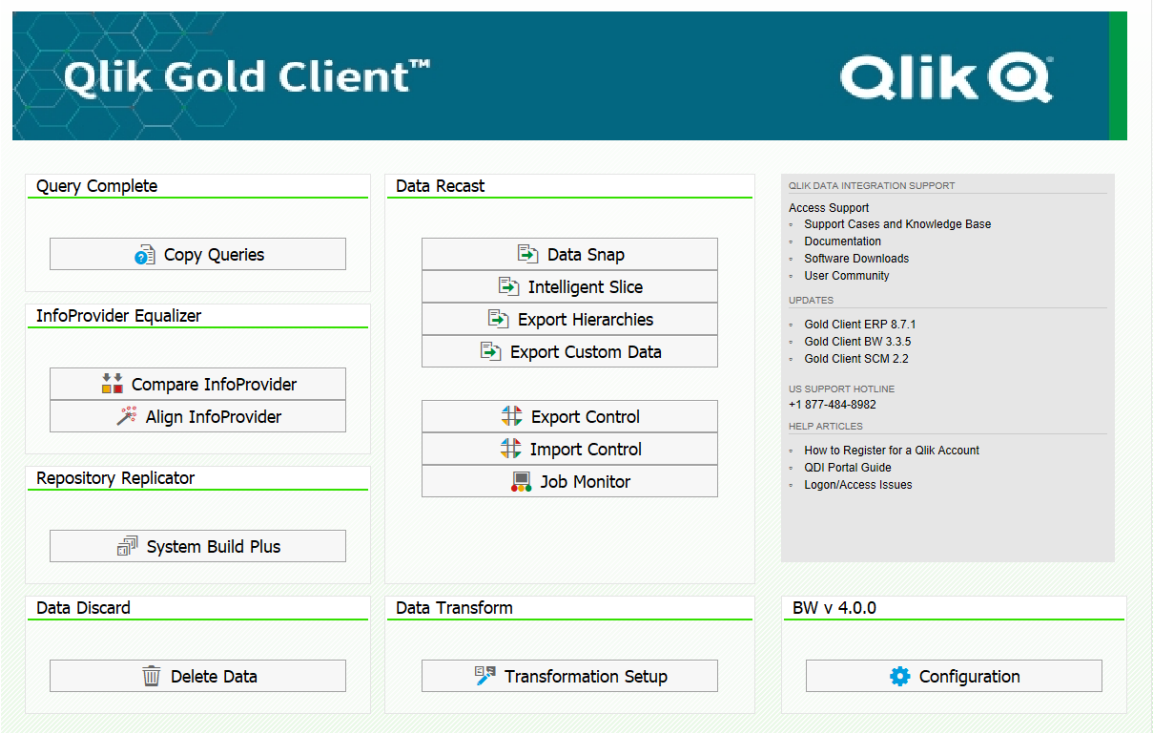
Introduction

Gold Client Solutions for 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.

Once you're logged on to BW use Tcode: **ZGOLDBW**

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 73 System
SAP_ABA	SAPKA73007
SAP_BASIS	SAPKB73007
SAP_BW	SAPKW73007
PI_BASIS	SAPK-73007INPIBASIS
BI_CONT	SAPK-73602INBICONT

Software Installation Location

Gold Client Solution software resides inside the SAP systems. The source, the target systems, and the code are 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 either 2% of your source system used space or 20 GB of free space is recommended in the shared file system whichever is more. 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 ZGOLDBW.

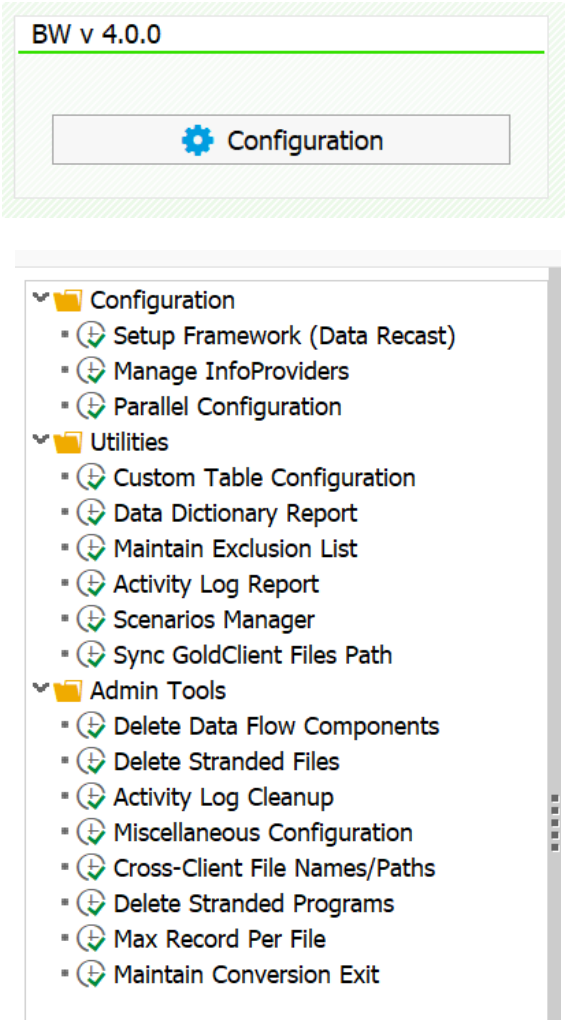
System Settings

Gold Client BW requires the target system must be open for changes (via SCC4) unless the required data flow components have been transported from another system.

Setup Framework

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

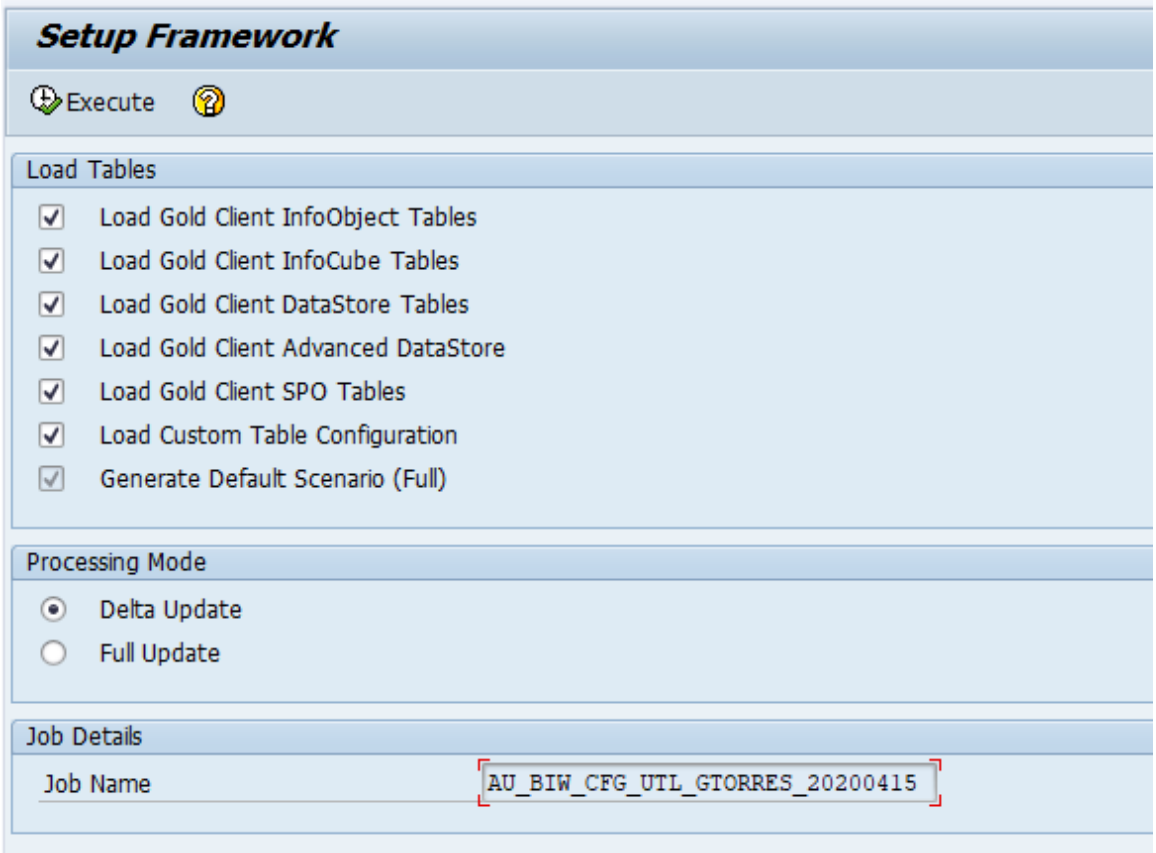
Figure 1.1.0



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.

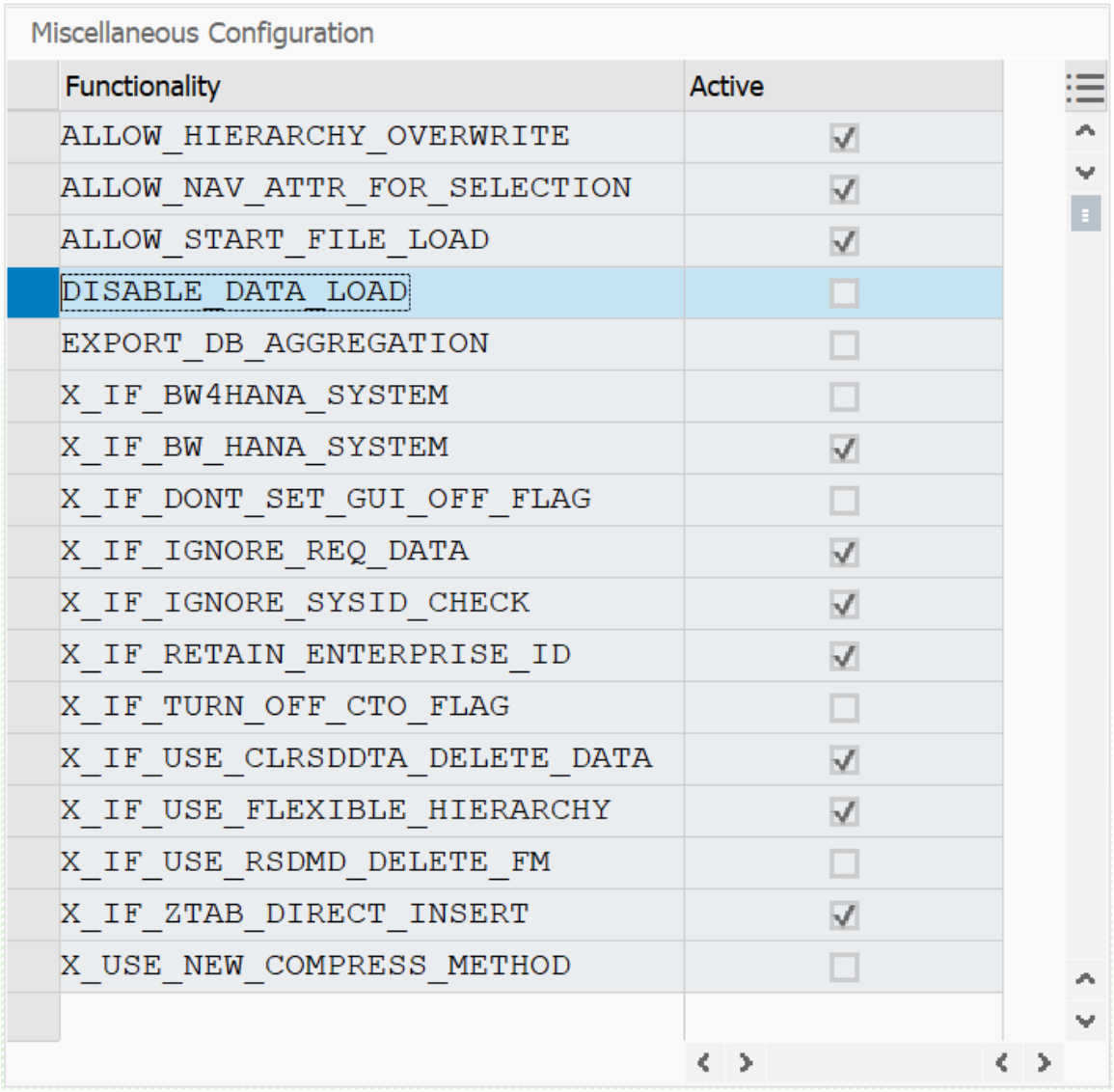
The Setup Framework job entails identifying all active InfoObjects, InfoCubes, DSOs (classic and advanced) and Semantic Partitioned Objects (SPOs) which exist in the system.

Figure 1.1.1



It is required that this job be executed in "Full Update" mode the first time it is run and then scheduled in "Delta Update" mode as needed when new objects are moved into the system that contain data for export.

MCONFIG Initial Setup



The above screenshot settings should be set at minimum for initial setup (note: these may be modified by Attunity support as required).

HANA Systems ONLY
Please use the following settings for HANA systems:
X_IF_BW4HANA_SYSTEM – turn on for BW4/HANA systems
X_IF_BW_HANA_SYSTEM – turn on for BW on HANA systems

Manage InfoProviders

This optional functionality is used to manage the InfoProviders by changing the default time characteristics and the package size assigned to them if needed. Running Manage InfoProviders also helps in identifying all InfoProviders available on the source and target systems. As seen on the Figure 1.1.2 for every InfoProvider type selected the user has the opportunity to update the information on Time characteristic, Package size and Active Flag.

The SAVE button will save all the new changes to the info providers.

Once we have all the information ready, we can create the export ID and scenarios automatically.

Figure 1.1.2

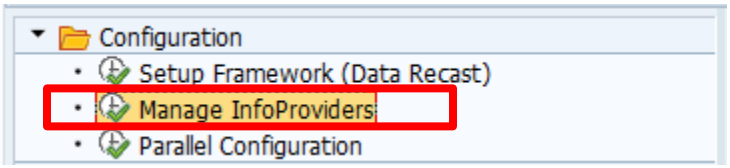
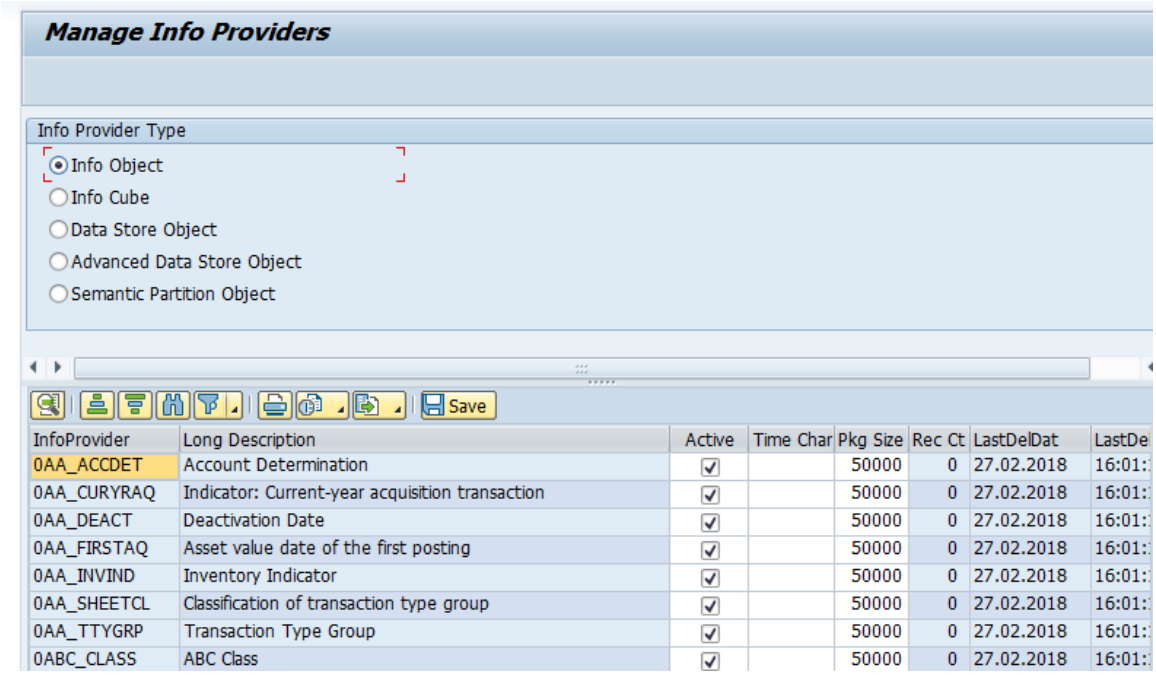


Figure 1.1.3



InfoProvider	Long Description	Active	Time Char	Pkg Size	Rec Ct	LastDelDat	LastDe
0AA_ACCDET	Account Determination	☑		50000	0	27.02.2018	16:01:
0AA_CURYRAQ	Indicator: Current-year acquisition transaction	☑		50000	0	27.02.2018	16:01:
0AA_DEACT	Deactivation Date	☑		50000	0	27.02.2018	16:01:
0AA_FIRSTAQ	Asset value date of the first posting	☑		50000	0	27.02.2018	16:01:
0AA_INVIND	Inventory Indicator	☑		50000	0	27.02.2018	16:01:
0AA_SHEETCL	Classification of transaction type group	☑		50000	0	27.02.2018	16:01:
0AA_TTYGRP	Transaction Type Group	☑		50000	0	27.02.2018	16:01:
0ABC_CLASS	ABC Class	☑		50000	0	27.02.2018	16:01:

Active:

By default all objects will have the active box selected. Any objects that the administrator does not want to be available for export (ie. Sensitive data, statistic data) can be de-selected.

Time Char:

This is the default time characteristic that will be used for intelligent slice when creating a time based export ID. The default can be changed in this screen by selecting a different time characteristic then clicking the save button. If there are no time characteristics present in the object it will be blank.

Package Size:

By default this is set to 50,000 for performance reasons. However, if there are memory issues on loading the package size can be reduced to accommodate systems with less available memory.

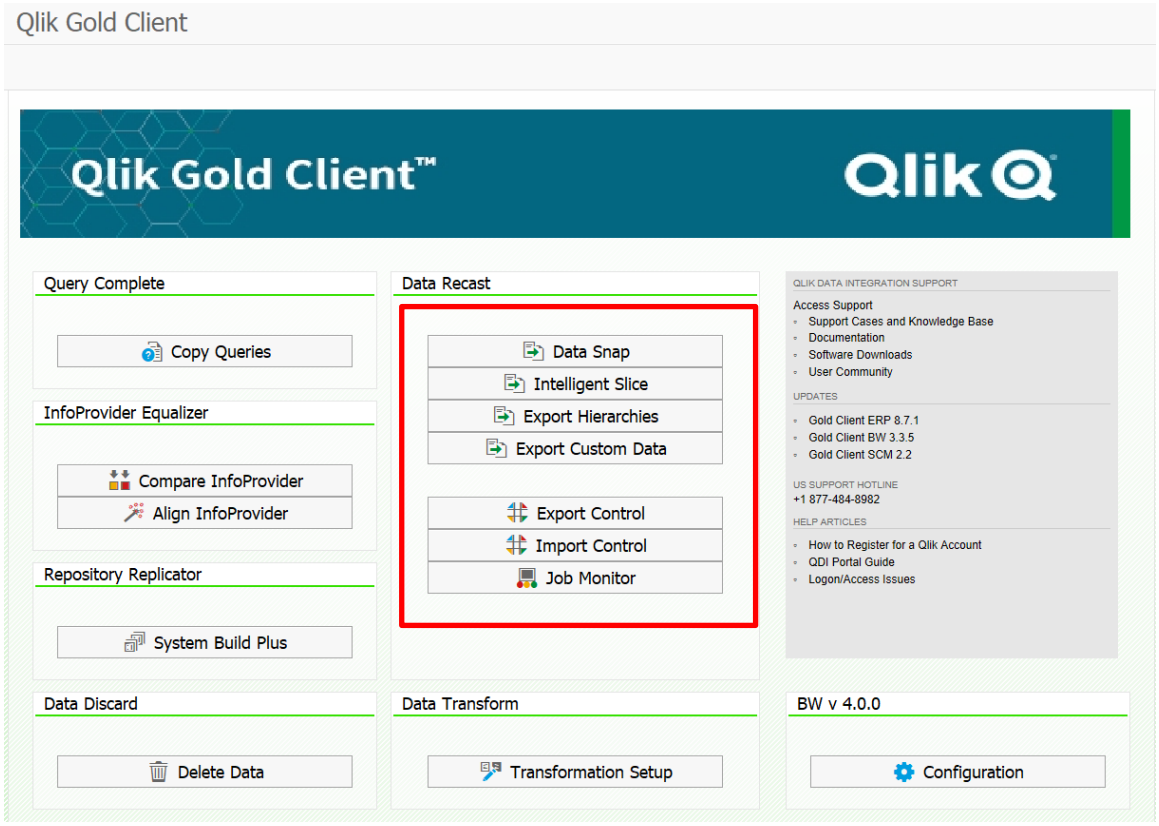
Record Count:

Initially record count will be 0 because records have not yet been extracted.

Data Recast

This is where all the export and import of master and transaction data, custom tables (Z-tables), hierarchies and Data Snap.

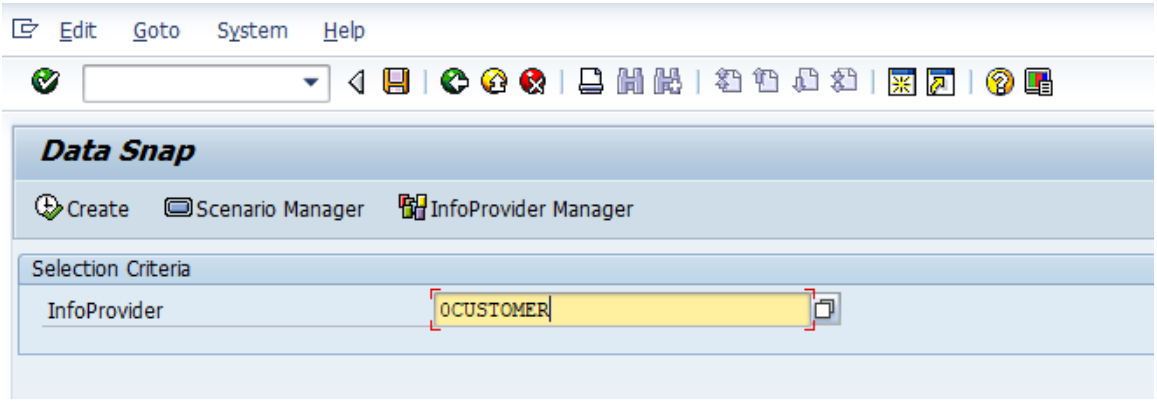
Figure 1.1.4



Data Snap

The Data Snap function enables the user to create a customized slice of data from the selected InfoProvider.

Figure 1.1.5

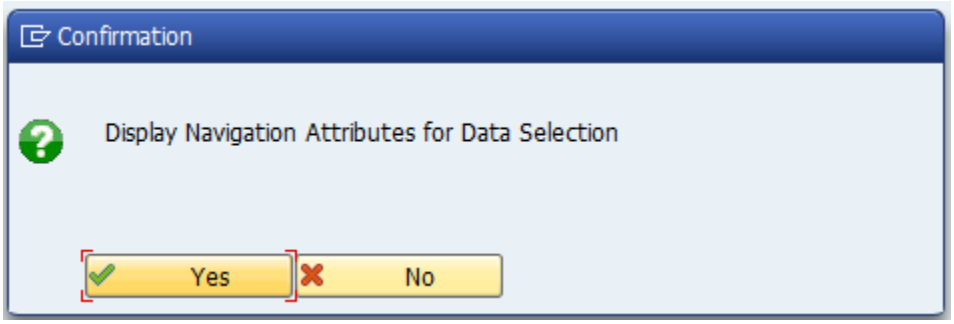


The first step is to either select an InfoProvider from the F4 help or type in the InfoProvider name.

If there are already existing scenarios they can be viewed or modified by clicking the scenario manager button. Otherwise click on “Create”.

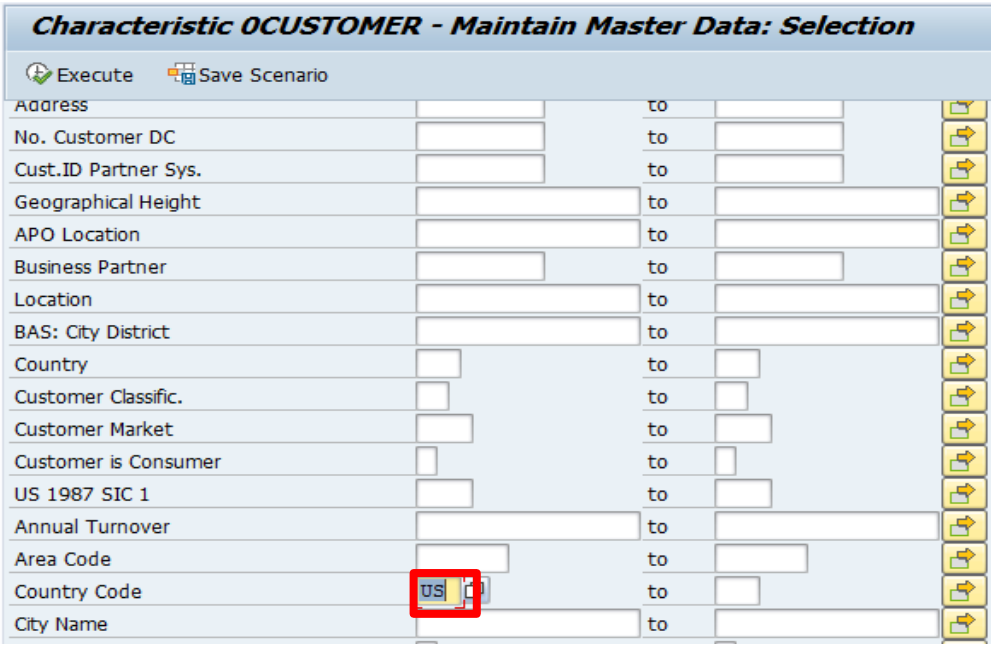
A prompt will then appear asking about navigational attributes (figure 1.1.6). Using navigational attributes for data selection is optional and if they aren’t needed as filtering criteria the user can select “no”.

Figure 1.1.6



In the following screen the user can select the characteristics they want to use in order to filter the data in the data snapshot. In the example below (figure 1.1.7) the user has selected customers by country code "US".

Figure 1.1.7



Select save scenario (Figure 1.1.8) and provide and scenario description. Click on continue.

Figure 1.1.8

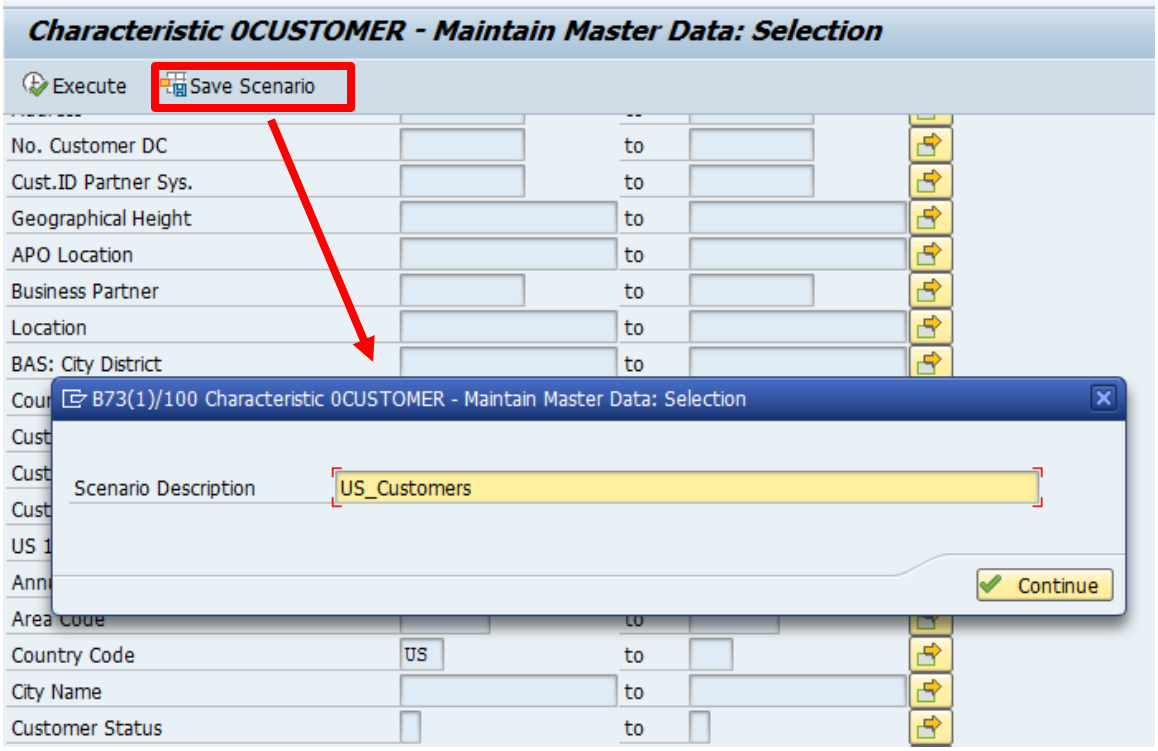
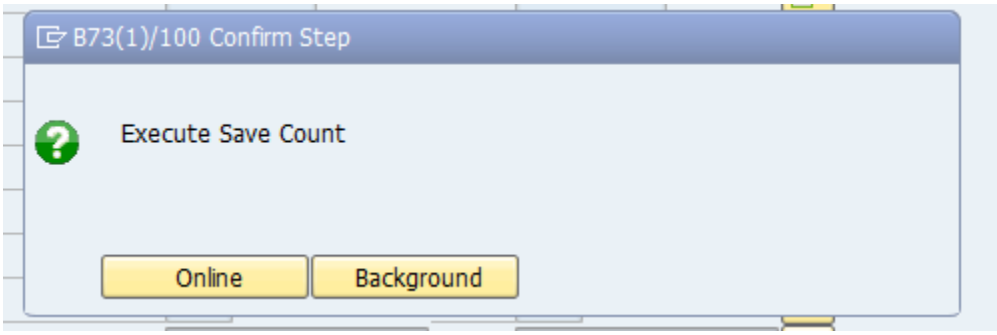


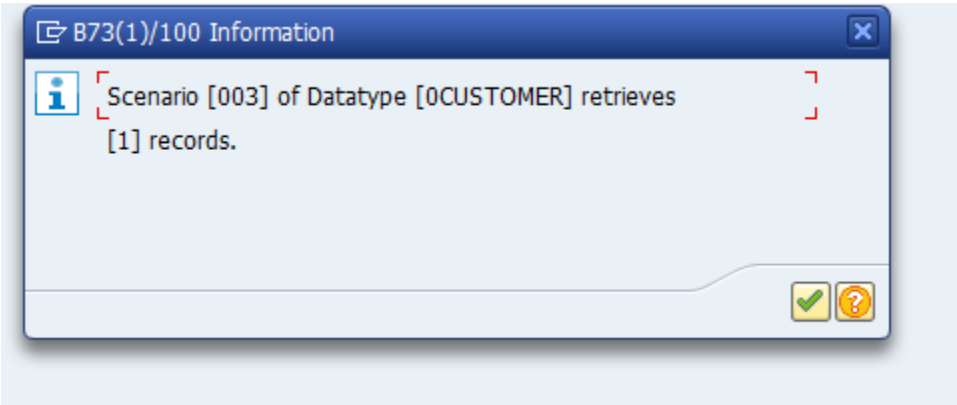
Figure 1.1.9



User has the option to execute the record count for the scenario in foreground (online) or on the background. We highly recommend to execute in background if the InfoProvider contains a large volume of data.

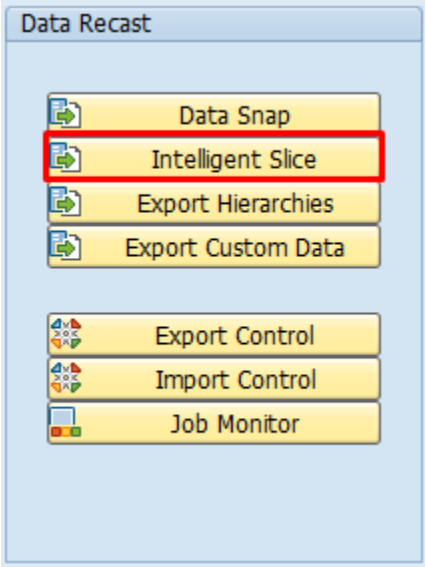
A confirmation message pop up appears when the save count is executed in the foreground displaying the scenario number and InfoProvider name as shown on (Figure 1.1.10). If the save count is executed in the background the user can view the status in SM37.

Figure 1.1.10

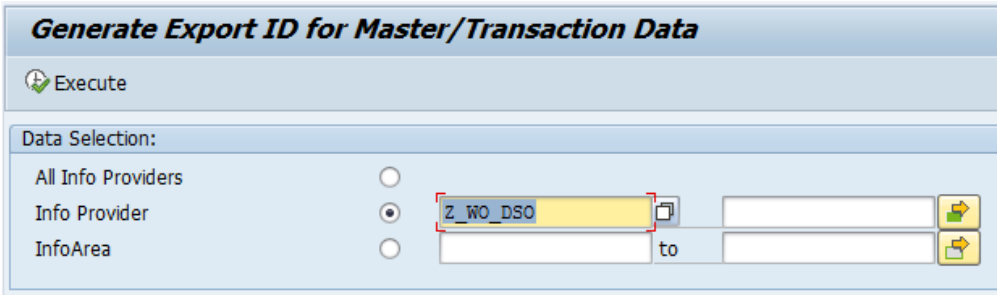


NOTE: *At this point the data has not be exported yet. User will still need to go to export control and add the scenario into the export container. This will be demonstrated on the Export Control topic further ahead.*

Intelligent Slice



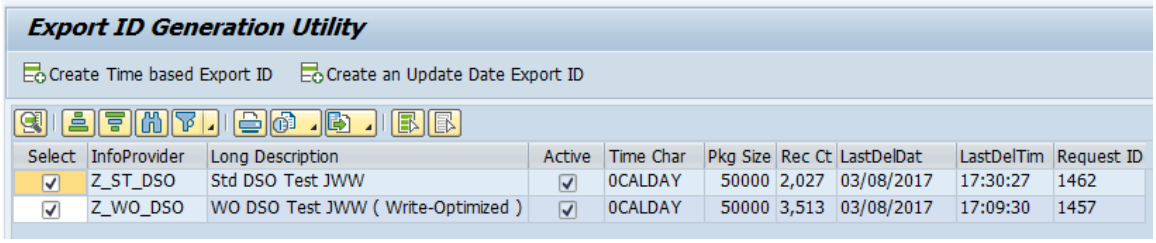
This feature enables users to use either a time characteristic or data provider request ID load date/time to create a slice of data across many transaction data providers at once.



In the first screen there are three selection choices:

1. All InfoProvider – In this case all transactional InfoProvider will be selected
2. InfoProvider – the user has the choice of selecting one; a range or list of InfoProviders.
3. InfoArea – Select all the transactional InfoProviders in the selected InfoArea

Select the desired InfoProvider(s) and execute



In the following screen select the InfoProviders to be used from the list selected in the previous screen.

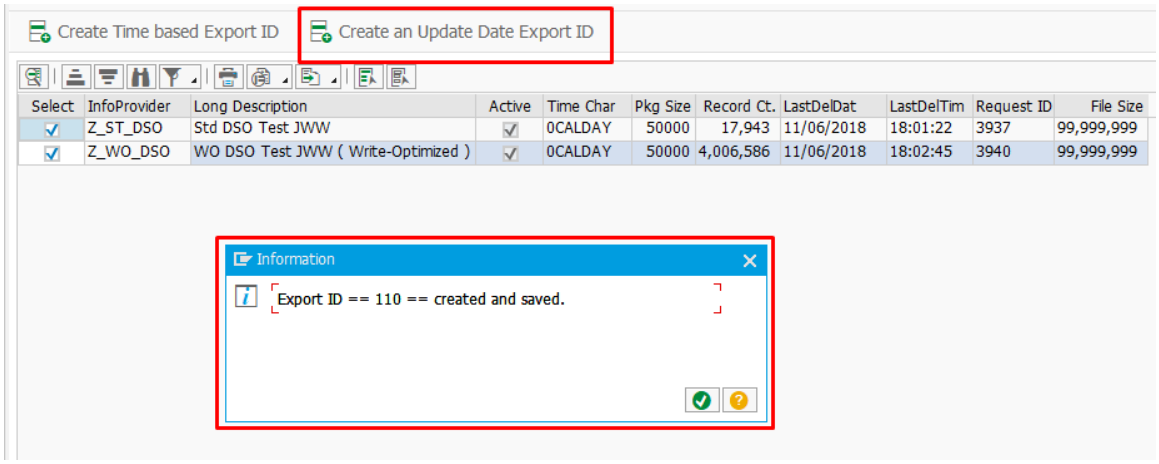
There are two options at this screen that can be used for data slice creation:

1. Time based Export ID – see page 58 for further instructions
2. Update Date Export ID – this uses the update date of requests in a cube or DSO to select data

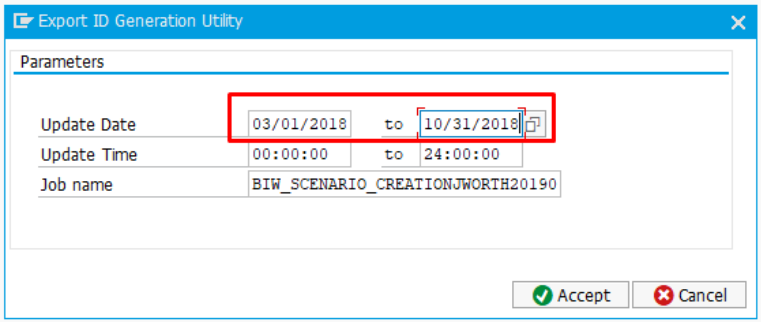
An example of this is below:

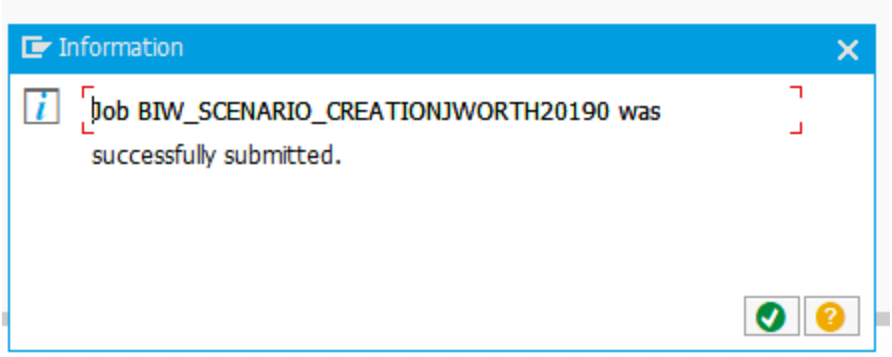
The user would like to export requests that have been updated between 03/01/2018 and 10/31/2018 for object Z_ST_DSO and Z_WO_DSO.

1. Select "Create an Update Date Export ID". A new Export ID will be created automatically.

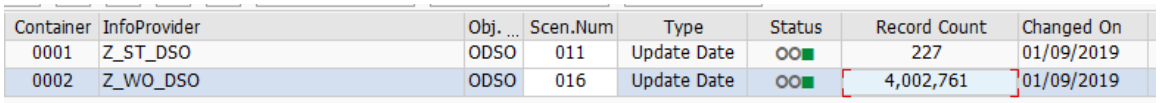


2. Input selection as shown below and click accept. The system will start a background job with name similar to what is shown below:



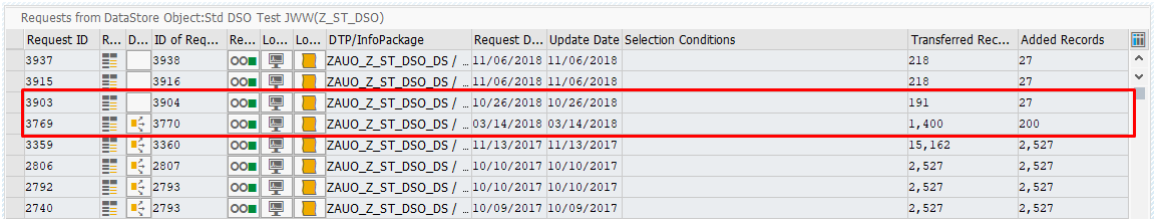


3. When the job is completed return to the export ID to view the resulting scenarios that have been created. The record count for the resulting requests selected will be displayed (Note: if there are no requests that are selected the status will show yellow and the record count will be 0).



Container	InfoProvider	Obj. ...	Scen.Num	Type	Status	Record Count	Changed On
0001	Z_ST_DSO	ODSO	011	Update Date		227	01/09/2019
0002	Z_WO_DSO	ODSO	016	Update Date		4,002,761	01/09/2019

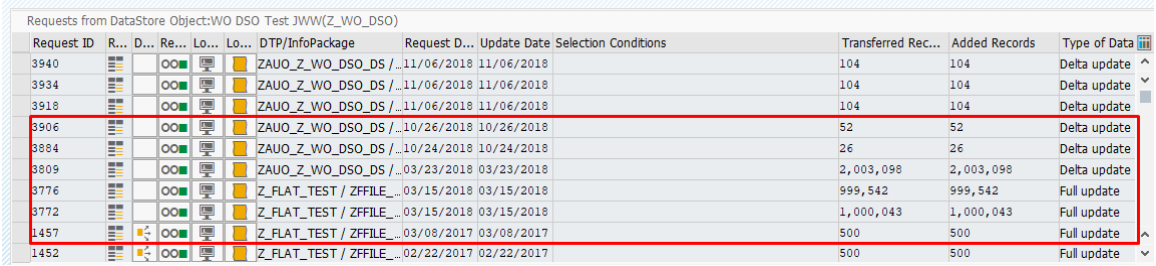
4. The two requests shown below for Z_ST_DSO should be selected as they fall within the dates indicated. The other requests should not be included in the selection.



Requests from DataStore Object:Std DSO Test JWW(Z_ST_DSO)

Request ID	R...	D...	ID of Req...	Re...	Lo...	Lo...	DTP/InfoPackage	Request D...	Update Date	Selection Conditions	Transferred Rec...	Added Records
3937			3938				ZAUO_Z_ST_DSO_DS / ...	11/06/2018	11/06/2018		218	27
3915			3916				ZAUO_Z_ST_DSO_DS / ...	11/06/2018	11/06/2018		218	27
3903			3904				ZAUO_Z_ST_DSO_DS / ...	10/26/2018	10/26/2018		191	27
3769			3770				ZAUO_Z_ST_DSO_DS / ...	03/14/2018	03/14/2018		1,400	200
3359			3360				ZAUO_Z_ST_DSO_DS / ...	11/13/2017	11/13/2017		15,162	2,527
2806			2807				ZAUO_Z_ST_DSO_DS / ...	10/10/2017	10/10/2017		2,527	2,527
2792			2793				ZAUO_Z_ST_DSO_DS / ...	10/10/2017	10/10/2017		2,527	2,527
2740			2793				ZAUO_Z_ST_DSO_DS / ...	10/09/2017	10/09/2017		2,527	2,527

The six requests shown below for Z_WO_DSO should be selected as they fall within the dates indicated. The other requests should not be included in the selection.



Requests from DataStore Object:WO DSO Test JWW(Z_WO_DSO)

Request ID	R...	D...	Re...	Lo...	Lo...	DTP/InfoPackage	Request D...	Update Date	Selection Conditions	Transferred Rec...	Added Records	Type of Data
3940						ZAUO_Z_WO_DSO_DS / ...	11/06/2018	11/06/2018		104	104	Delta update
3934						ZAUO_Z_WO_DSO_DS / ...	11/06/2018	11/06/2018		104	104	Delta update
3918						ZAUO_Z_WO_DSO_DS / ...	11/06/2018	11/06/2018		104	104	Delta update
3906						ZAUO_Z_WO_DSO_DS / ...	10/26/2018	10/26/2018		52	52	Delta update
3884						ZAUO_Z_WO_DSO_DS / ...	10/24/2018	10/24/2018		26	26	Delta update
3809						ZAUO_Z_WO_DSO_DS / ...	03/23/2018	03/23/2018		2,003,098	2,003,098	Delta update
3776						Z_FLAT_TEST / ZFFILE_...	03/15/2018	03/15/2018		999,542	999,542	Full update
3772						Z_FLAT_TEST / ZFFILE_...	03/15/2018	03/15/2018		1,000,043	1,000,043	Full update
1457						Z_FLAT_TEST / ZFFILE_...	03/08/2017	03/08/2017		500	500	Full update
1452						Z_FLAT_TEST / ZFFILE_...	02/22/2017	02/22/2017		500	500	Full update

5. Now that the export and scenarios have been completely created the user can export the resulting data set as needed. Proceed to "Export Control" on page 28 to export the selected data.

Export Hierarchies

This Feature enables user to include hierarchies for the master data components. This is an independent feature were where it enable user to export hierarchies for the chosen InfoObject(s).

Figure 1.2.0

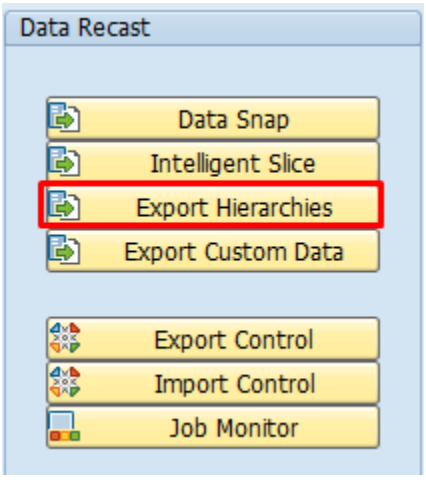
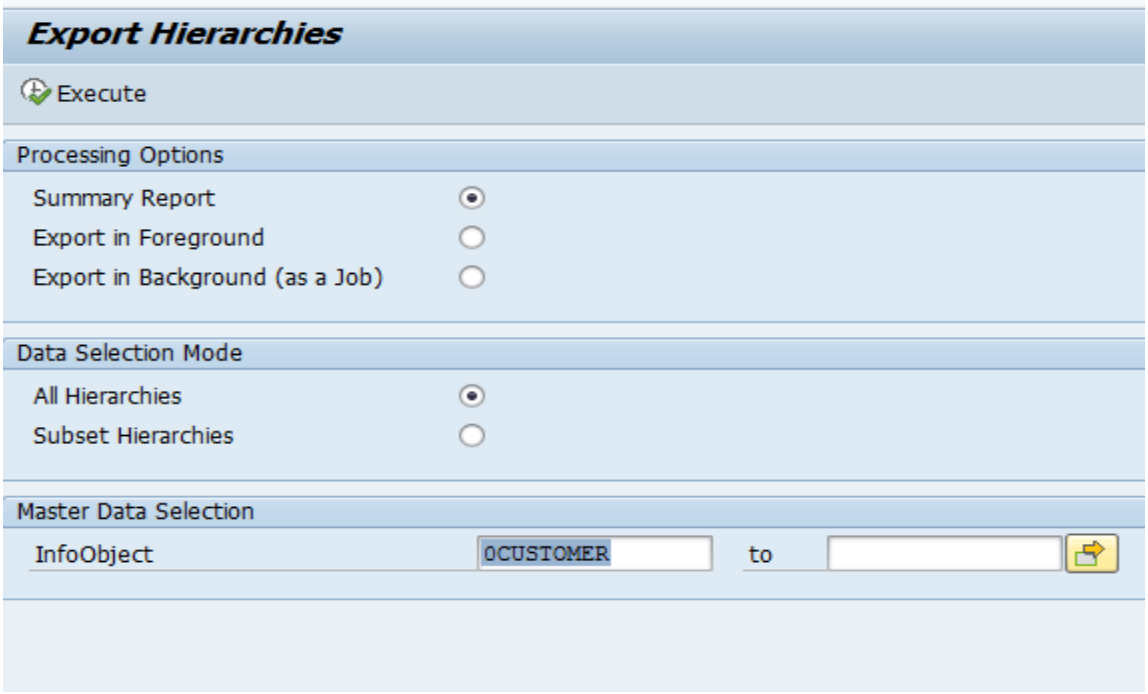
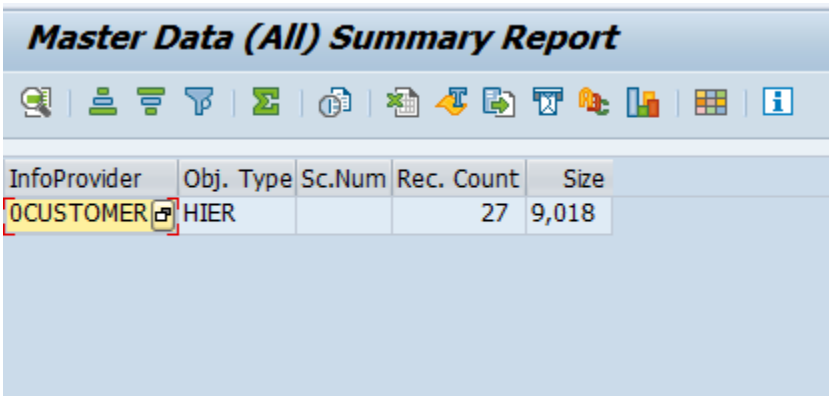


Figure 1.2.0



In the example above, all master data Hierarchies for InfoObject 0CUSTOMER are 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.
Figure 1.2.1



Export Processing Options

The user has three processing options see (Figure 1.2.0)

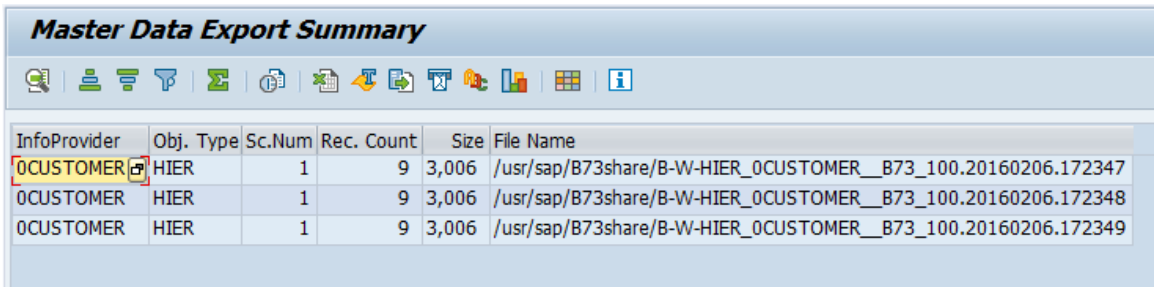
Summary Report Only:

When "Summary Report Only" is selected, a report details the export without actually exporting the data. This is selected by default.

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. 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 1.2.2



This contains information about the

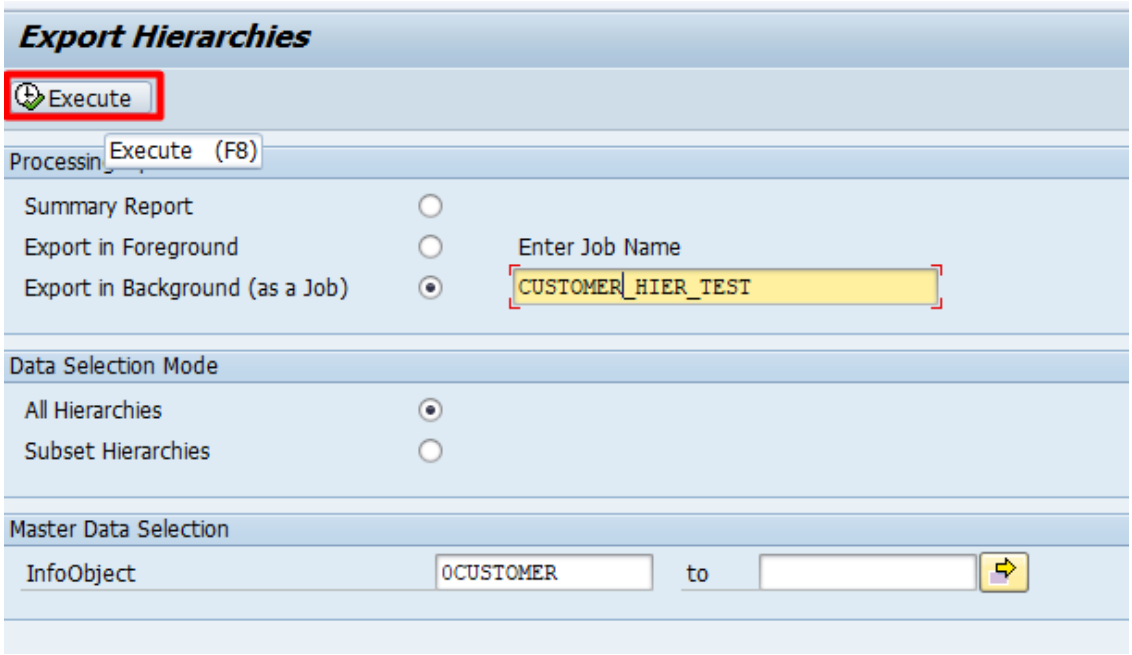
- InfoObject being exported
- Object Type (Hierarchies in this example)
- Scenario number if any (relevant only for subset of data)
- Number of records
- File size in bytes
- File name

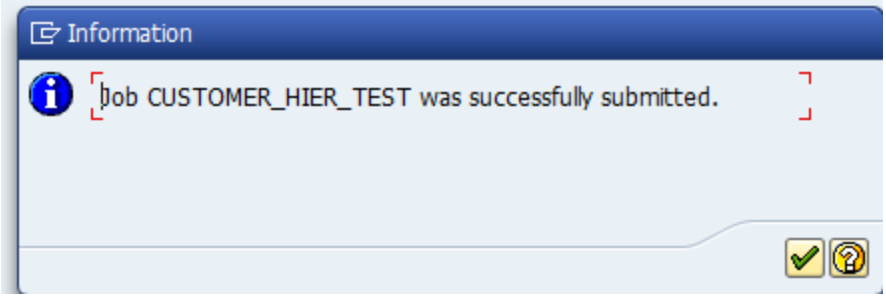
Export in Background (as a Job):

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.

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.

Figure 1.2.3





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 1.2.4

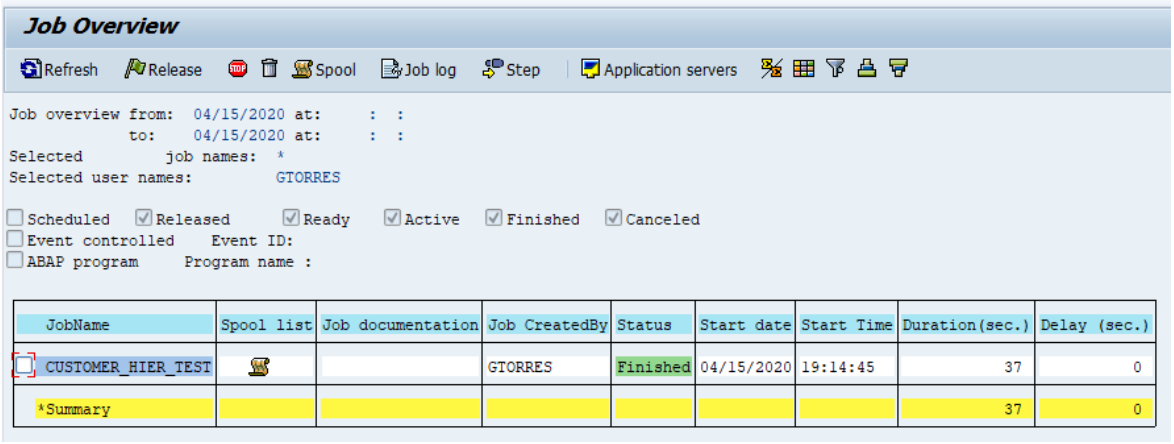
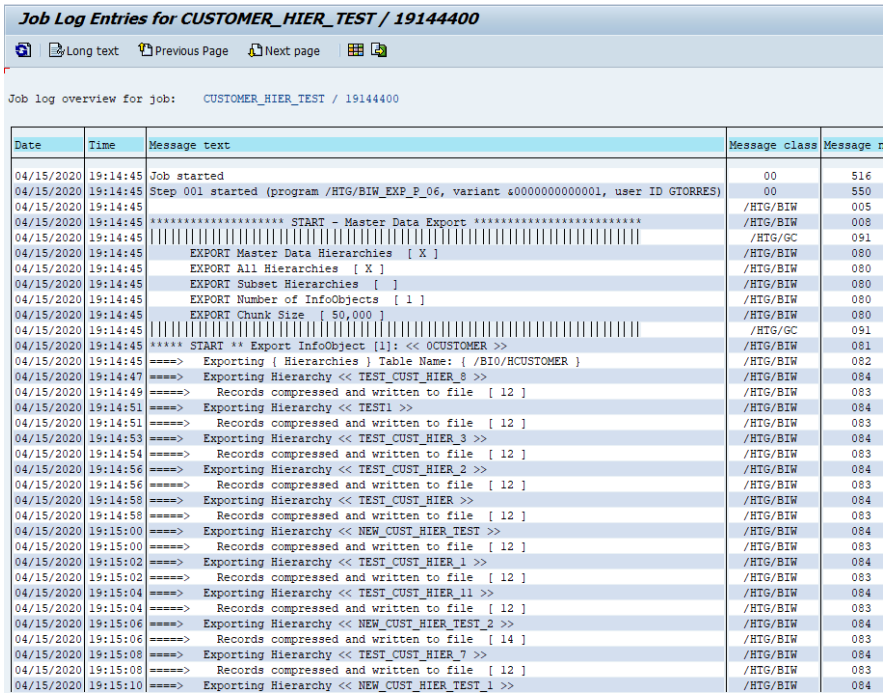


Figure 1.2.5



Job Log Entries for CUSTOMER_HIER_TEST / 19144400

Long text | Previous Page | Next page

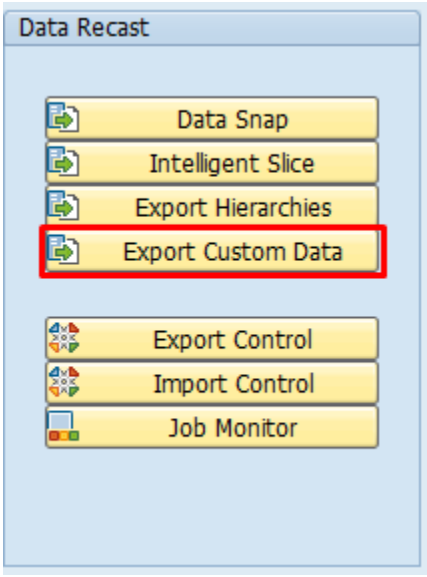
Job log overview for job: CUSTOMER_HIER_TEST / 19144400

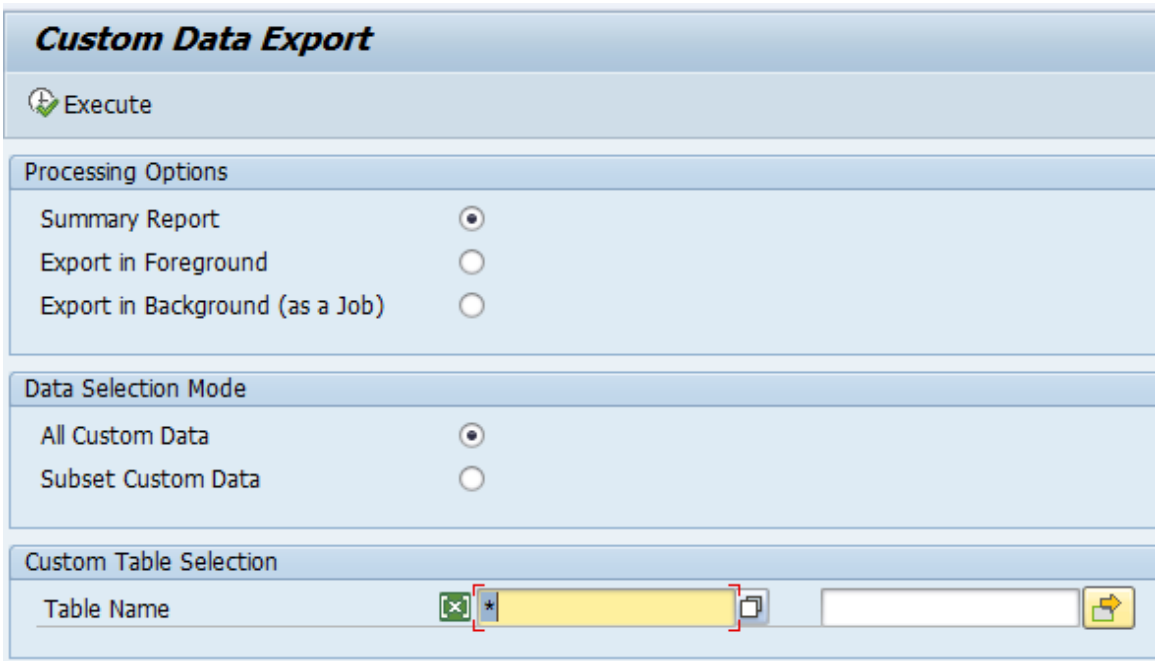
Date	Time	Message text	Message class	Message n
04/15/2020	19:14:45	Job started	00	516
04/15/2020	19:14:45	Step 001 started (program /HTG/BIW_EXP_P_06, variant &0000000000001, user ID GTORRES)	00	550
04/15/2020	19:14:45		/HTG/BIW	005
04/15/2020	19:14:45	********** START - Master Data Export **********	/HTG/BIW	008
04/15/2020	19:14:45	|||\

Export Custom Data

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

Figure 1.2.6





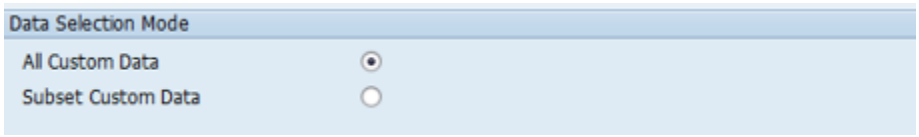
The Custom Data Export selection screen provides the options and selections for exporting custom data belonging to Z-tables.

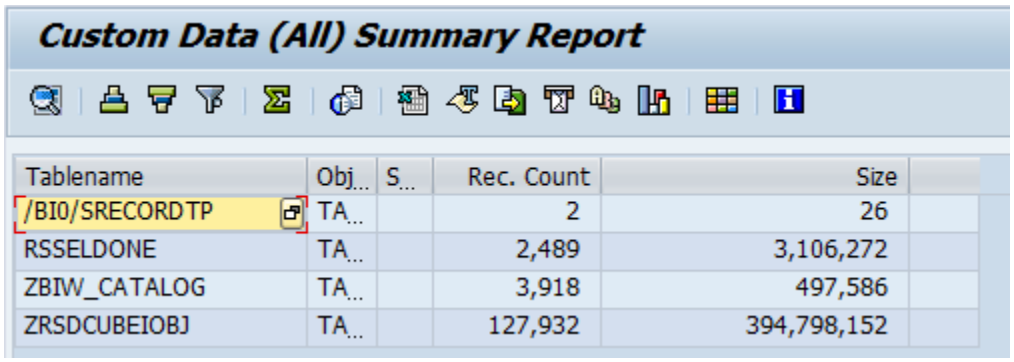
***NOTE**: Custom Table Configuration Utility found under the Utilities button will need to be executed before Custom Data Table exports can occur. Only those entries which are included in this table will be shown in the F4 list of Custom data export. It is not possible to export data for any custom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

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.

Figure 1.2.7

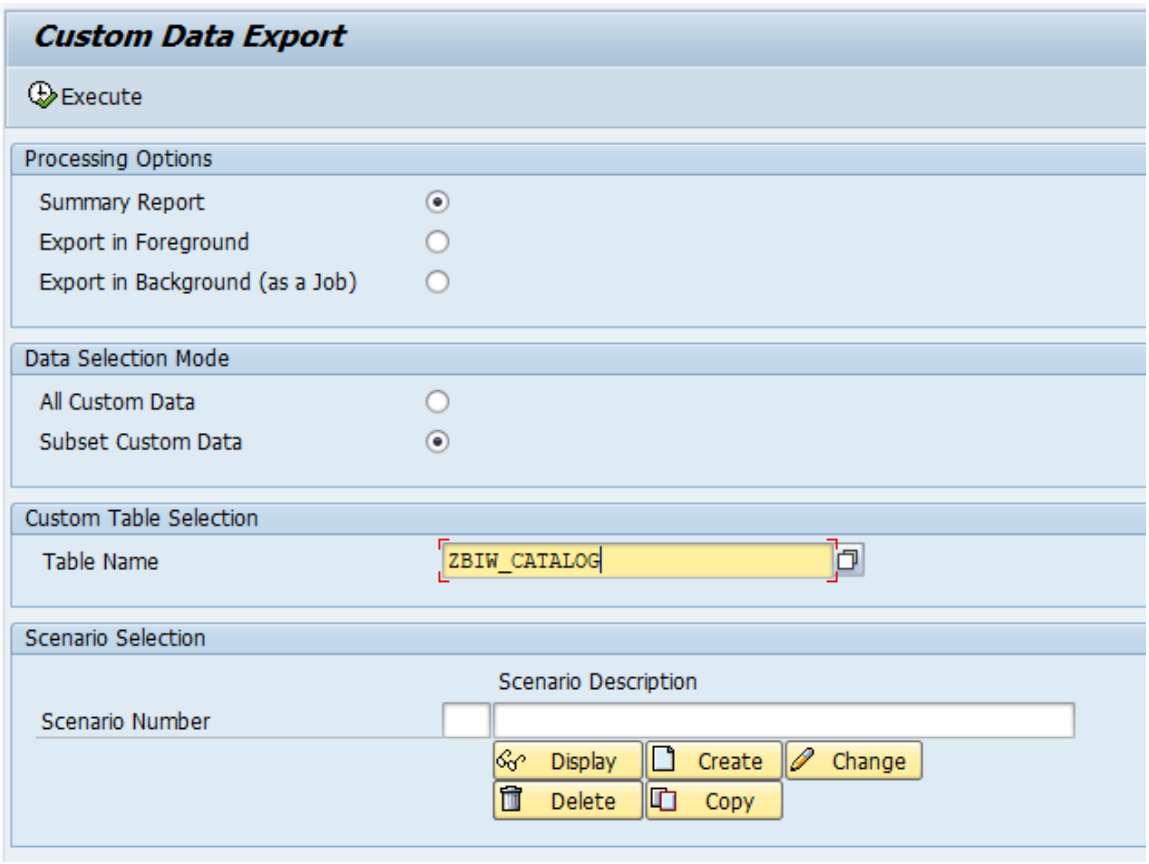




Subset of Custom Data:

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.

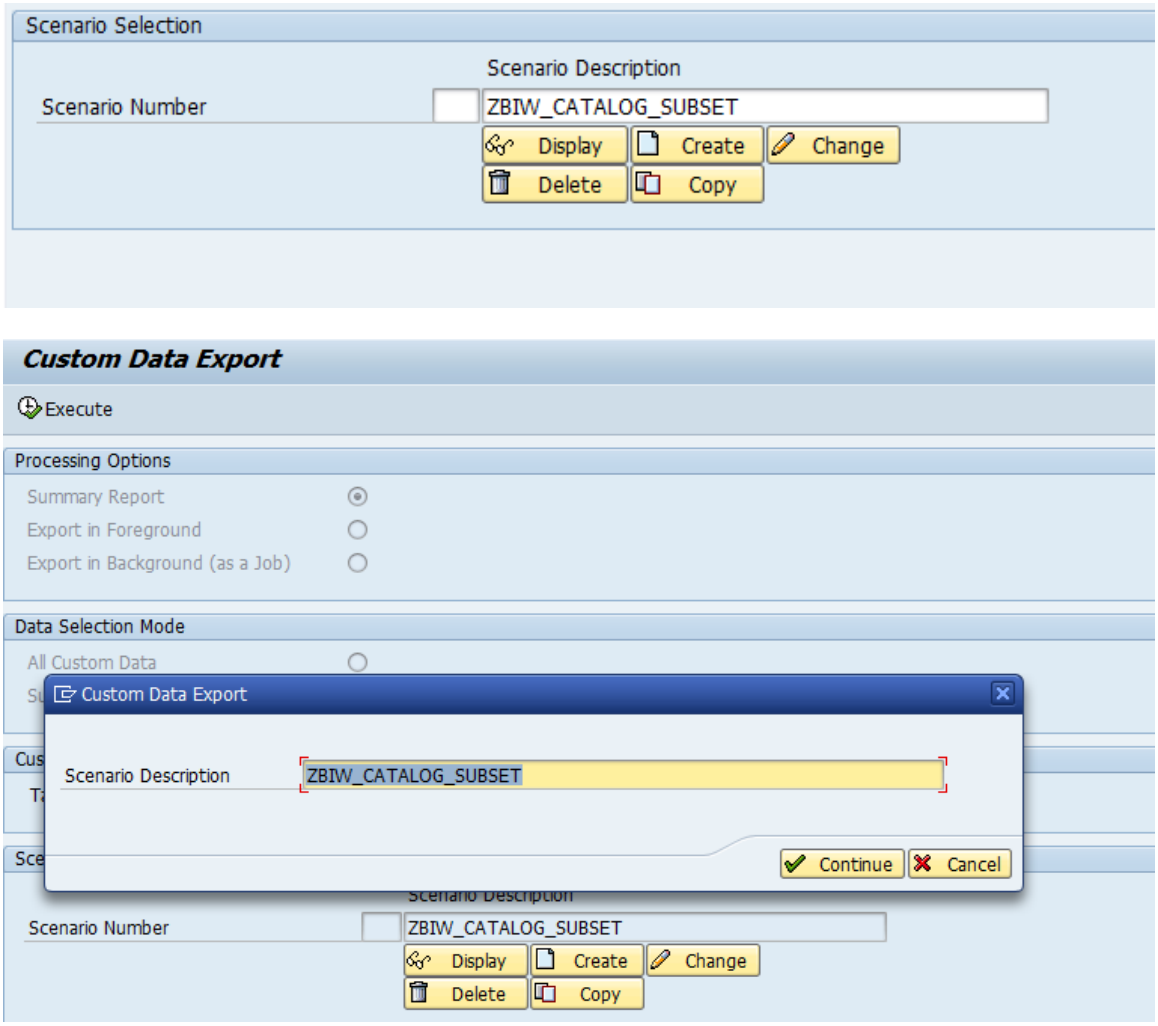
Figure 1.2.8



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 "Continue" 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 "Continue" button

Figure 1.2.9



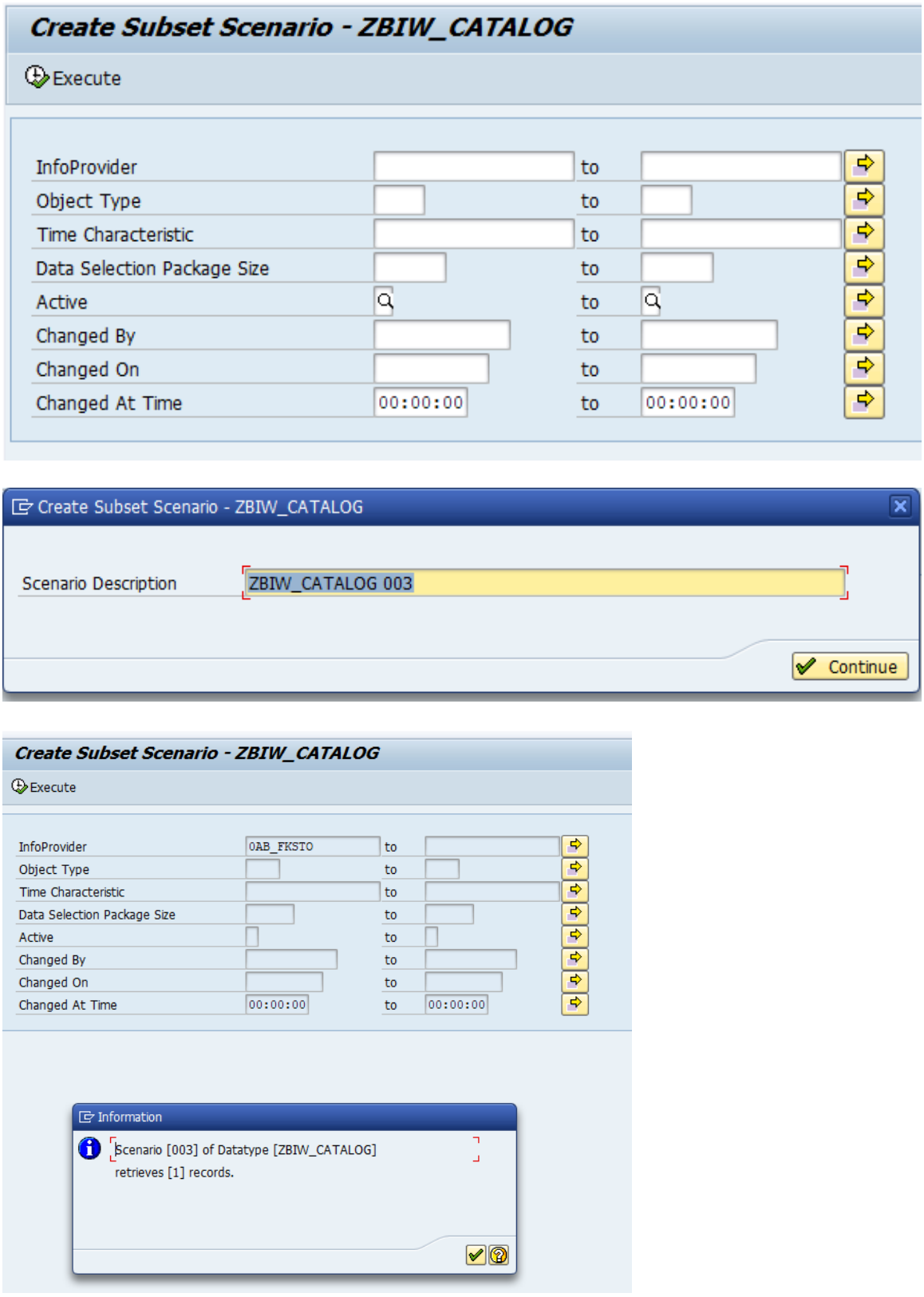
The next screen will present a list of all fields belonging to Z-table.

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.Once created, the scenarios can be displayed, changed, deleted or copied to another scenario by selecting the appropriate buttons
(See figures 1.2.9)

Figure 1.2.10


Create Subset Scenario - ZBIW_CATALOG
Execute
InfoProvider
Object Type
Time Characteristic
Data Selection Package Size
Active
Changed By
Changed On
Changed At Time
00:00:00
to
Create Subset Scenario - ZBIW_CATALOG
Scenario Description
ZBIW_CATALOG 003
Continue
Create Subset Scenario - ZBIW_CATALOG
Execute
InfoProvider
0AB_FKSTO
Object Type
Time Characteristic
Data Selection Package Size
Active
Changed By
Changed On
Changed At Time
00:00:00
to
Information
Scenario [003] of Datatype [ZBIW_CATALOG]
retrieves [1] records.

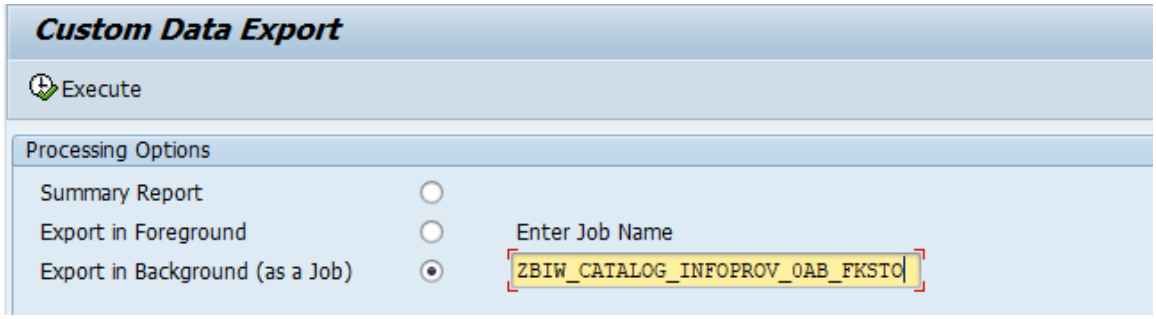
Export Processing Options

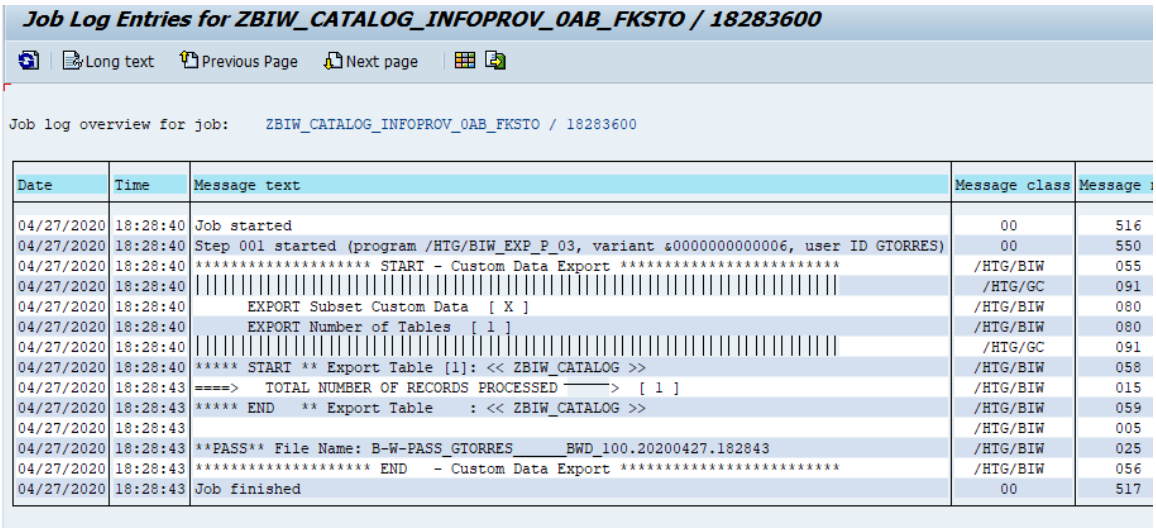
The user has three processing options:

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

Once user executes the job can be monitored via SM37 or by going to the Gold Client BW main screen and pressing the Job Monitor icon. (In this case we executed in background see figure 1.3.0)

Figure 1.3.0





Export Control

This Functionality enables the user to export master and transaction data to a target system. The data can be from a single or multiple InfoProviders and can also be full load or a time slice of data.

Figure 1.3.1

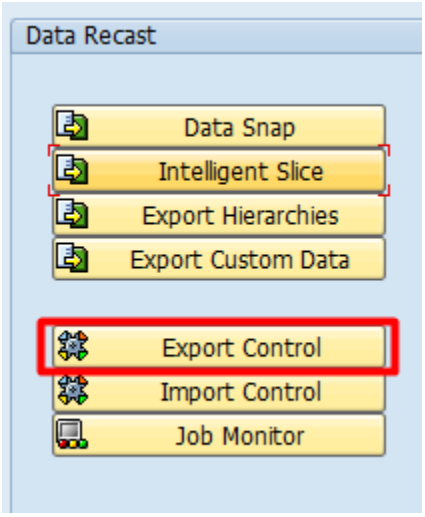
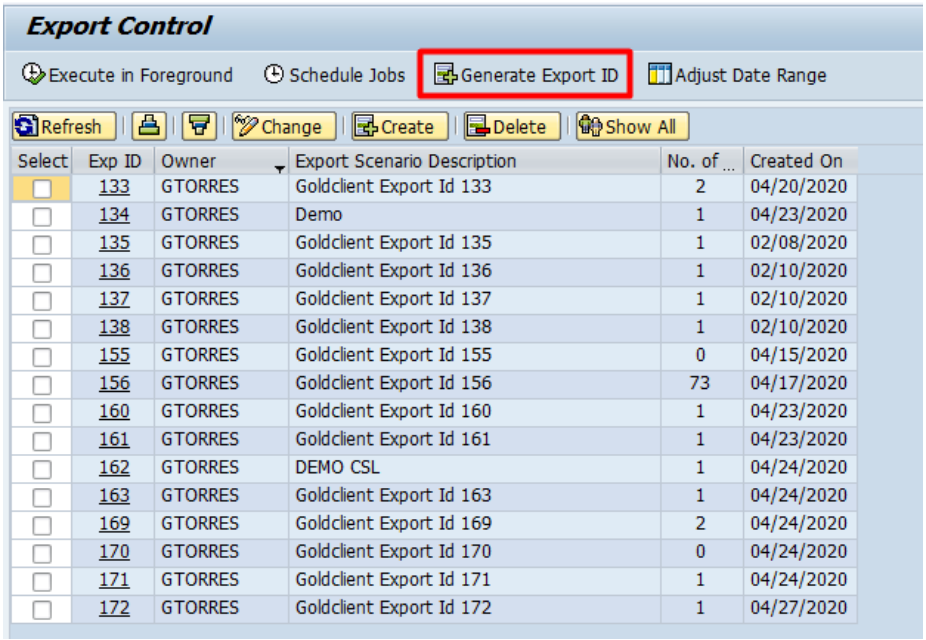


Figure 1.3.2

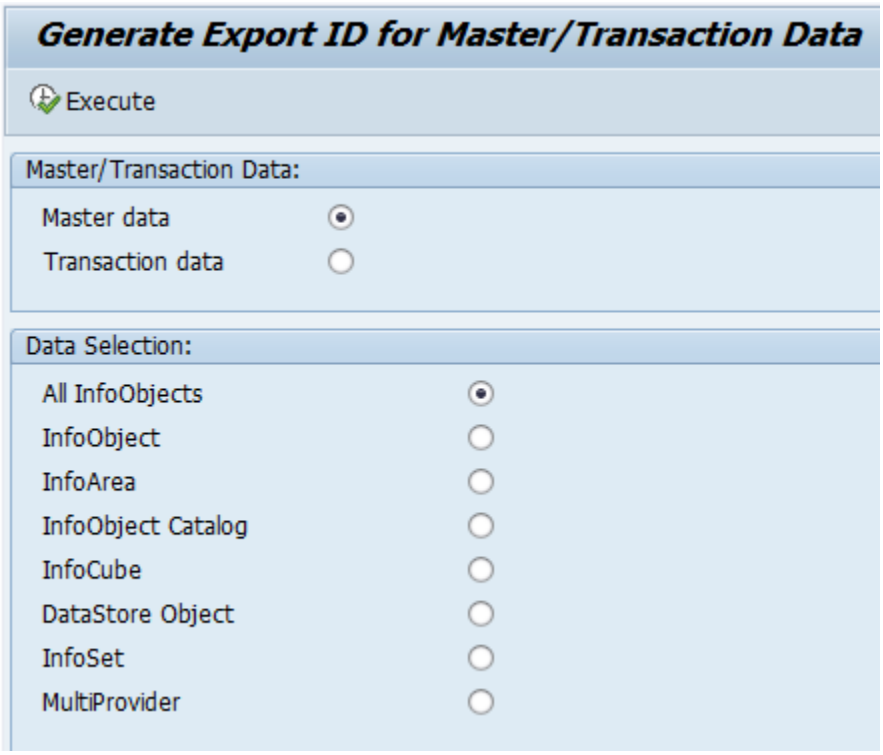


Select	Exp ID	Owner	Export Scenario Description	No. of ...	Created On
☐	133	GTORRES	Goldclient Export Id 133	2	04/20/2020
☐	134	GTORRES	Demo	1	04/23/2020
☐	135	GTORRES	Goldclient Export Id 135	1	02/08/2020
☐	136	GTORRES	Goldclient Export Id 136	1	02/10/2020
☐	137	GTORRES	Goldclient Export Id 137	1	02/10/2020
☐	138	GTORRES	Goldclient Export Id 138	1	02/10/2020
☐	155	GTORRES	Goldclient Export Id 155	0	04/15/2020
☐	156	GTORRES	Goldclient Export Id 156	73	04/17/2020
☐	160	GTORRES	Goldclient Export Id 160	1	04/23/2020
☐	161	GTORRES	Goldclient Export Id 161	1	04/23/2020
☐	162	GTORRES	DEMO CSL	1	04/24/2020
☐	163	GTORRES	Goldclient Export Id 163	1	04/24/2020
☐	169	GTORRES	Goldclient Export Id 169	2	04/24/2020
☐	170	GTORRES	Goldclient Export Id 170	0	04/24/2020
☐	171	GTORRES	Goldclient Export Id 171	1	04/24/2020
☐	172	GTORRES	Goldclient Export Id 172	1	04/27/2020

To export data using the “Generate Export ID” functionality user has to first generate an Export ID as shown above.

Once user clicks on 'GENERATE EXPORT ID" highlighted in Figure 1.3.2 a new page appears as seen below Figure 1.3.3 where user selects master or transaction data and the type of info provider they want to export it from.

Figure 1.3.3



Note: *for master data, attributes and text are automatically exported. It is only for hierachies that it can be exported separately*.

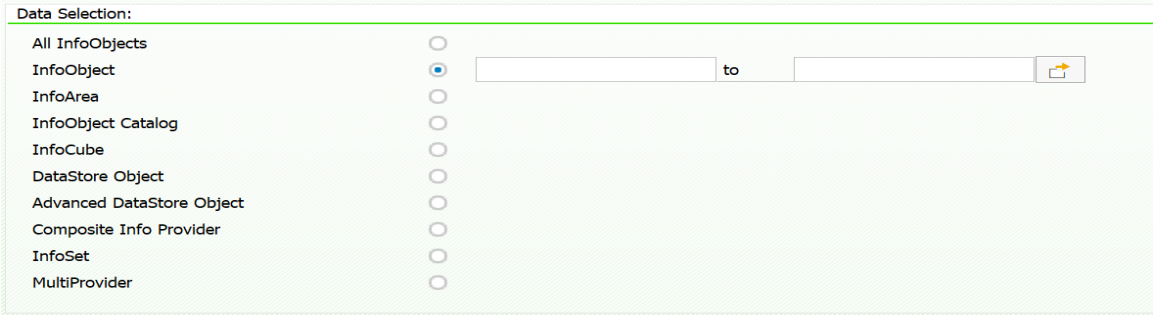
Export Master Data

Users can select the master data they want to export by choosing the options on the Master Data Export screen.

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

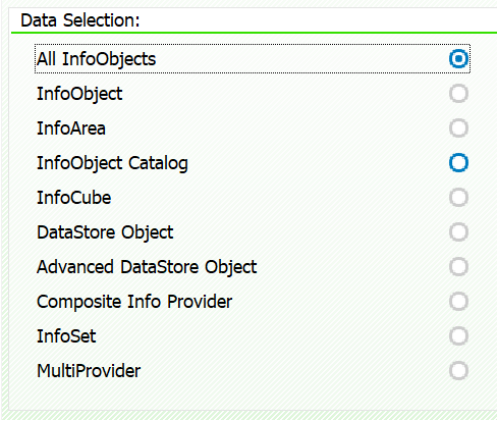
- All InfoObjects
- InfoObject
- InfoArea
- InfoObject Catalog
- InfoCube
- DSO
- ADSO
- InfoSet
- MultiProvider
- Composite Info Provider

Figure 1.3.4



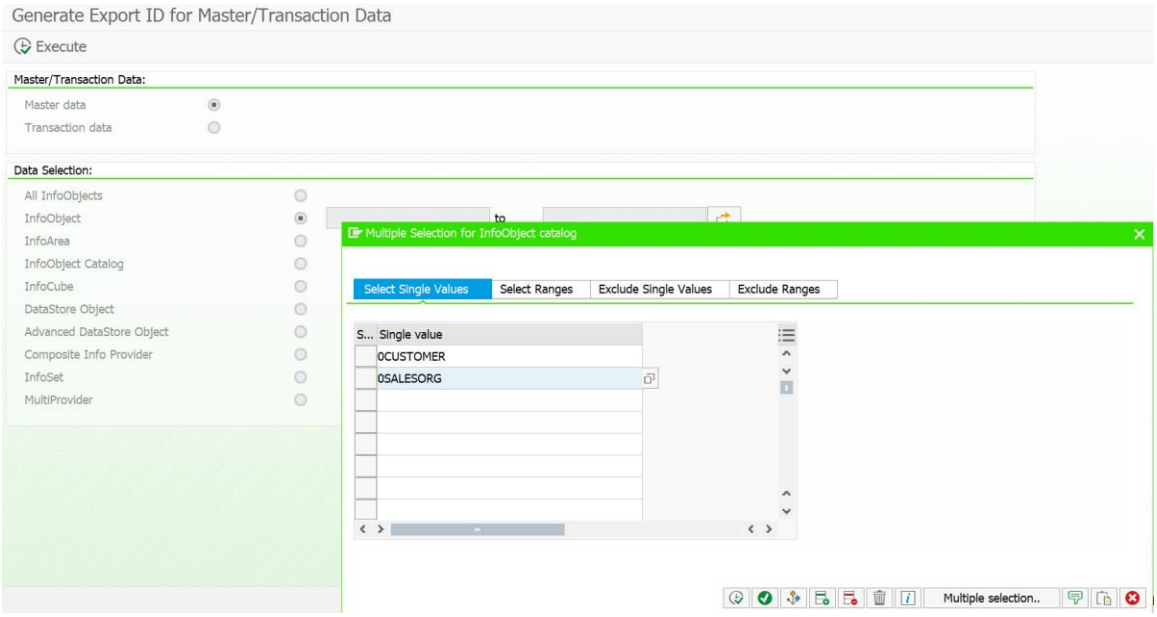
All InfoObjects selection will enable the user to simulate and/or export all the master data objects existing in the source system (Note: This selection method may take considerable time for systems with large numbers of master data providers).

Figure 1.3.5



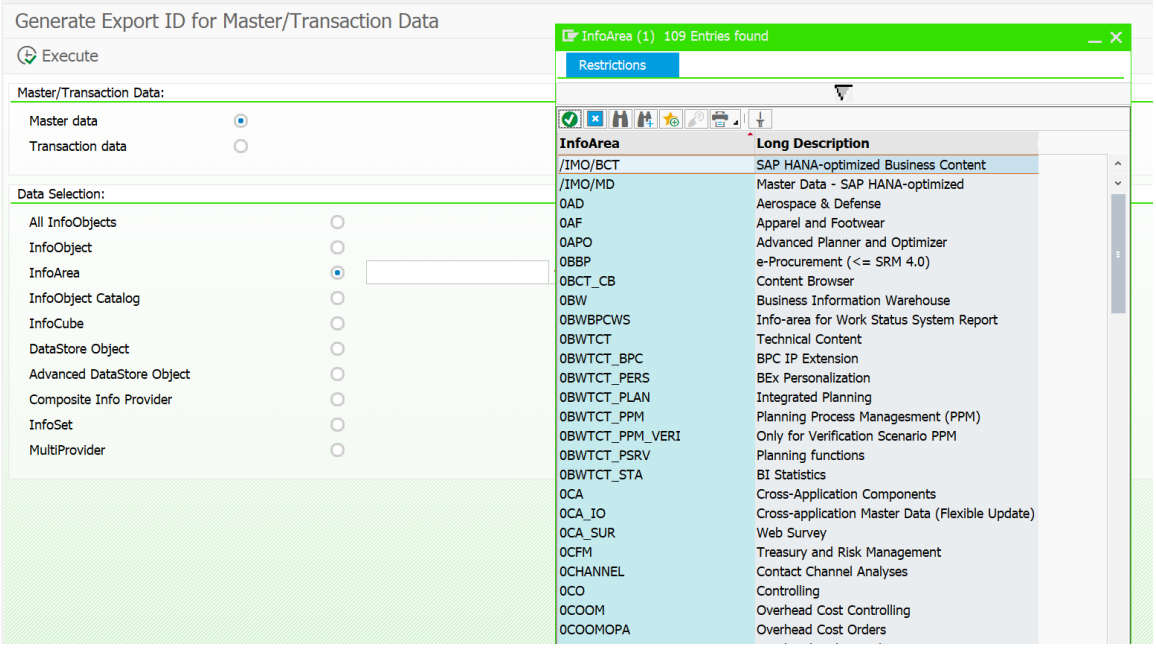
InfoObject selection will enable the user to select one particular InfoObject, a range of InfoObjects, multiple InfoObjects as well as exclude certain InfoObjects as needed.

Figure 1.3.6



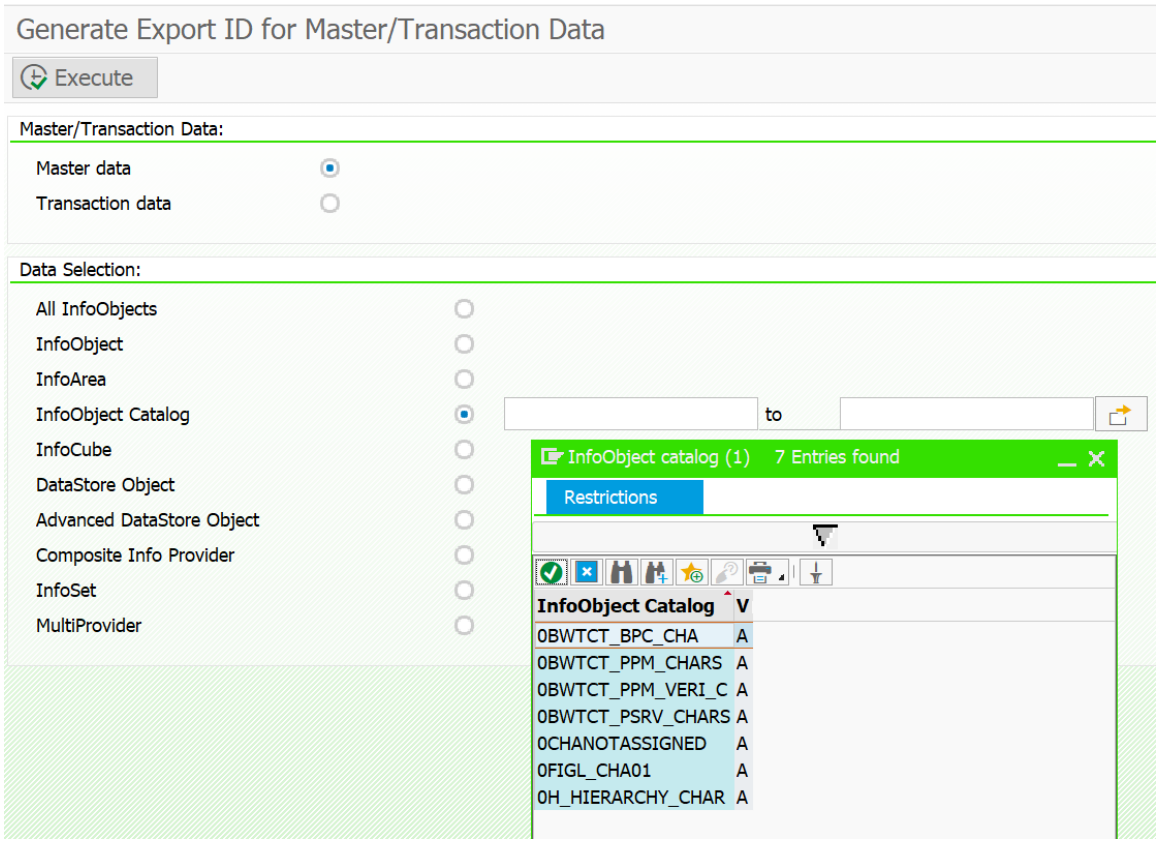
InfoArea selection will enable the user to select the master data for InfoObjects belonging to an InfoArea. The user can either manually type in the InfoArea or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are also available.

Figure 1.3.7



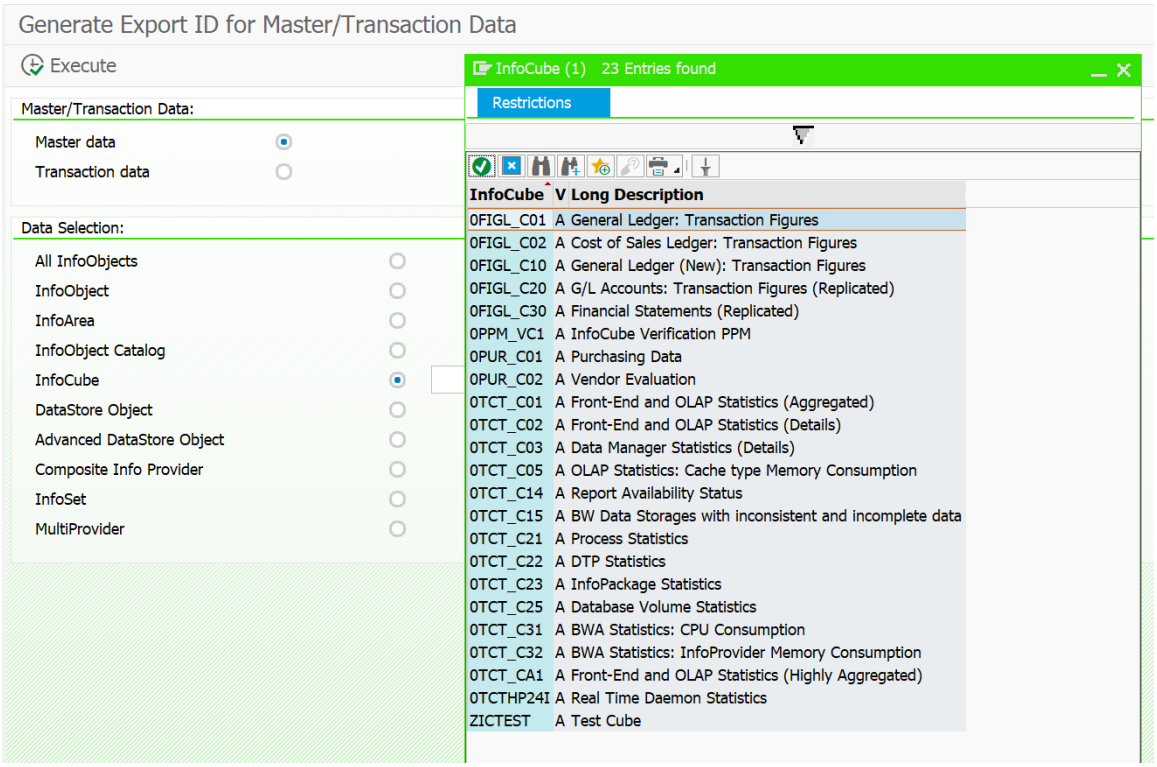
InfoObject Catalog selection will enable the user to select the master data for InfoObjects belonging to an InfoObject Catalog. The user can either manually type in the InfoObject Catalog or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions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

Figure 1.3.8



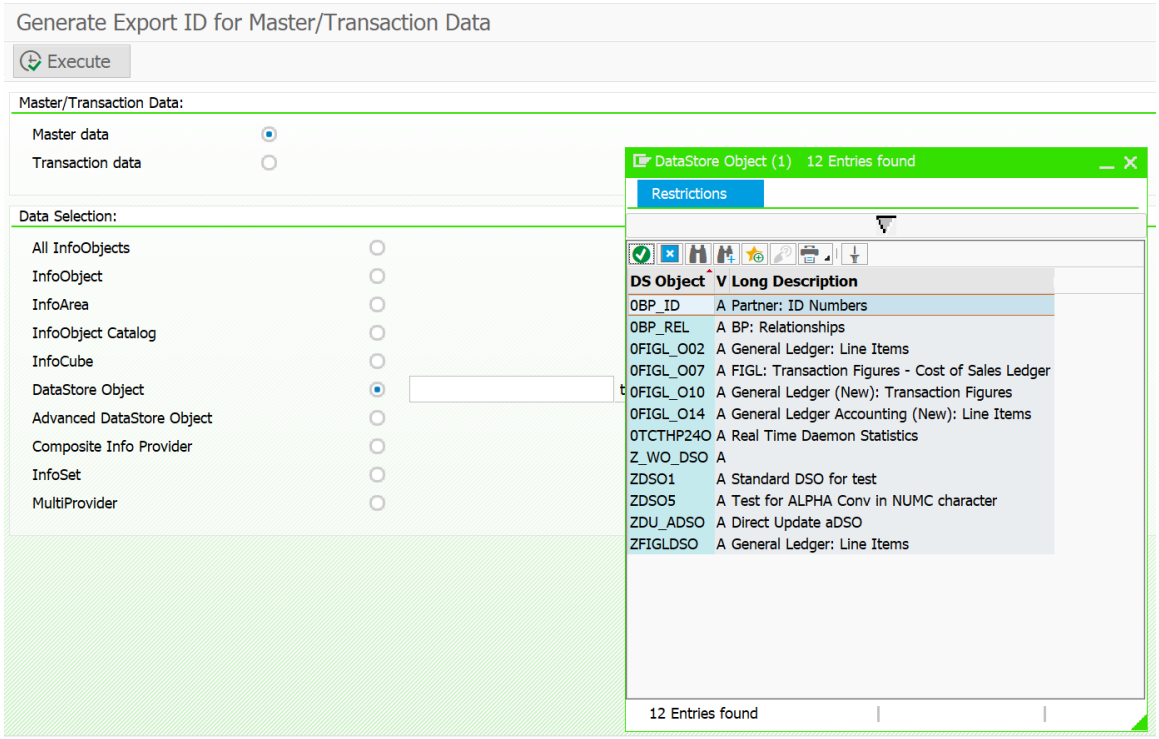
InfoCube selection will enable the user to select the master data for InfoObjects belonging to an InfoObject Catalog. The user can either manually type in the InfoCube or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are also available.

Figure 1.3.9

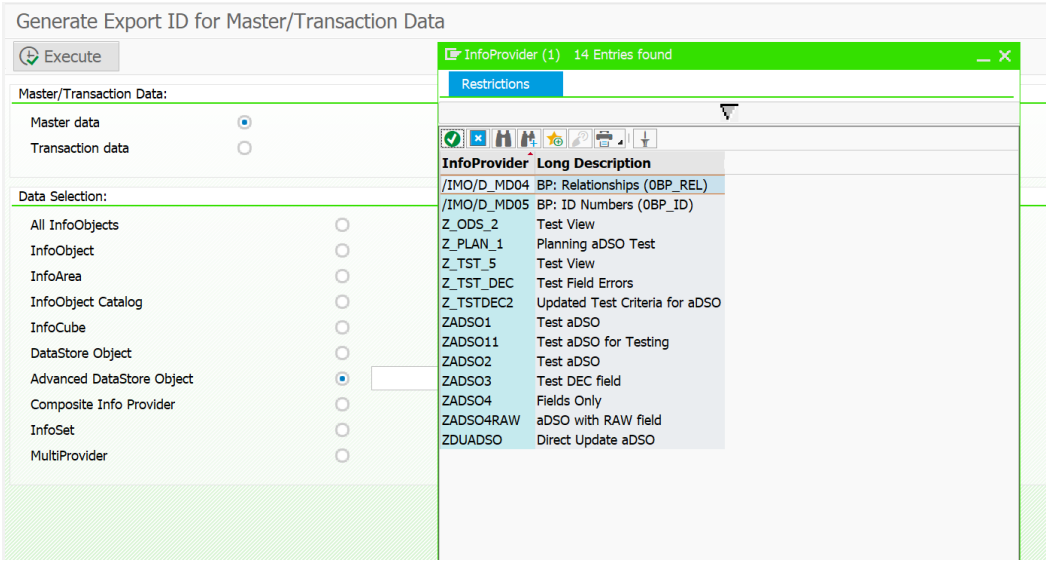


DSO selection will enable the user to select the master data for Info Objects belonging to a DSO. The user can either manually type in the DSO name or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are also available.

Figure 1.3.10

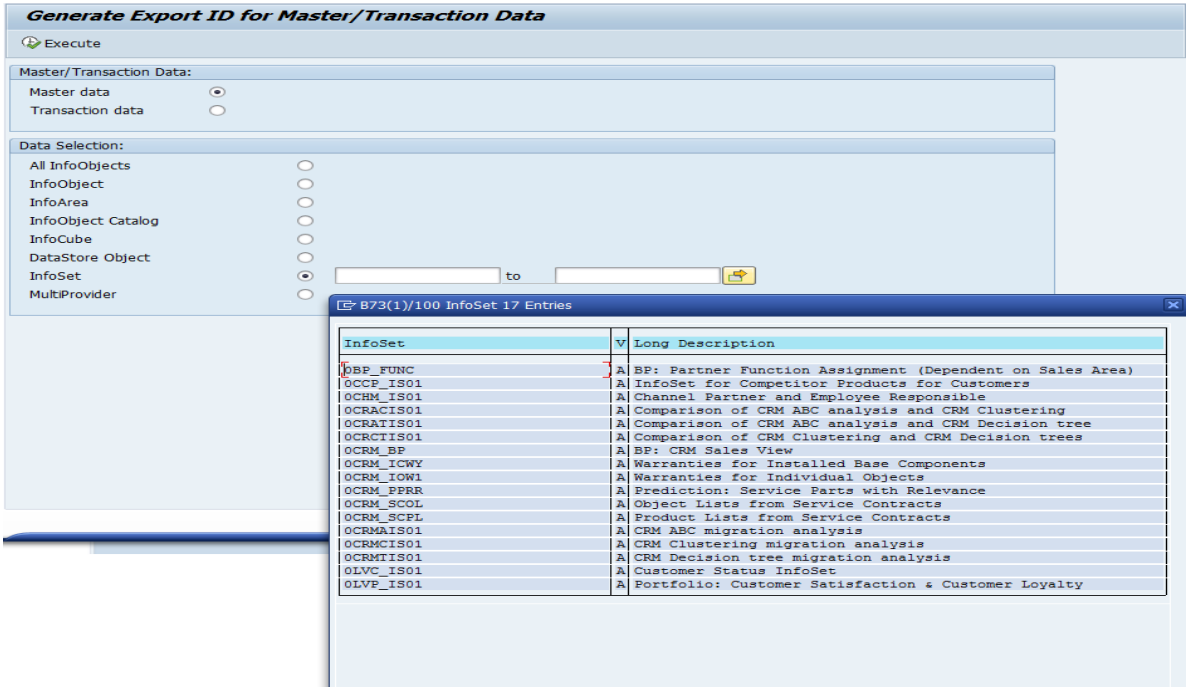


ADSO selection will enable the user to select the master data for Info Objects belonging to a ADSO. The user can either manually type in the ADSO name or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are also available.



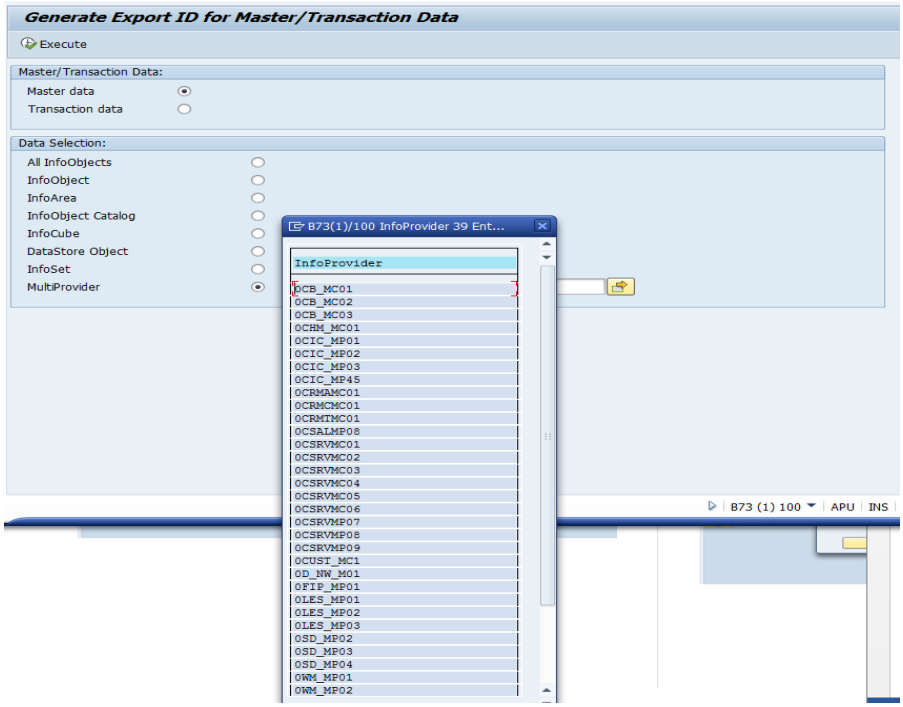
InfoSet selection will enable the user to select the master data for Info Objects belonging to an InfoSet. The user can either manually type in the InfoSec name or select one from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

Figure 1.4.0

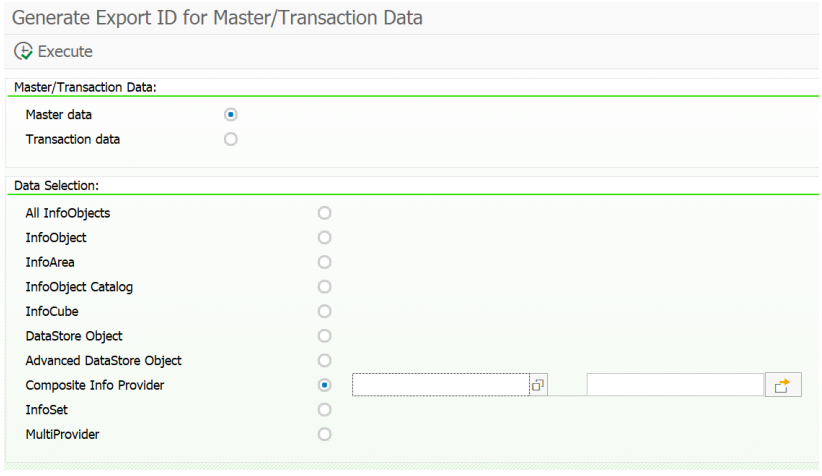


MultiProvider selection will enable the user to select the master data for all Info Objects belonging to a MultiProvider (essentially, the InfoCubes/DSO/InfoObjects that form the MultiProvider). The user can either manually type in the MultiProvider name or select one from the F4 drop-down menu. All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

Figure 1.4.1



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

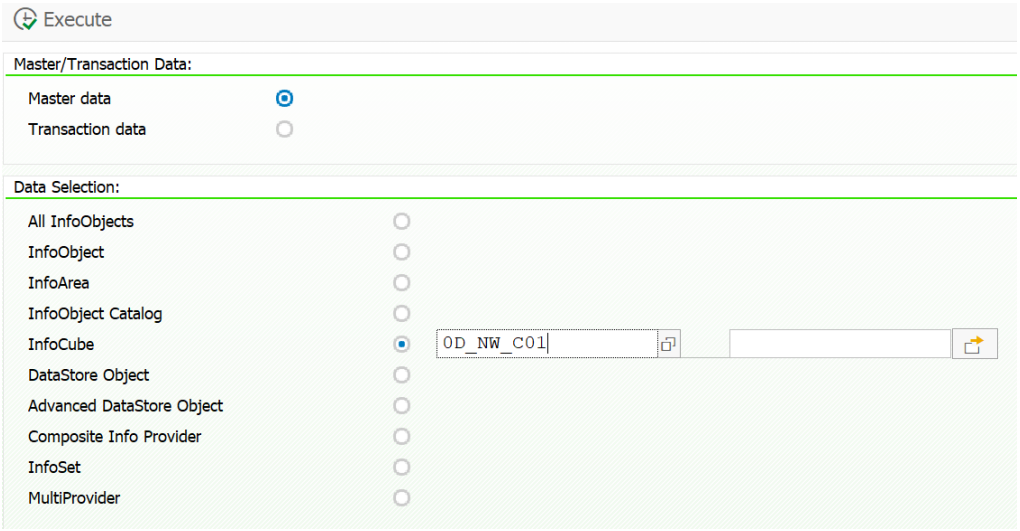


Export Details

After selecting the type of data (master or transaction data) and the info provider being exported click on execute.

In our example we are exporting master data from an InfoCube as seen below (Figure 1.4.2)

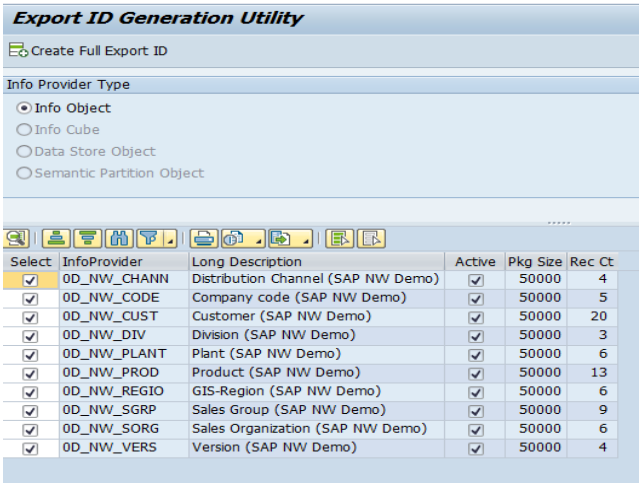
Figure 1.4.2



A detail summary pop's up showing the detail of the InfoProvider (Cube) you are exporting where you can select the InfoObjects that you want to export for that cube as master data.

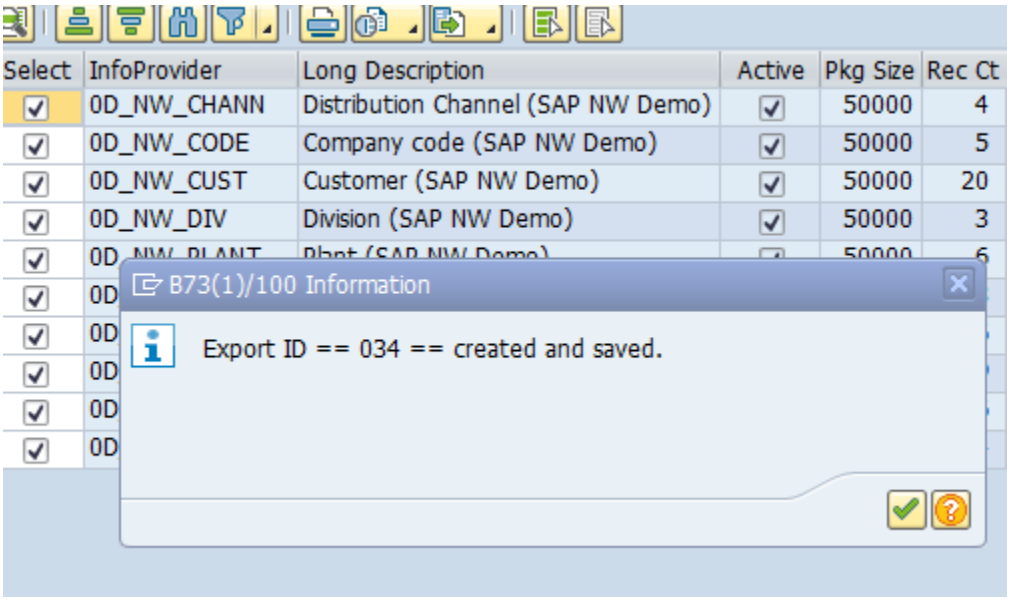
Upon making your selection user has to CREATE FULL EXPORT ID see (Figure 1.4.3)

Figure 1.4.3



User gets a pop up screen showing and confirming the export ID has been created and saved.

Figure 1.4.5

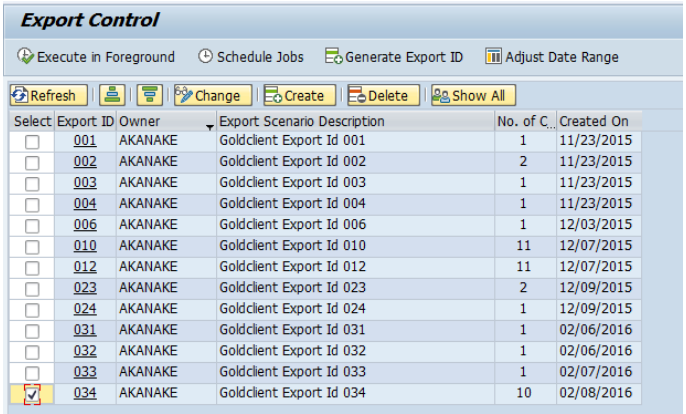


Confirm by clicking on the checked button and go back to previous page. User should be able to see the new export id with details below:

- Export ID
- Owner of the export
- Export Scenario Description
- Number of containers that the export has.
- Date created.

Use can select the export ID and execute the export to run in foreground or schedule the job (run in background).

Figure 1.4.6



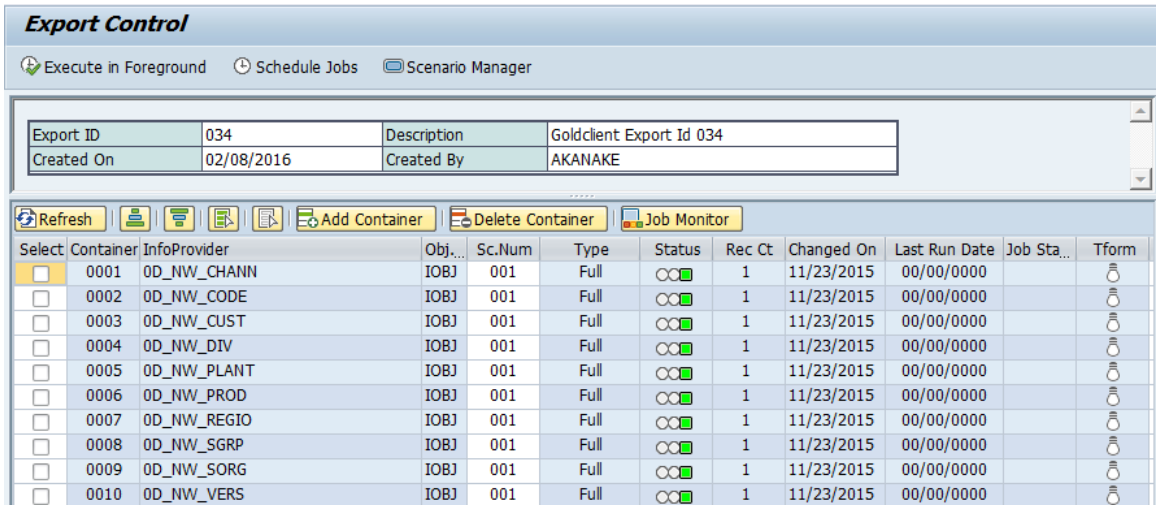
Select Export ID

In Figure 1.4.6 above we can see the export ID we created (034). Select the underlined export ID and the actual container(s), included in the export ID are displayed showing the details below in Figure 1.4.7:

- Container Number
- InfoProvider name
- Object type (InfoObject, Cube, DSO)
- Scenario number
- Type of Load (Full/Time Slice/Subset…)
- Status
- Record count (1 means initial export not yet completed)
- Date changed
- Last run Date
- Transformations (This applies to master data and if any of the info provider does have transformation then the bulb will have amber color.

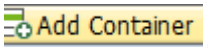
User has the option to select all or a specific containers and execute the job in foreground or schedule Job to run in the background.

Figure 1.4.7



Note: *Export ID can hold a single or multiple containers and can be of one object type or multiple object types. It could also hold multiples scenario numbers indicating the type of load that container has. Scenario number 1 will always be for full load and any other number indicates custom scenario example time slice.*

Add Container

User may also add a container on the export ID by clicking on 

. In our previous topic, DATA SNAP, we created a scenario for 0CUSTOMER where we wanted to export customers only in the US refer to figure 5.1.3. We are going to add the scenario as a container to this export ID 034.

Click on Add Container and a new container number is added, asking user for the info provider. In our example its 0customer and hit enter. This automatically fills in the rest of the information and defaults to Scenario number 1 for type full load.

Figure 1.4.8

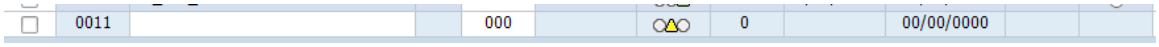
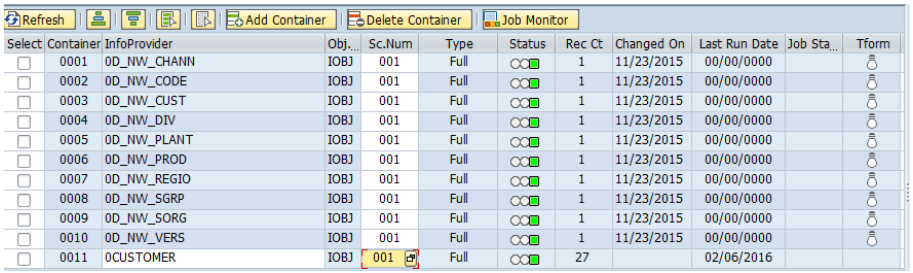
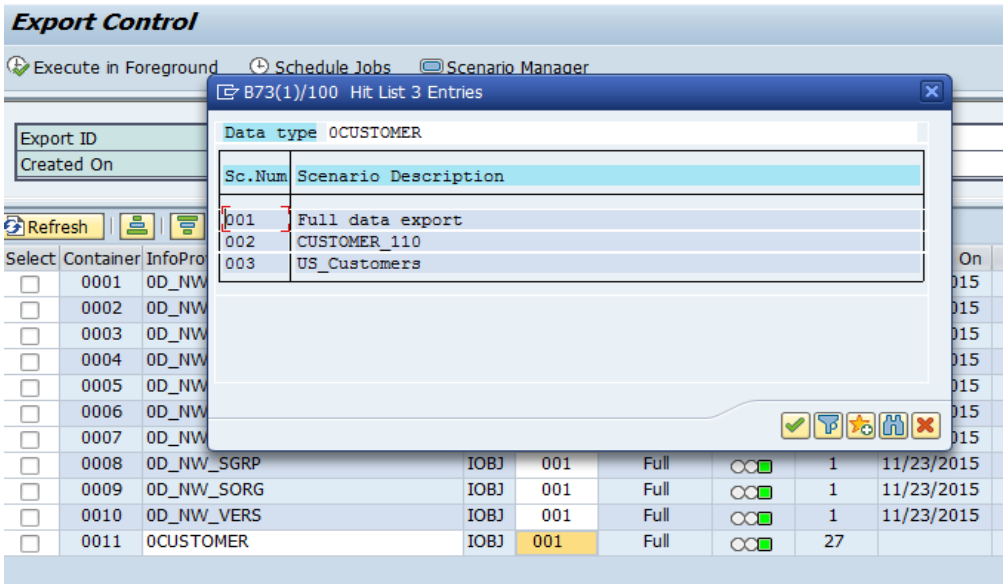


Figure 1.4.9



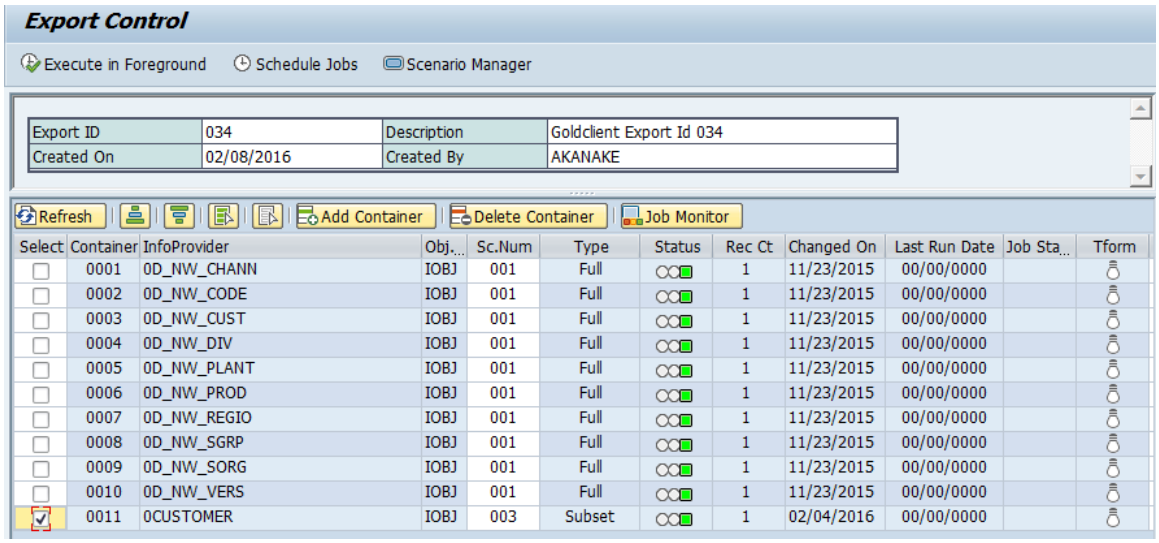
Select scenario number (SC.Num) on the newly added container and hit F4 on your keyboard. This populate the different scenario. Find the scenario (003 with description US_Customers)

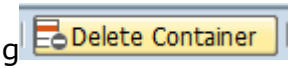
Figure 1.4.10



Select scenario and save, see (Figure 1.5.0) the Export ID is now ready for export.

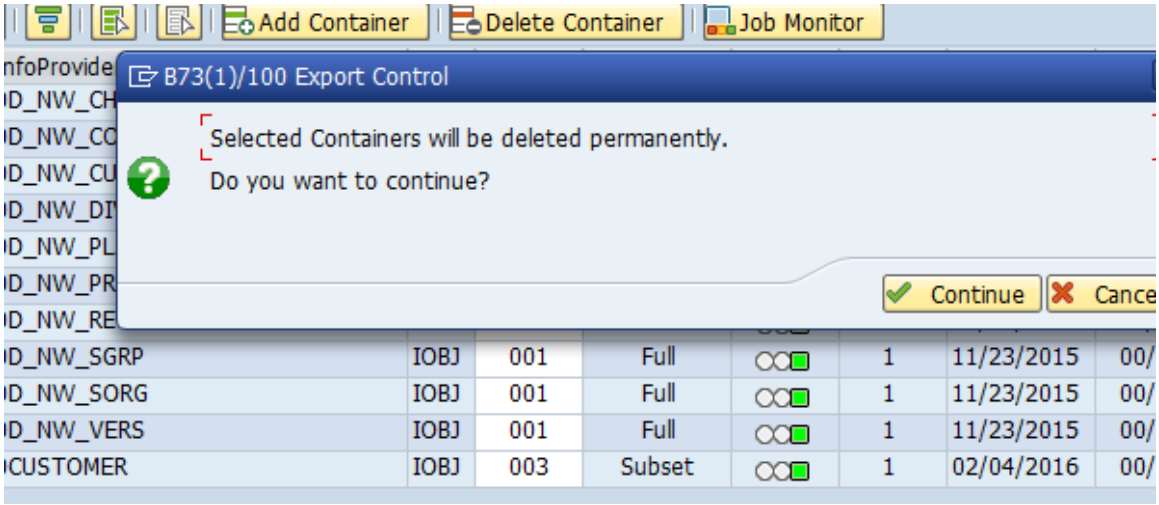
Figure 1.5.0

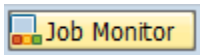


User can also to delete container by selecting 

. Simply select a container to be deleted and confirm deletion.

Figure 1.5.1



Job monitor is user to monitor the status running job and job log 

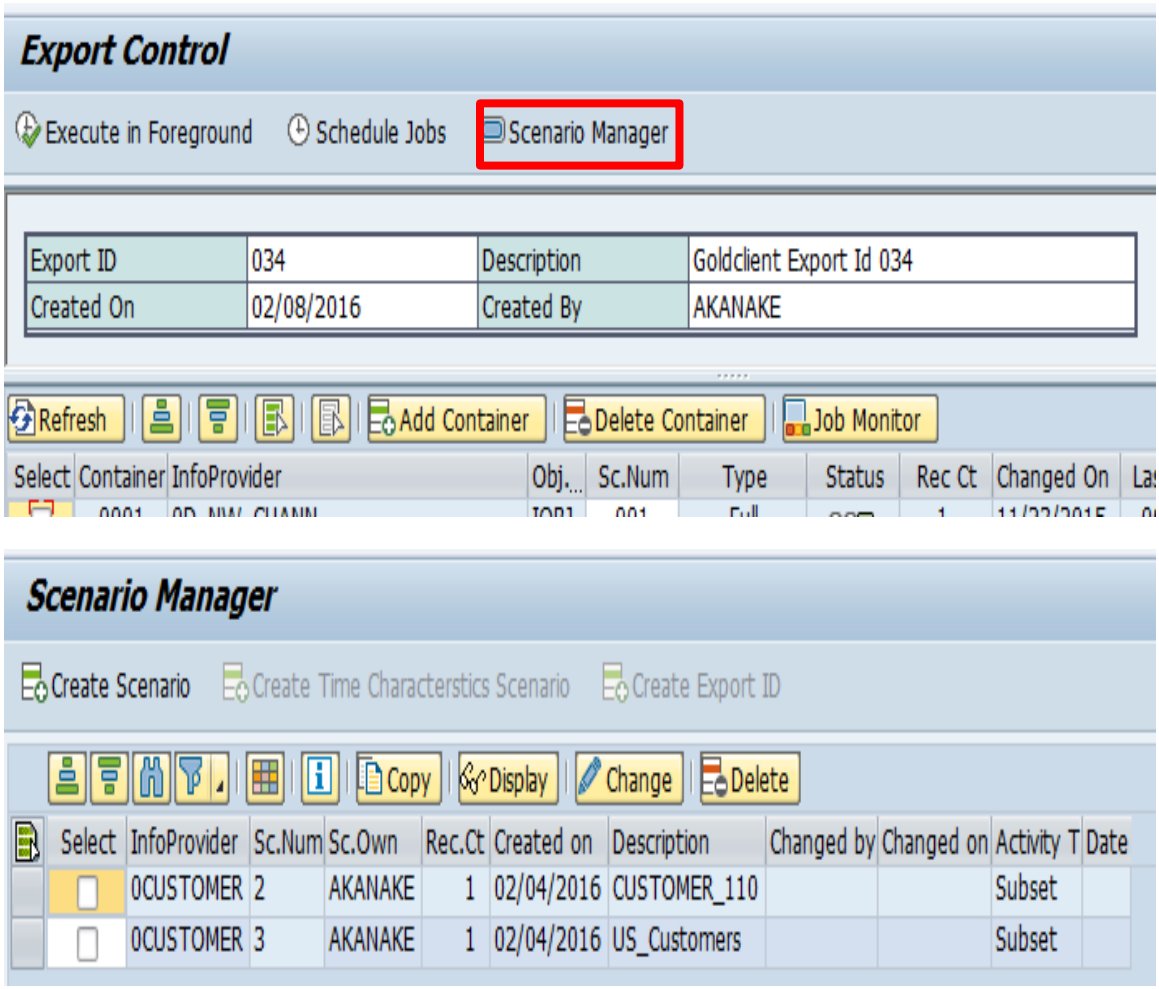
. Monitoring can also be achieved via Tcode SM37

Selection Scenarios for Master Data

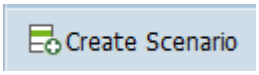
Scenarios are a core component for exporting subsets of data as they control which data is targeted for export.

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. Select scenario manager as shown in Figure 1.5.2

Figure 1.5.2



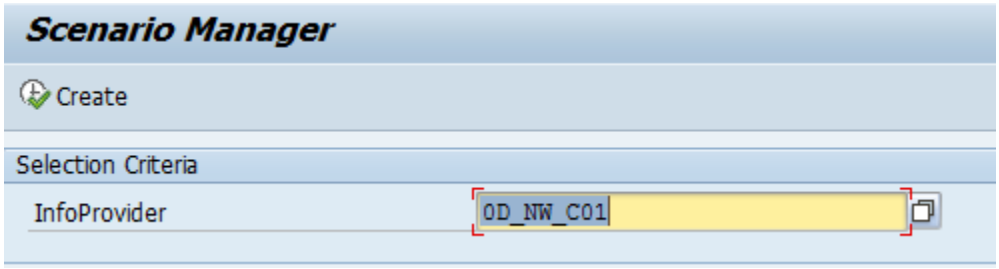
Create a Scenario

- Select 

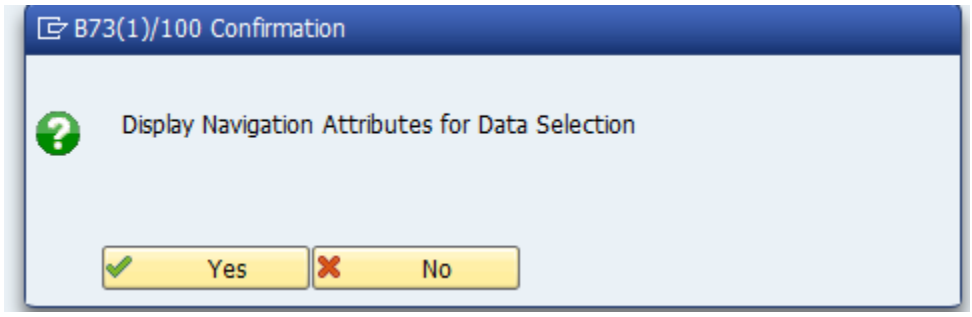
button.
- Input the info provider that you want to export and Select

.

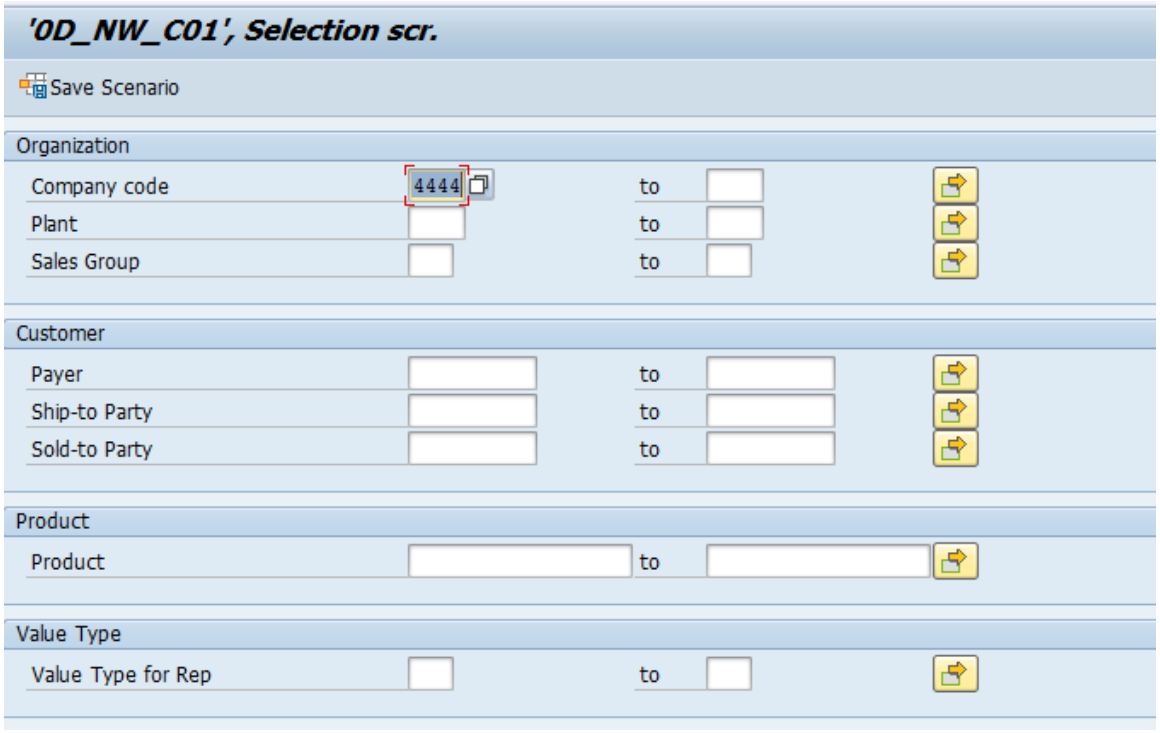
Figure 1.5.3



- Select whether you want to display the navigation attributes on your data selection

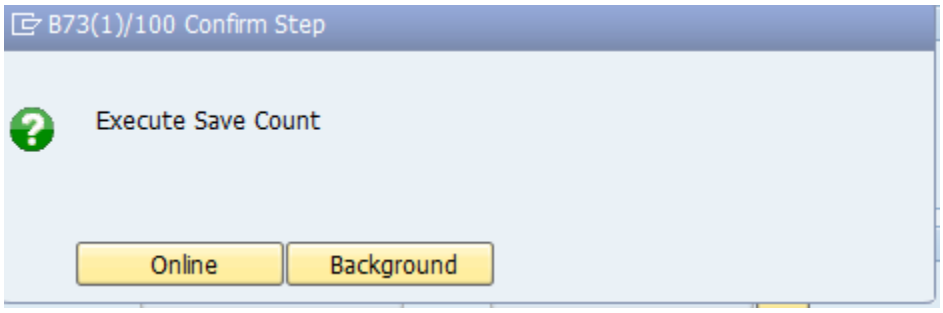


- Next, construct the Scenario by selecting/entering relevant entries. (in this case, since we want to subset the data by Company Code, we select the appropriate entries)

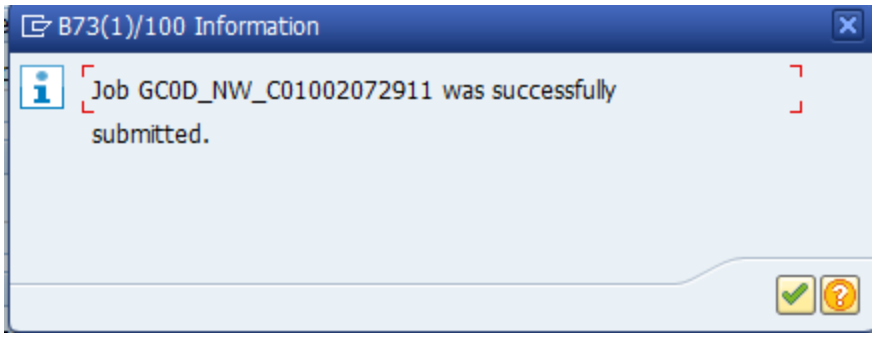


- Upon selecting Save the Scenario user is prompted for a scenario description. This helps in easily identifying the scenario.

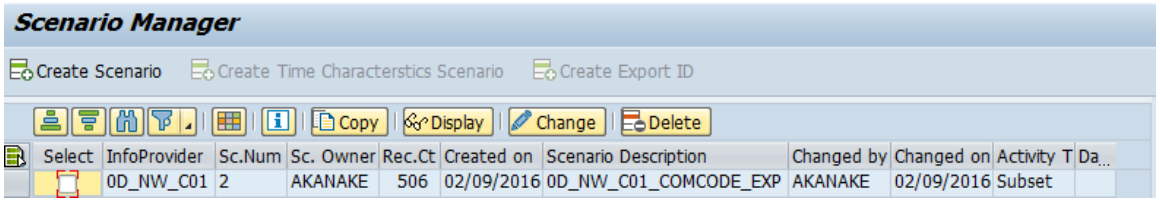
- Click on continue.
- User is prompted to "EXECUTE SAVE COUNT". Please be aware at this point that the execution is only doing selecting all objects in that info provider based on parameters user has chosen for the scenario and saving the record count. We highly recommend to use background if the data is huge and online (foreground) if the data is small.



- Any of the selections will prompt a confirmation, if submitted successful or if there was a problem



- User is taken back to the previous screen and is able to view the new scenario that was created.



Note: *The steps are the same for building scenarios for transactional data, the only difference is that transaction data is time based.*

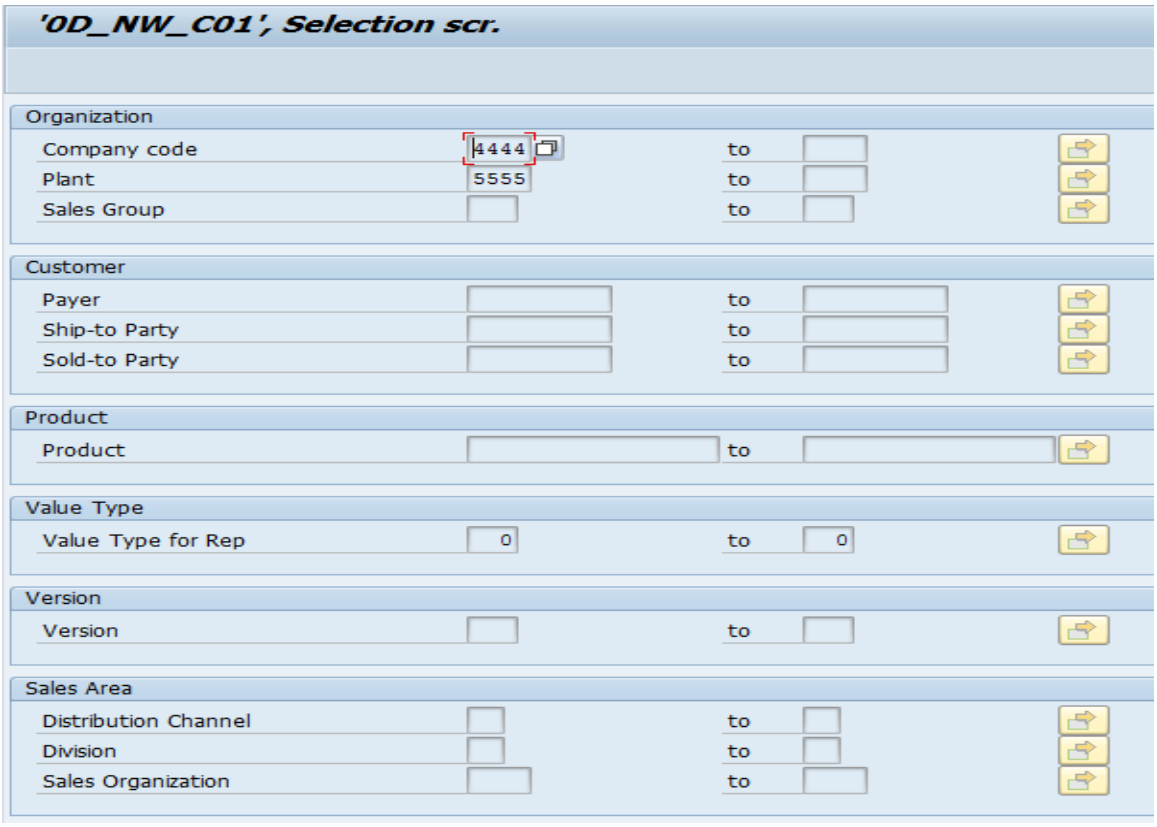
Once created, the scenarios can be displayed, changed, deleted or copied to another scenario by selecting the appropriate buttons as shown below.

Display a Scenario

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

Select by checking on the scenario to be displayed then click Display, the scenario selection criteria will be displayed. No changes can be made in Display mode.

Figure 1.5.4



Pressing the Back button will take the user to the previous screen, the Scenario page.

Change a Scenario

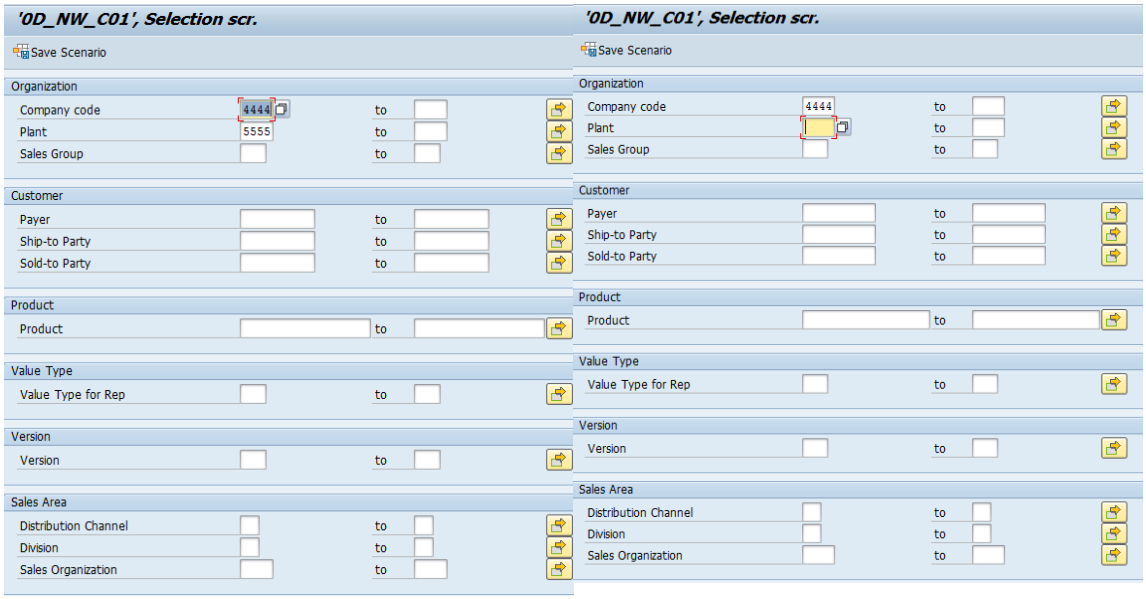
The Change scenario will enable the user to edit the existing scenario and save it.

Change

When pressing Change, a pop-up box will allow the user to select if they want to display navigation attributes for data selection. User will have to select Yes or NO. The scenario selection criteria will be displayed in edit mode. Changes can be made now. User can save Save Scenario after they are done with the changes they want on the scenario. Change the description of the scenario (if that is required by the user) and then click continue. Execute Save count online (foreground) or in the background.

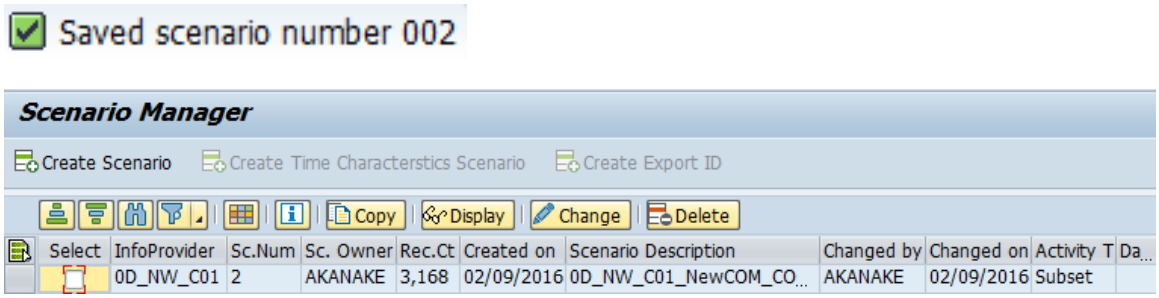
Figure 1.5.5

Before Change: After Change:

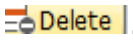


Once the user presses either of the button (online/background), the scenario is saved and the user will be taken back to the previous page (scenario manager) and can see the newly or changed Scenario. A message will also appear on the bottom of the screen informing the user that the scenario (#) that was being edited has been saved with new/updated selection criteria.

Figure 1.5.6

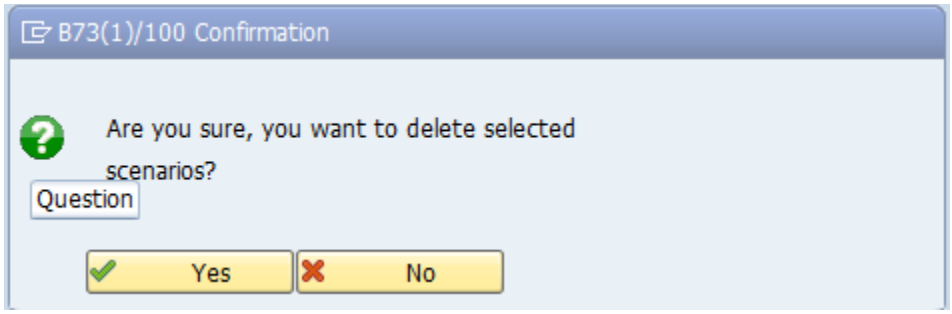


Delete a Scenario

The Delete Scenario button will delete an existing scenario. 

. A message will appear as a pop-up on the screen asking for confirmation.

Figure 1.5.7

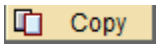


Pressing yes will confirm and the scenario will be deleted.

Note: *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.*

Copy 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.

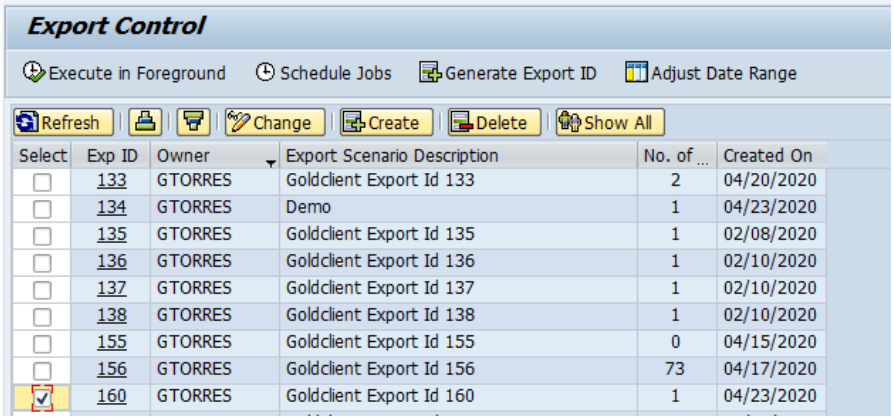


Now we are ready to run an export job. From the Scenario manage page, user can click the back and they are taken back to the list of container/s and can select all the containers or the one they want export. Clicking back button again, takes user to the Export control page, where user can select a single export ID's and run the export. The other option is to go back to the main Gold Client page, Tcode ZGOLDBW, select Export control and they should be able to view their export ID.

Run the Export

From the export control select the desired export ID you want to export. In our case we want export ID 160.

Figure 1.5.8



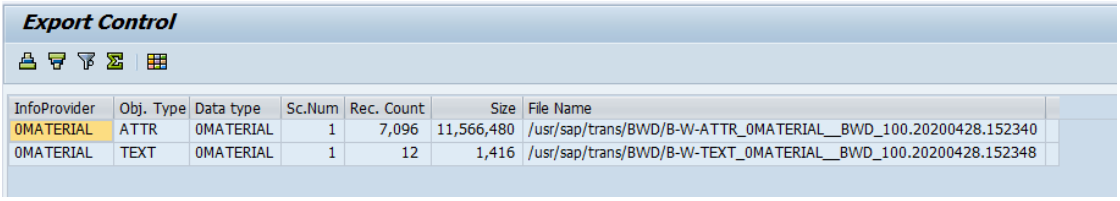
Select	Exp ID	Owner	Export Scenario Description	No. of ...	Created On
☐	133	GTORRES	Goldclient Export Id 133	2	04/20/2020
☐	134	GTORRES	Demo	1	04/23/2020
☐	135	GTORRES	Goldclient Export Id 135	1	02/08/2020
☐	136	GTORRES	Goldclient Export Id 136	1	02/10/2020
☐	137	GTORRES	Goldclient Export Id 137	1	02/10/2020
☐	138	GTORRES	Goldclient Export Id 138	1	02/10/2020
☐	155	GTORRES	Goldclient Export Id 155	0	04/15/2020
☐	156	GTORRES	Goldclient Export Id 156	73	04/17/2020
☑	160	GTORRES	Goldclient Export Id 160	1	04/23/2020

Export in Foreground

After selecting the Export in Foreground option you can see what the system is doing at the left bottom corner of your screen.

On completion of the job a message will be displayed. See (Figure 1.5.9)

Figure 1.5.9



InfoProvider	Obj. Type	Data type	Sc.Num	Rec. Count	Size	File Name
0MATERIAL	ATTR	0MATERIAL	1	7,096	11,566,480	/usr/sap/trans/BWD/B-W-ATTR_0MATERIAL__BWD_100.20200428.152340
0MATERIAL	TEXT	0MATERIAL	1	12	1,416	/usr/sap/trans/BWD/B-W-TEXT_0MATERIAL__BWD_100.20200428.152348

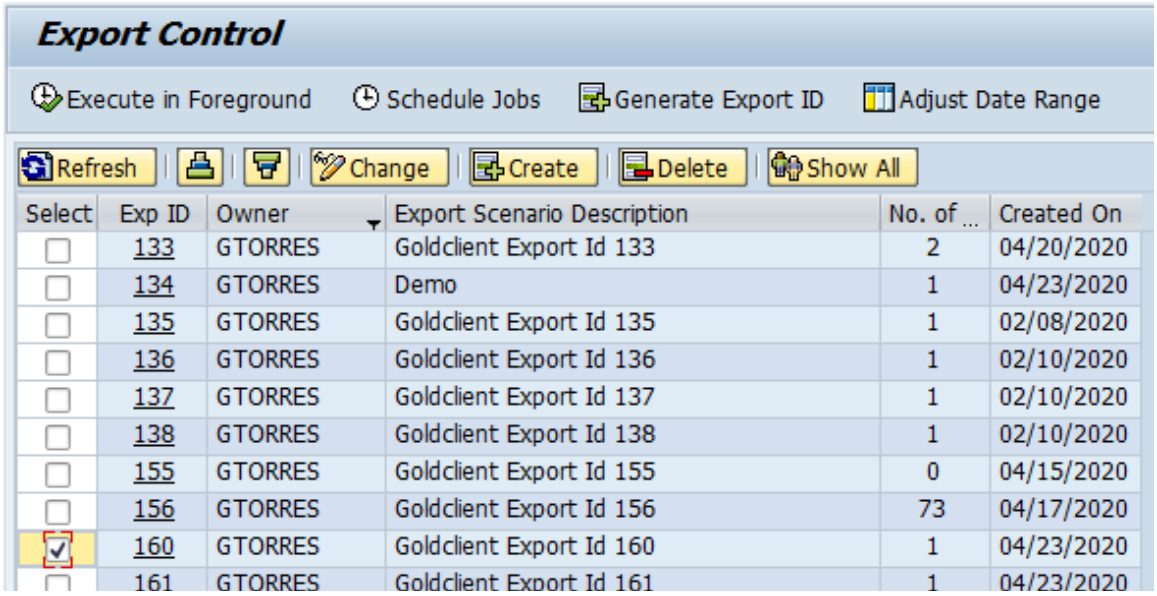
This contains information about the

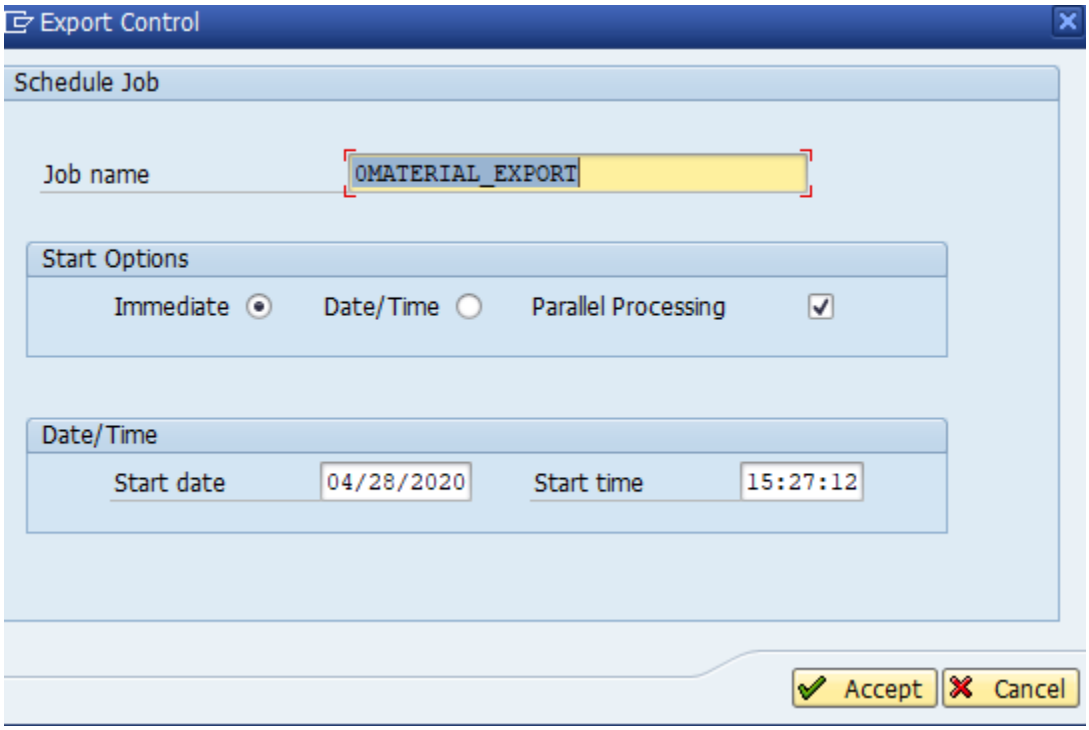
- Infoprovider being exported
- Object type (whether Attributes, Texts, Cube or DSO),
- Data type
- Scenario number if any (relevant only for subset of data)
- Number of records
- File size in bytes
- File name

Export in Background

`Export in Background` Schedule Jobs, 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.

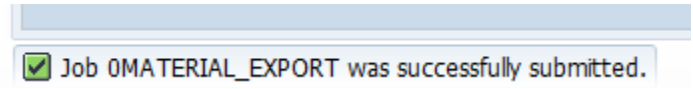
Figure 1.6.0





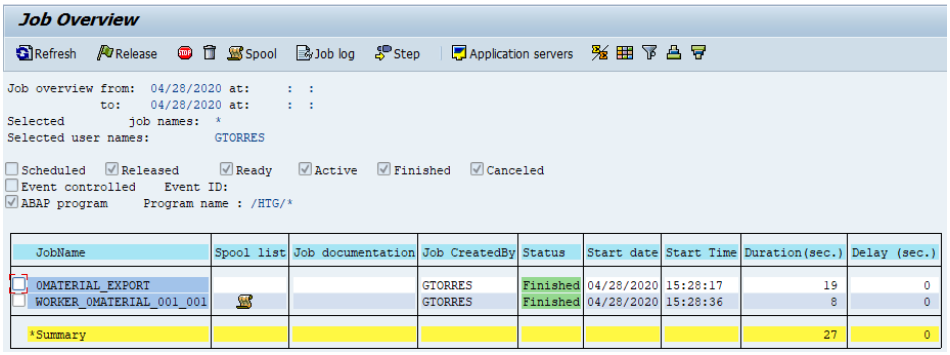
Once the background job name is entered and the user clicks on accept a message is displayed at the bottom left showing the job has been submitted successfully.

Figure 1.6.1

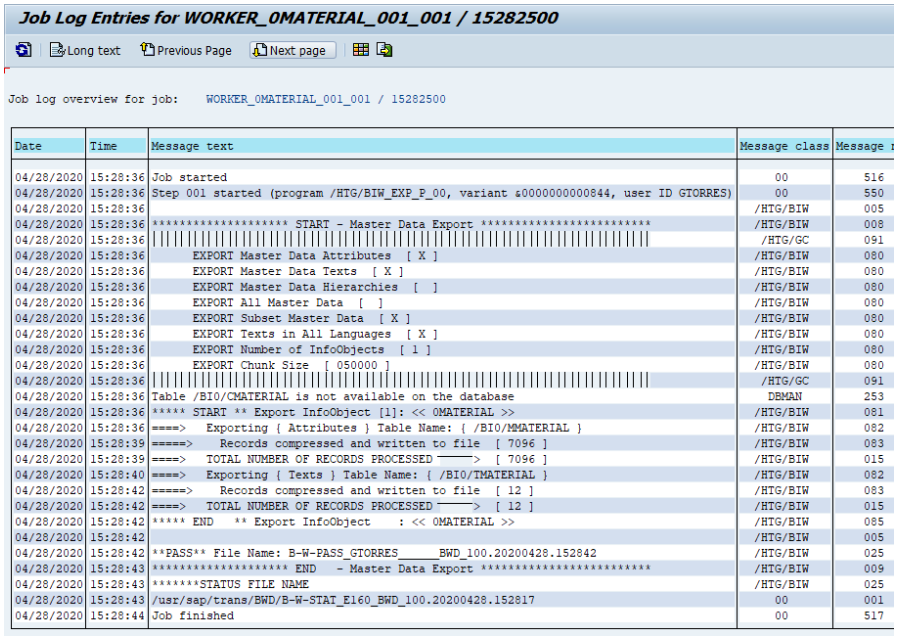


This job can be monitored via SM37 or by going to the Gold Client BW main screen and pressing the Job Monitor icon.

Figure 1.6.2



Job log



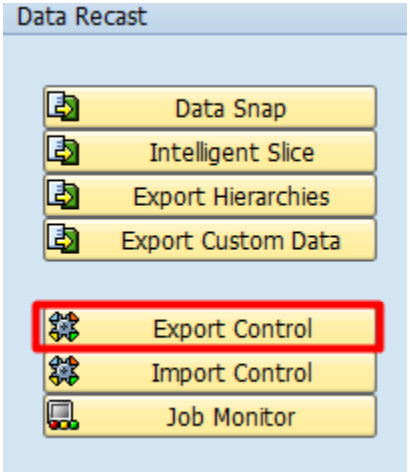
The job log contains information such as the number of Info Objects being exported, the type of components (Attributes/Texts/cubes/DSO), whether export is for a subset of the data and if yes, the scenario number, the date and time of the job submission, user who submitted the job, the number of records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

Transaction Data (Data Recast)

Export Transaction Data

To export transactional data, click the Export Control button in the Transaction Data section.

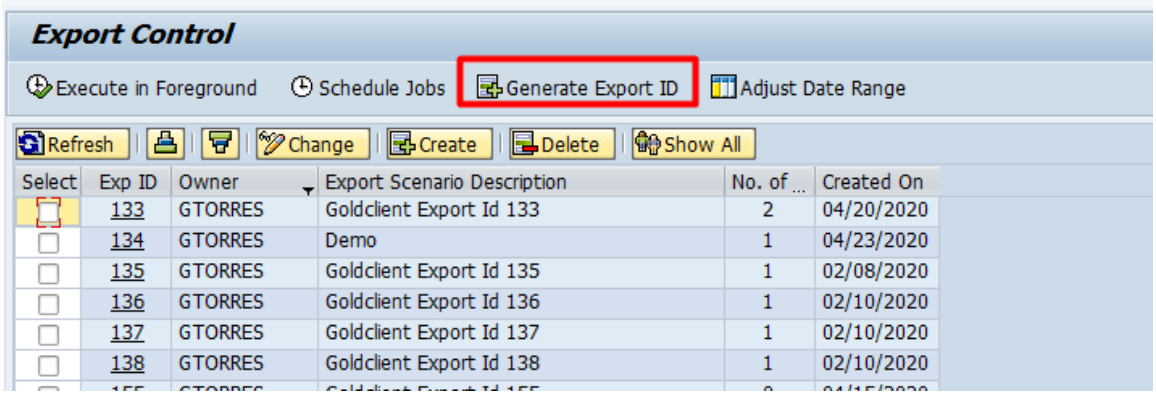
Figure 1.6.3



There are three ways to begin the export process of data at this point:

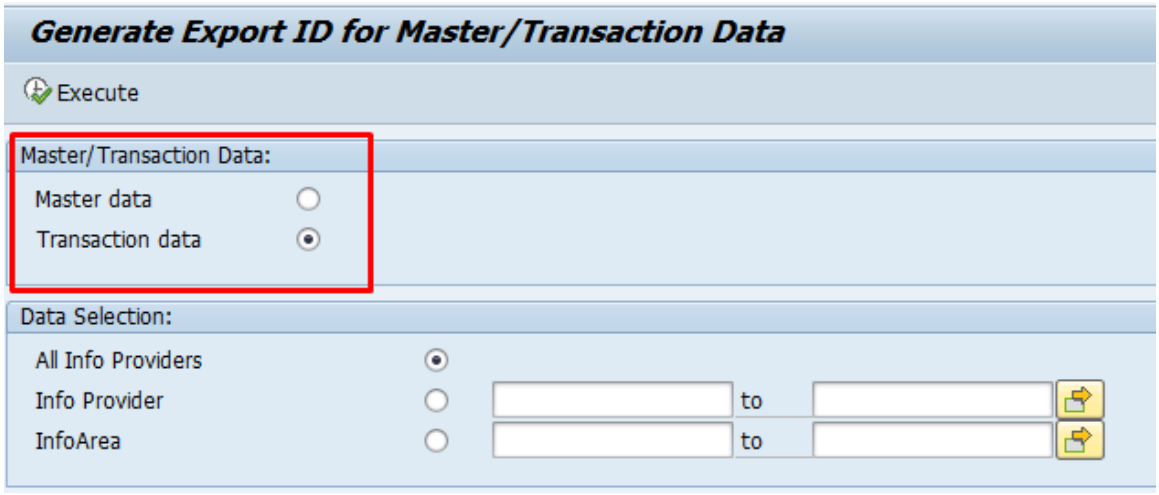
1. Generate a new export ID based on either a specific time characteristic or a set of master data characteristics (Figure 5.5.1)
2. Create an export ID and populate it using scenarios created in data snap or with auto-generated full scenarios
3. Select an export ID that was previously generated or created and select "Execute in Foreground" or "Schedule Job" in the background or modify it before exporting to the file share

Figure 1.6.4



The GENERATE EXPORT ID will open a new page to select master or transaction data (in our case we select transaction data).

Figure 1.6.5



Data Selection

Users have the option to select the source InfoProvider they want to use for the export. User can choose from

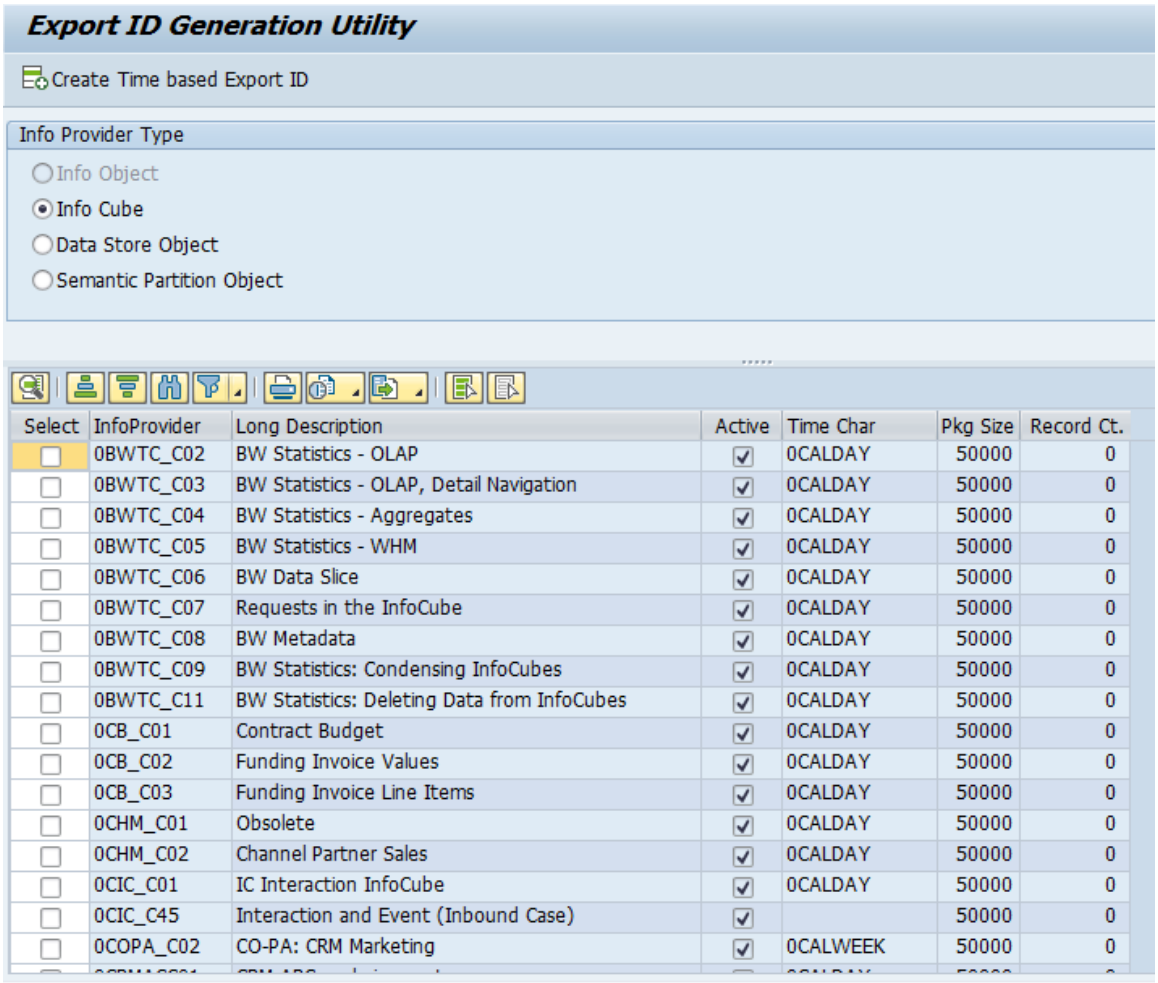
- InfoArea
- InfoProvider
- All InfoProviders

InfoArea: User has to manually type the info area they want to get the data from or select from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

InfoProvider: User has to manually type the info provider they want to get the data from or select from the F4 drop-down menu. All other selection options such as multiple single values, ranges, exclusions are available too.

All Info Provider: This option give user more flexibility. Use has to have the option selected and then execute. As seen on (Figure 1.6.6) user has the choice to select from a single or multiple cubes, DSO or Semantic Partition Object. User can also search through the list by using the binoculars.

Figure 1.6.6

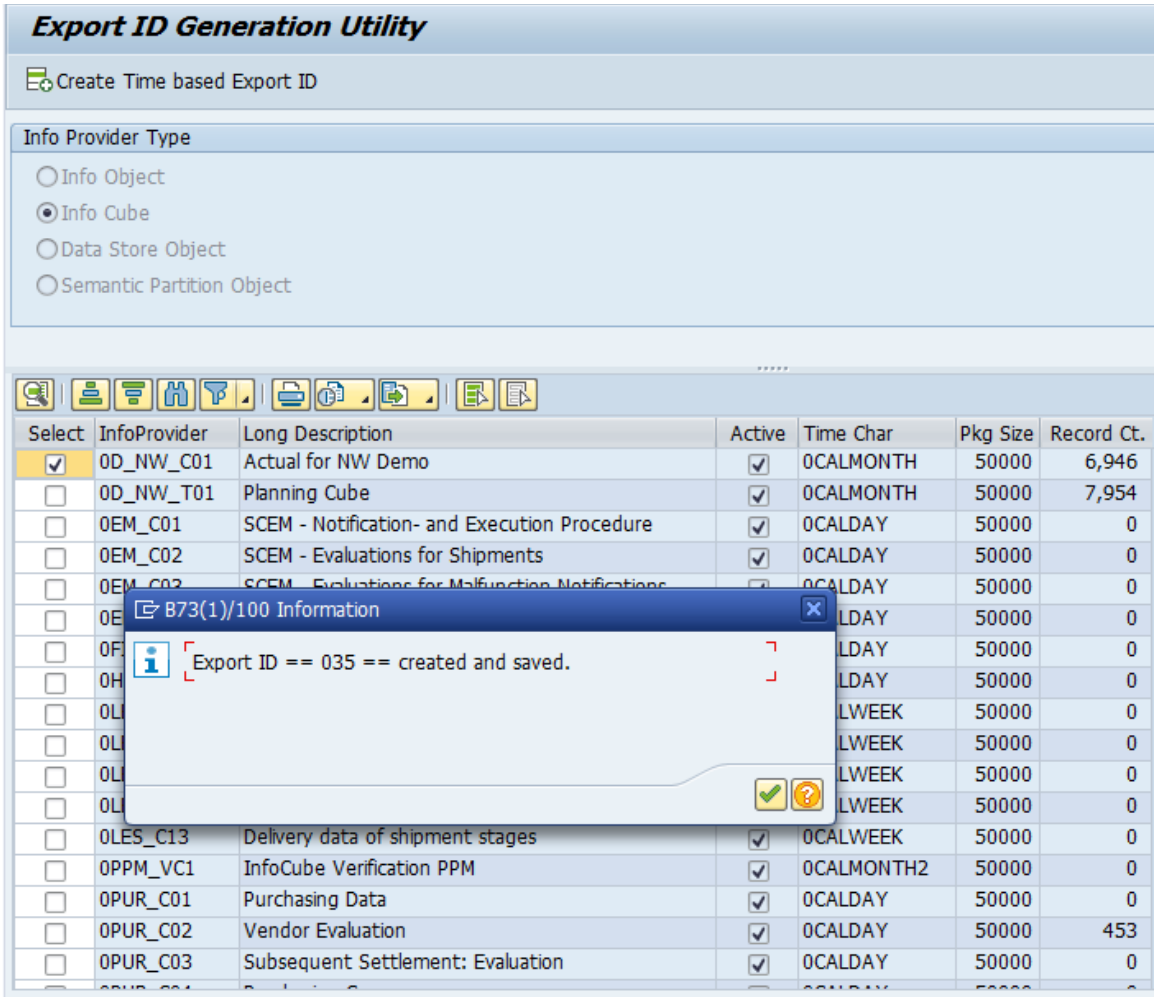


Select	InfoProvider	Long Description	Active	Time Char	Pkg Size	Record Ct.
☐	0BWTC_C02	BW Statistics - OLAP	☑	0CALDAY	50000	0
☐	0BWTC_C03	BW Statistics - OLAP, Detail Navigation	☑	0CALDAY	50000	0
☐	0BWTC_C04	BW Statistics - Aggregates	☑	0CALDAY	50000	0
☐	0BWTC_C05	BW Statistics - WHM	☑	0CALDAY	50000	0
☐	0BWTC_C06	BW Data Slice	☑	0CALDAY	50000	0
☐	0BWTC_C07	Requests in the InfoCube	☑	0CALDAY	50000	0
☐	0BWTC_C08	BW Metadata	☑	0CALDAY	50000	0
☐	0BWTC_C09	BW Statistics: Condensing InfoCubes	☑	0CALDAY	50000	0
☐	0BWTC_C11	BW Statistics: Deleting Data from InfoCubes	☑	0CALDAY	50000	0
☐	0CB_C01	Contract Budget	☑	0CALDAY	50000	0
☐	0CB_C02	Funding Invoice Values	☑	0CALDAY	50000	0
☐	0CB_C03	Funding Invoice Line Items	☑	0CALDAY	50000	0
☐	0CHM_C01	Obsolete	☑	0CALDAY	50000	0
☐	0CHM_C02	Channel Partner Sales	☑	0CALDAY	50000	0
☐	0CIC_C01	IC Interaction InfoCube	☑	0CALDAY	50000	0
☐	0CIC_C45	Interaction and Event (Inbound Case)	☑		50000	0
☐	0COPA_C02	CO-PA: CRM Marketing	☑	0CALWEEK	50000	0

Create Export (Transaction Data)

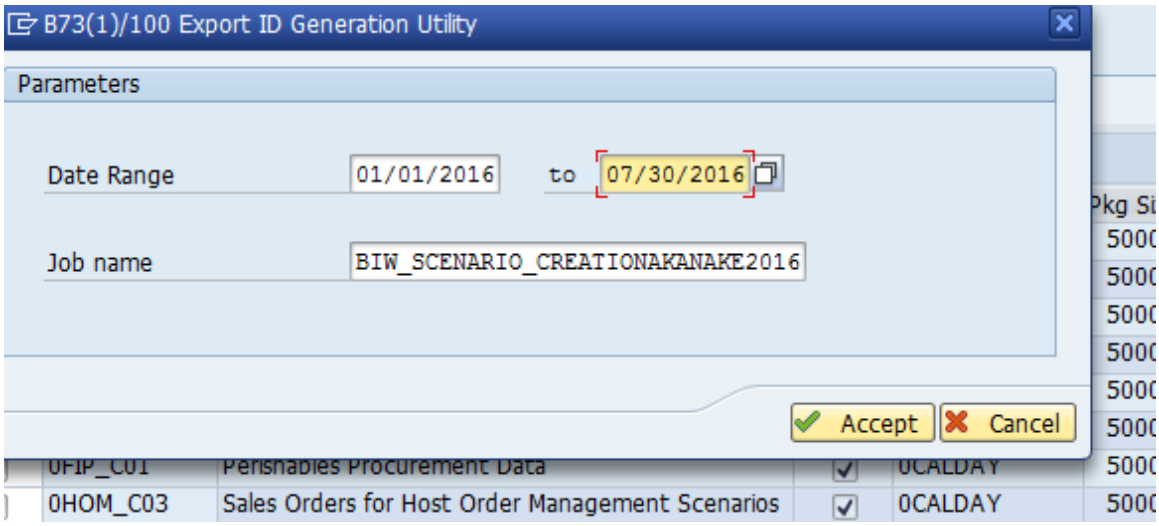
Transaction data can only be exported based on time. To do so user has to select the info provider then click on create time based export id Create Time based Export ID. The system will automatically assign an export ID and save it.
In our example we are going to export transaction data from cube 0D_NW_C01.

Figure 1.6.7



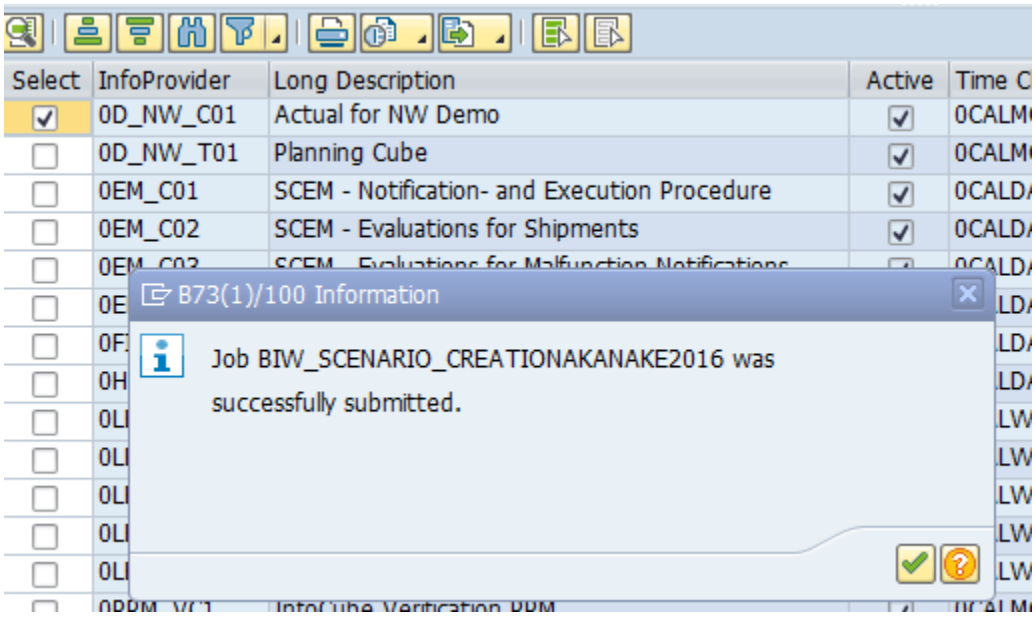
As seen on (Figure 5.5.4) select the green check mark to continue. This is where the user is prompted for a date range to get the transaction data. This could be days, months or year depending on the data volume.

Figure 1.6.8



After clicking accept we get confirmation that our scenario was submitted successfully

Figure 1.6.9



Click the back button twice to get back to the export control page or simply go back to main Gold Client home page via Tcode ZGOLDBW and click on export control.

We should be able to see our newly added Export ID (035) and see the detail below:

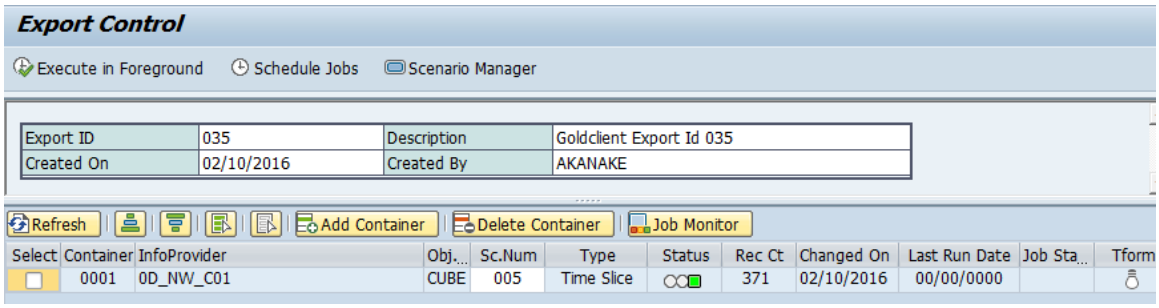
- Export ID
- Owner

- Export Scenario Description
- Number of Container the export ID has
- Date the export ID was created.

View Container

Click on the export ID to view the container/s in the export ID

Figure 1.6.10



As seen on (Figure 5.5.6) there is only one container in the export id with more details about the export:

- Container Number
- Infoprovider the data is coming from
- Object type (Cube, DSO,)
- Scenario number
- Scenario type (time slice, full load)
- Status (here its showing as green with mean se have data)
- Record count
- Date changed
- Last Run Date
- Job Status
- Transformations

Add Container

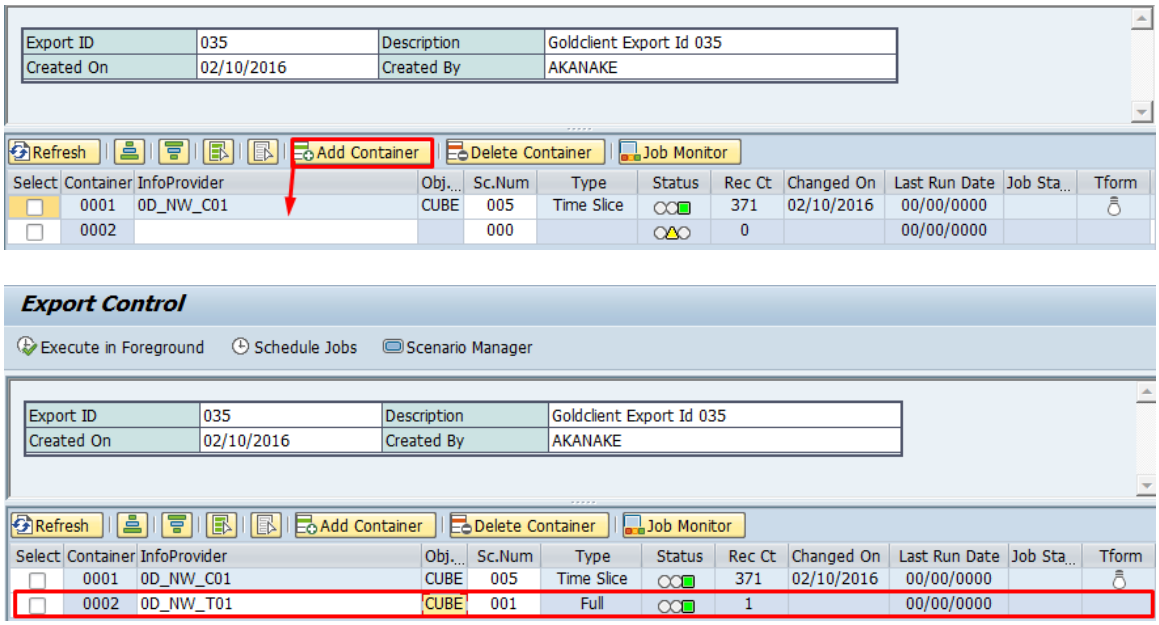
User can also add a container on the export ID by clicking on

. To do so:

Click on Add Container and a new container number is added prompting user for the info provider name. In our example we are going to add another info provider (cube 0D_NW_T01).

This automatically fill in the rest of the information and default it to Scenario number 1 for type full load.

Figure 1.7.0



Now we have 2 containers in our export ID 035. For container 001 we want to export transaction data based on time slice and in container 002 we want to export all transaction data in that cube.

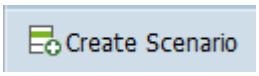
Selection Scenarios for Transaction Data

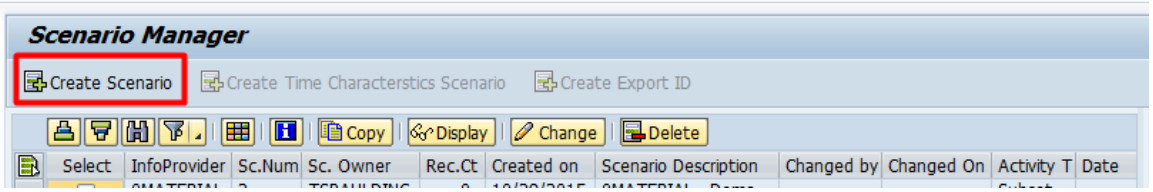
Scenarios are a core component for exporting subsets of data as they control which data is targeted to export.

Scenarios can be built for master data as well as transactional data. The next topic details how a scenario can be built, copied, changed or deleted for transaction data. Select scenario manager as shown in Figure 1.7.1

Figure 1.7.1

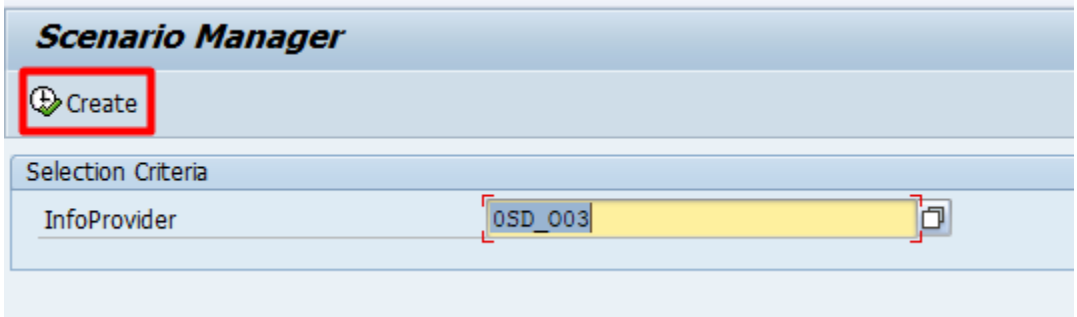
Create a Scenario

- Select  button.

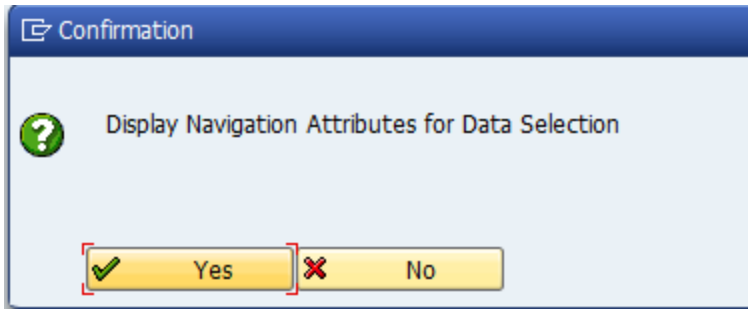


- Input the info provider that you want to export and Select .

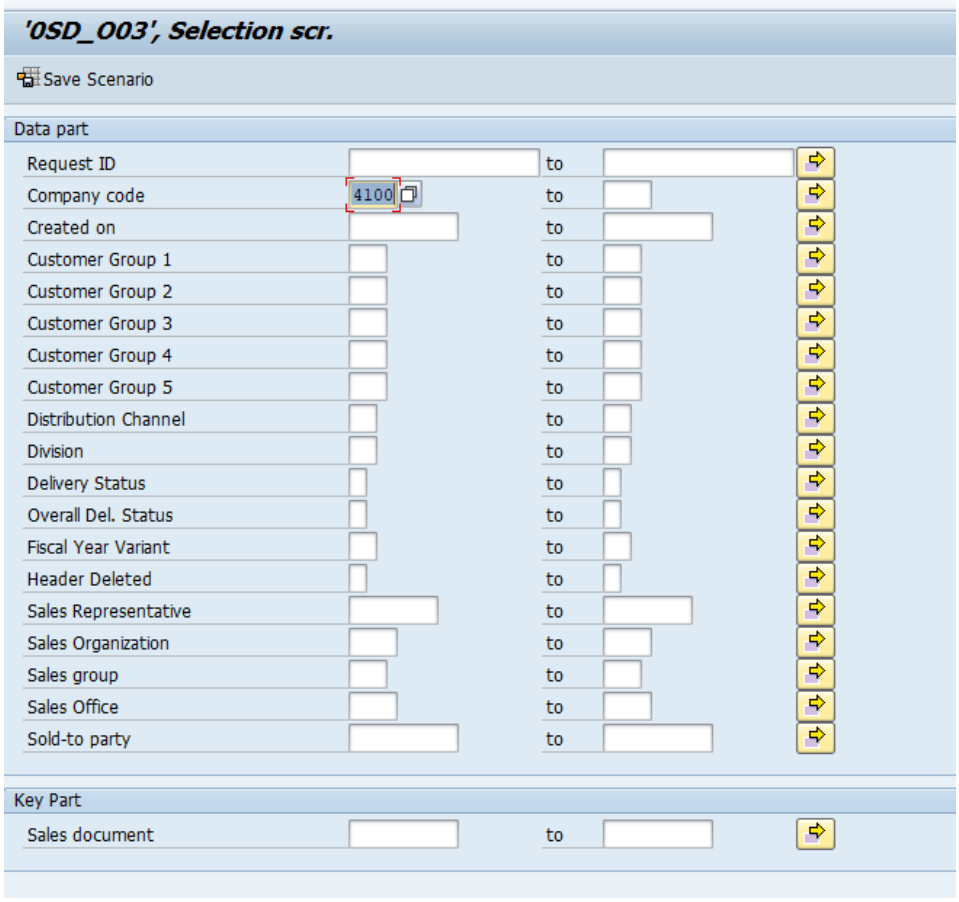
Figure 1.7.2



- Select whether you want to display the navigation attributes on your data selection

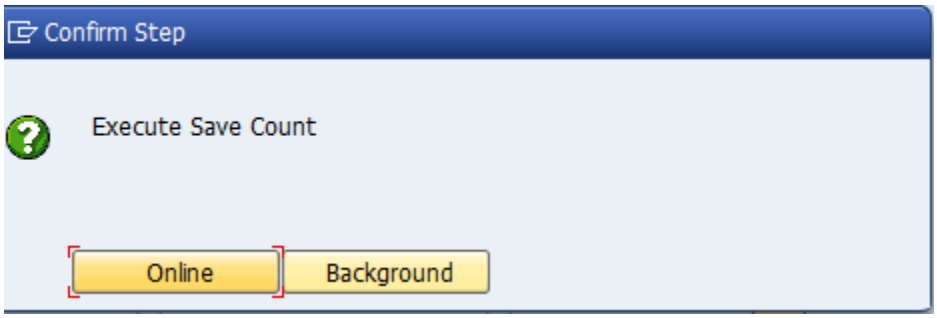


- Next, construct the Scenario by selecting/entering relevant entries. (in this case, since we want to subset the data by calendar date. select the appropriate entries)

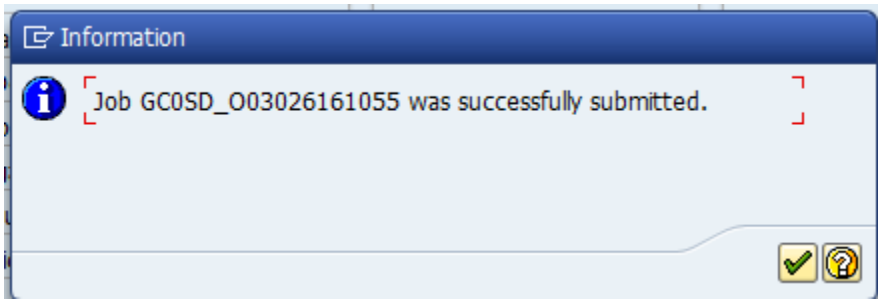


- Upon selecting Save the Scenario user is prompted for a scenario description. This helps in easily identifying the scenario.

- Click on continue.
- User now prompted to "EXECUTE SAVE COUNT". Please be aware at this point that the execution is only doing selecting all objects in that info provider based on parameters user has chosen for the scenario and saving the record count. We highly recommend to use background if the data is huge and online (foreground) if the data is small.



- Both options will provide a confirmation, if submitted successful or if there was a problem



- Use is taken back to the previous screen and is able to view the new scenario that was created.

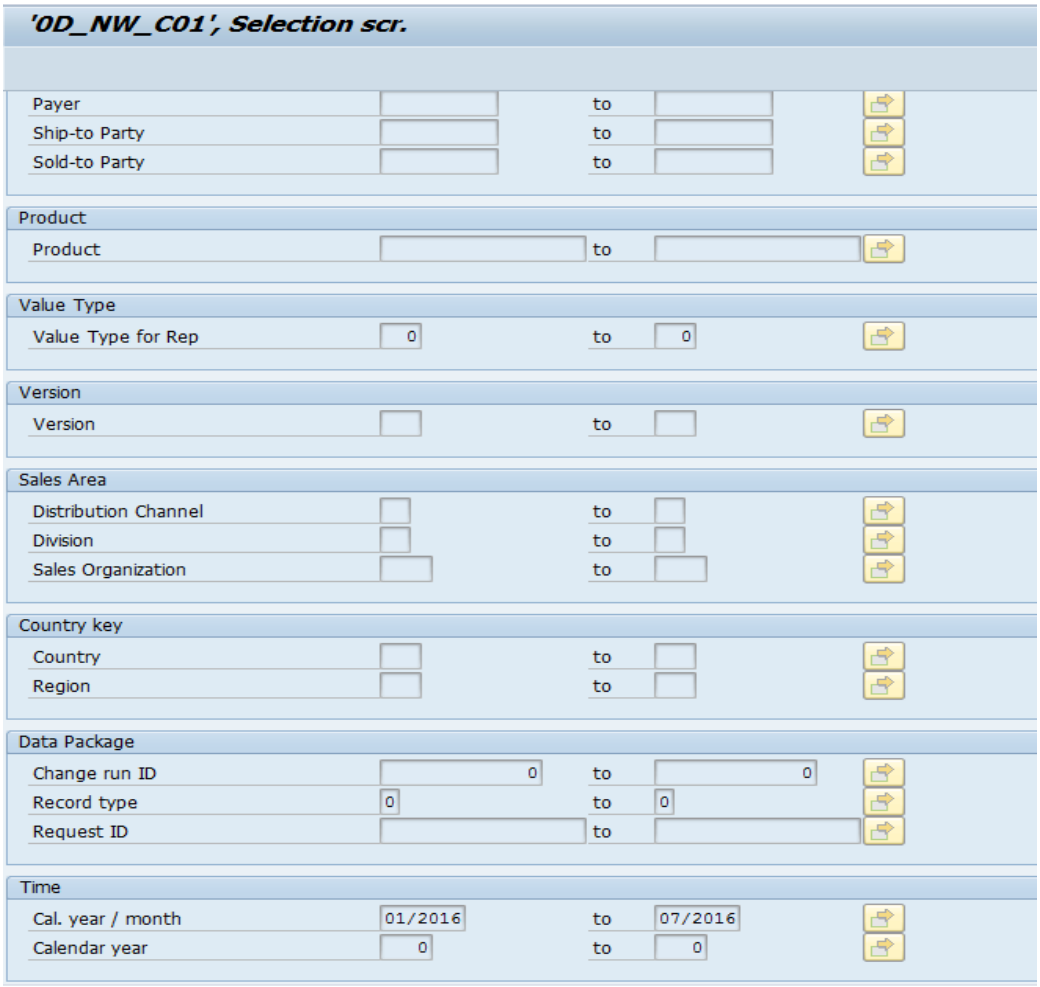
Once created, the scenarios can be displayed, changed, deleted or copied to another scenario by selecting the appropriate buttons as shown below. You can select and view any scenario on the list.

Display a Scenario

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

Select by checking on the scenario to be displayed then pressing Display. The scenario selection criteria will be displayed. No changes can be made in Display mode.

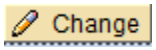
Figure 1.7.3

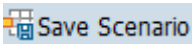


Pressing the Back button will take the user to the previous screen the Scenario page.

Change a Scenario

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

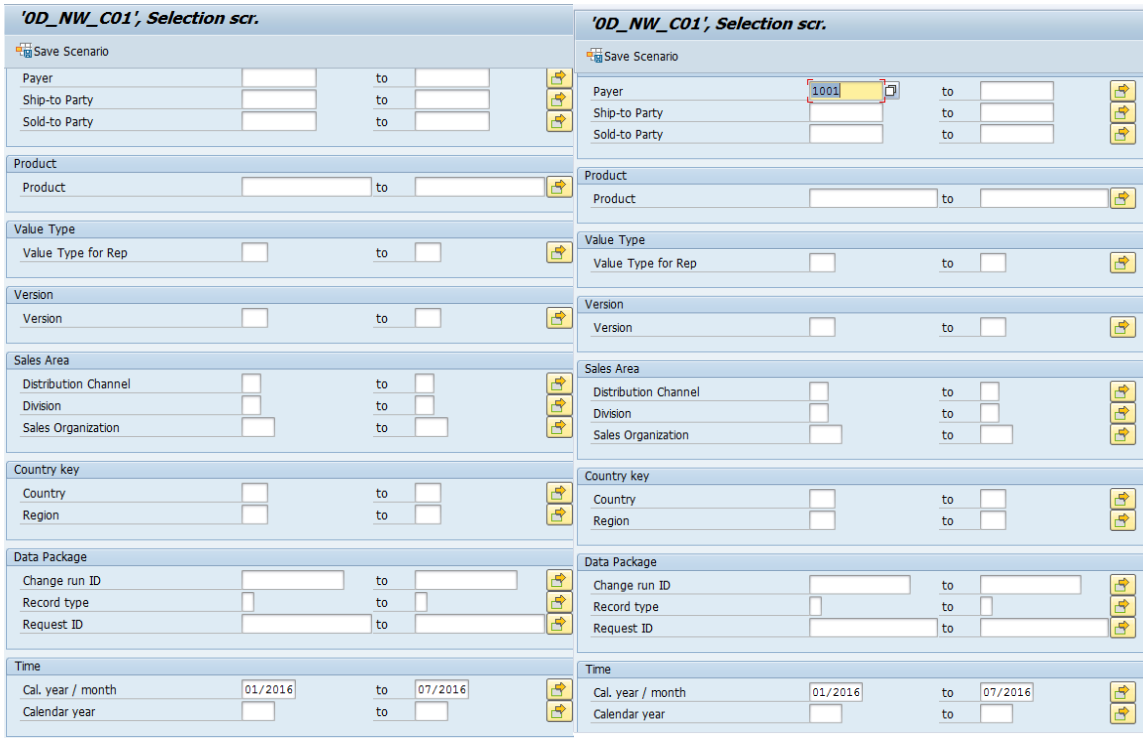


When pressing Change, a pop-up box will allow the user to select if they want to display navigation attributes for data selection. User will have to select Yes or NO. The scenario selection criteria will be displayed in edit mode. Changes can be made now. User can save 

after they done with the changes they want o the scenario. Change the description of the scenario (if that is required by the user) and then pressing continue. Execute Save count online (foreground) or in the background.

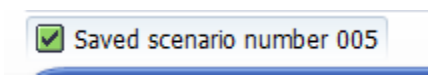
Figure 1.7.4

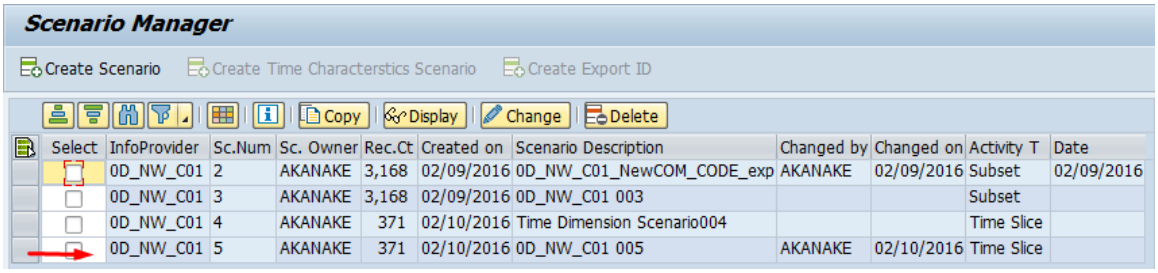
Before Change: After Change:



Once the user presses either of the button (online/background), the scenario is saved and the user will be taken back to the previous page (scenario manager) and can see the newly or changed Scenario. A message will also 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.

Figure 1.7.5

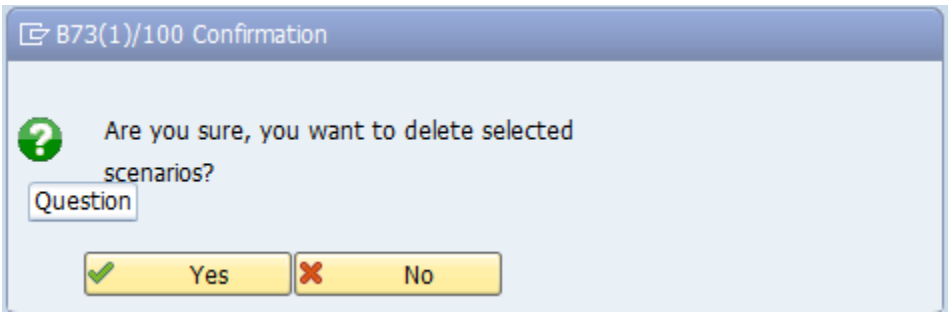




Delete a Scenario

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

Figure 1.7.6

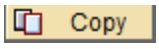


Pressing yes will confirm and the scenario will be deleted.

Note: *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.*

Copy 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.

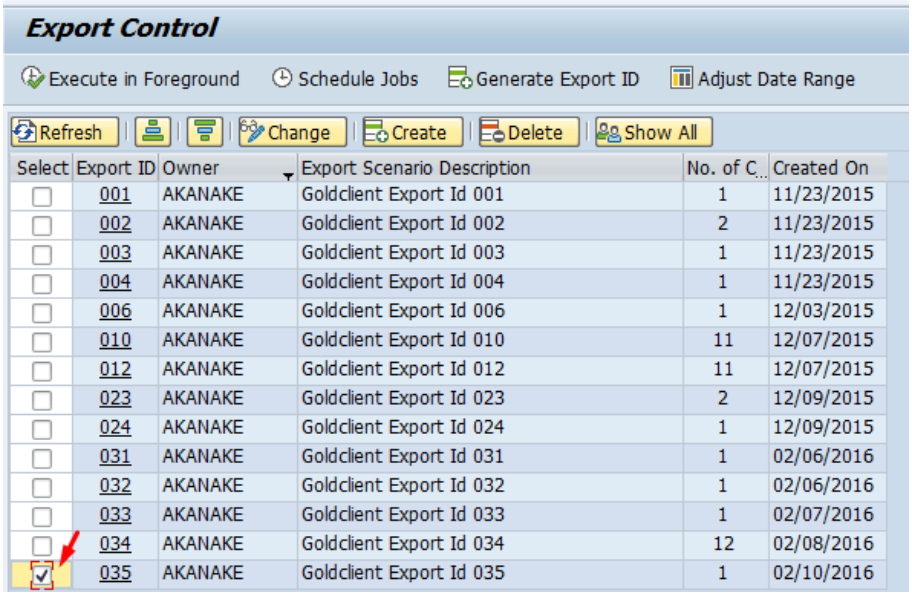


Now we are ready to run an export job. From the Scenario manage page user can click the back and users are taken back to the list of container/s and can select all the containers or pick out the once they want export. Clicking back button again takes users to Export control page where they can select a single export ID's and run the export.
The other option is users can go back to the main Gold Client page Tcode ZGOLDBW, select Export control and they should be able to view their export ID.

Run the Export

From the export control select the desired export ID you want to export. In our case we want export ID 035.

Figure 1.7.7

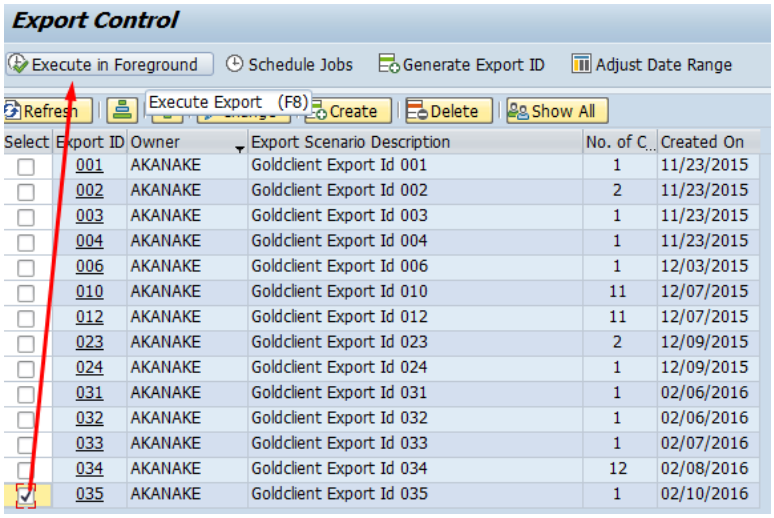


Select	Export ID	Owner	Export Scenario Description	No. of C...	Created On
☐	001	AKANAKE	Goldclient Export Id 001	1	11/23/2015
☐	002	AKANAKE	Goldclient Export Id 002	2	11/23/2015
☐	003	AKANAKE	Goldclient Export Id 003	1	11/23/2015
☐	004	AKANAKE	Goldclient Export Id 004	1	11/23/2015
☐	006	AKANAKE	Goldclient Export Id 006	1	12/03/2015
☐	010	AKANAKE	Goldclient Export Id 010	11	12/07/2015
☐	012	AKANAKE	Goldclient Export Id 012	11	12/07/2015
☐	023	AKANAKE	Goldclient Export Id 023	2	12/09/2015
☐	024	AKANAKE	Goldclient Export Id 024	1	12/09/2015
☐	031	AKANAKE	Goldclient Export Id 031	1	02/06/2016
☐	032	AKANAKE	Goldclient Export Id 032	1	02/06/2016
☐	033	AKANAKE	Goldclient Export Id 033	1	02/07/2016
☐	034	AKANAKE	Goldclient Export Id 034	12	02/08/2016
☑	035	AKANAKE	Goldclient Export Id 035	1	02/10/2016

Export in Foreground

Select Export in Foreground option. User can see what the system is doing at the left bottom corner of your screen.

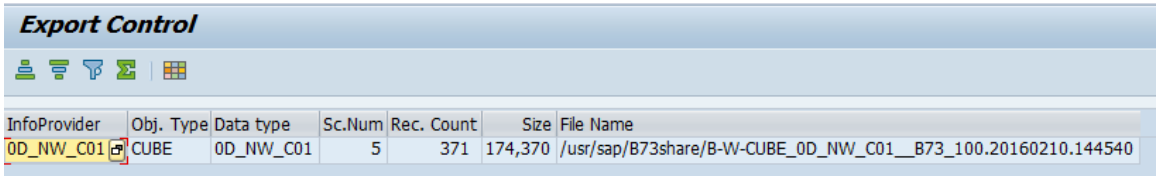
Figure 1.7.8



Select	Export ID	Owner	Export Scenario Description	No. of C...	Created On
☐	001	AKANAKE	Goldclient Export Id 001	1	11/23/2015
☐	002	AKANAKE	Goldclient Export Id 002	2	11/23/2015
☐	003	AKANAKE	Goldclient Export Id 003	1	11/23/2015
☐	004	AKANAKE	Goldclient Export Id 004	1	11/23/2015
☐	006	AKANAKE	Goldclient Export Id 006	1	12/03/2015
☐	010	AKANAKE	Goldclient Export Id 010	11	12/07/2015
☐	012	AKANAKE	Goldclient Export Id 012	11	12/07/2015
☐	023	AKANAKE	Goldclient Export Id 023	2	12/09/2015
☐	024	AKANAKE	Goldclient Export Id 024	1	12/09/2015
☐	031	AKANAKE	Goldclient Export Id 031	1	02/06/2016
☐	032	AKANAKE	Goldclient Export Id 032	1	02/06/2016
☐	033	AKANAKE	Goldclient Export Id 033	1	02/07/2016
☐	034	AKANAKE	Goldclient Export Id 034	12	02/08/2016
☑	035	AKANAKE	Goldclient Export Id 035	1	02/10/2016

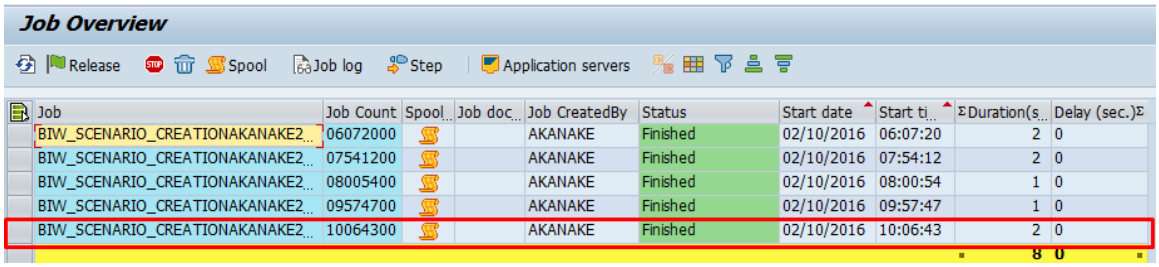
On completion of the job, the following message will be displayed blow.

Figure 1.7.9



User can also check the export the job overview page via Tcode

Figure 1.7.10

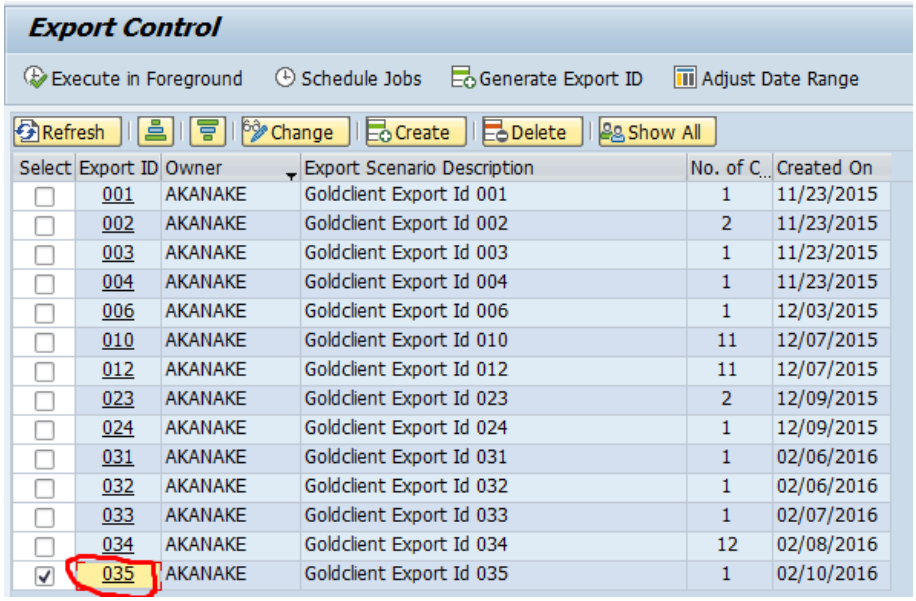


Export in Background

Export in Background (Schedule 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.

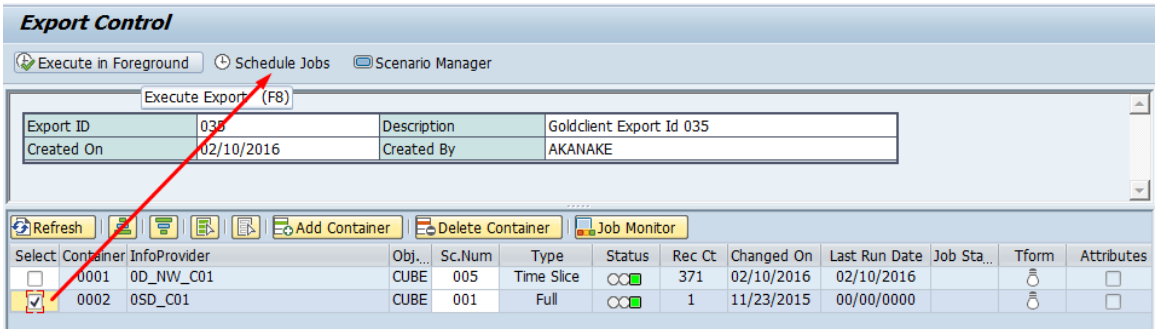
Click on the export ID to open the list of containers in that export ID.

Figure 1.8.0



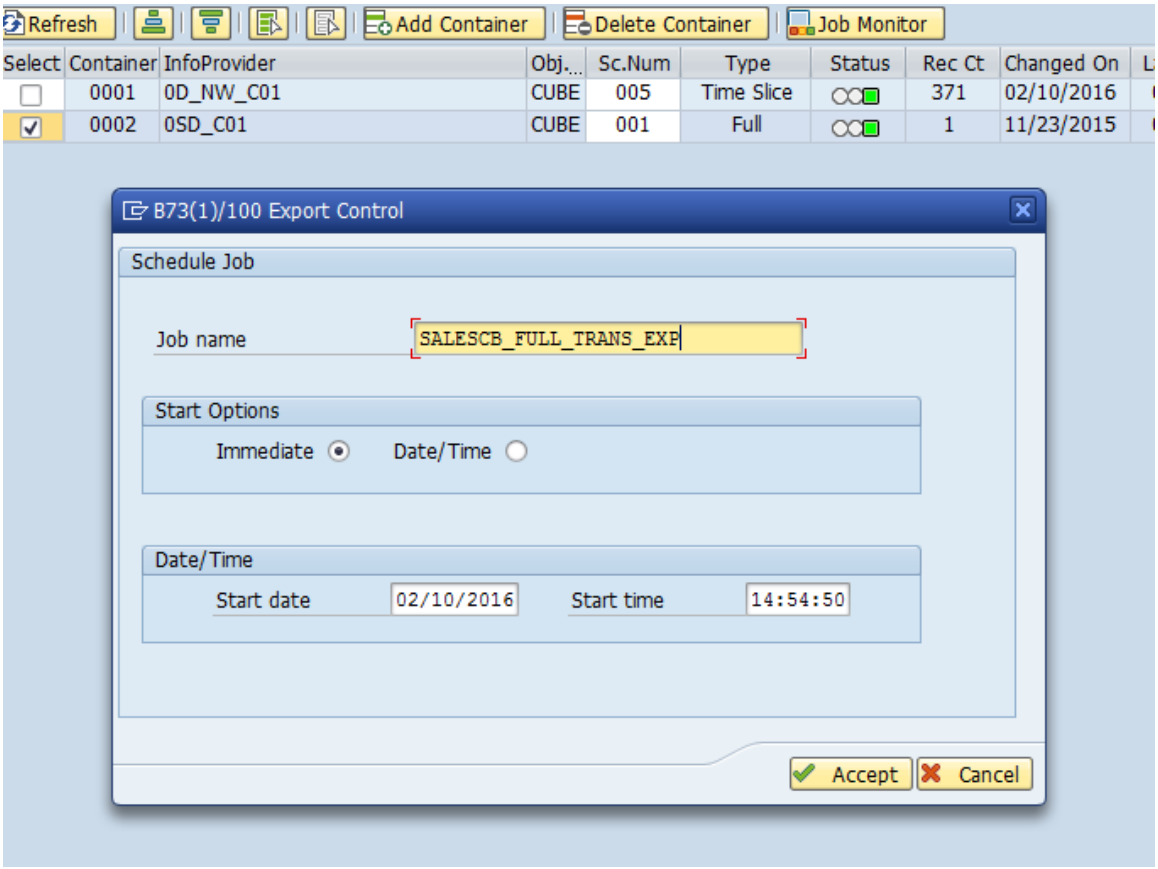
Select the container and schedule the job

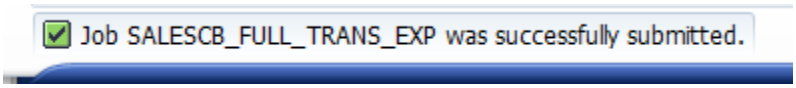
Figure 1.8.1



Name the job then click on accept.

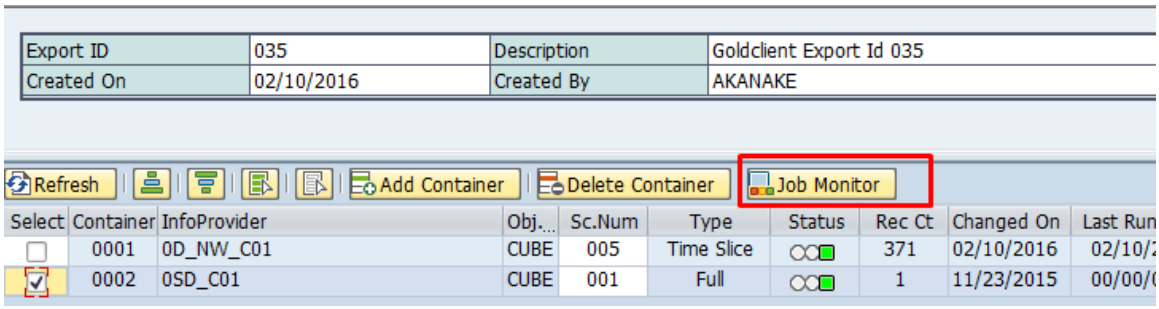
Figure 1.8.2





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

Figure 1.8.3



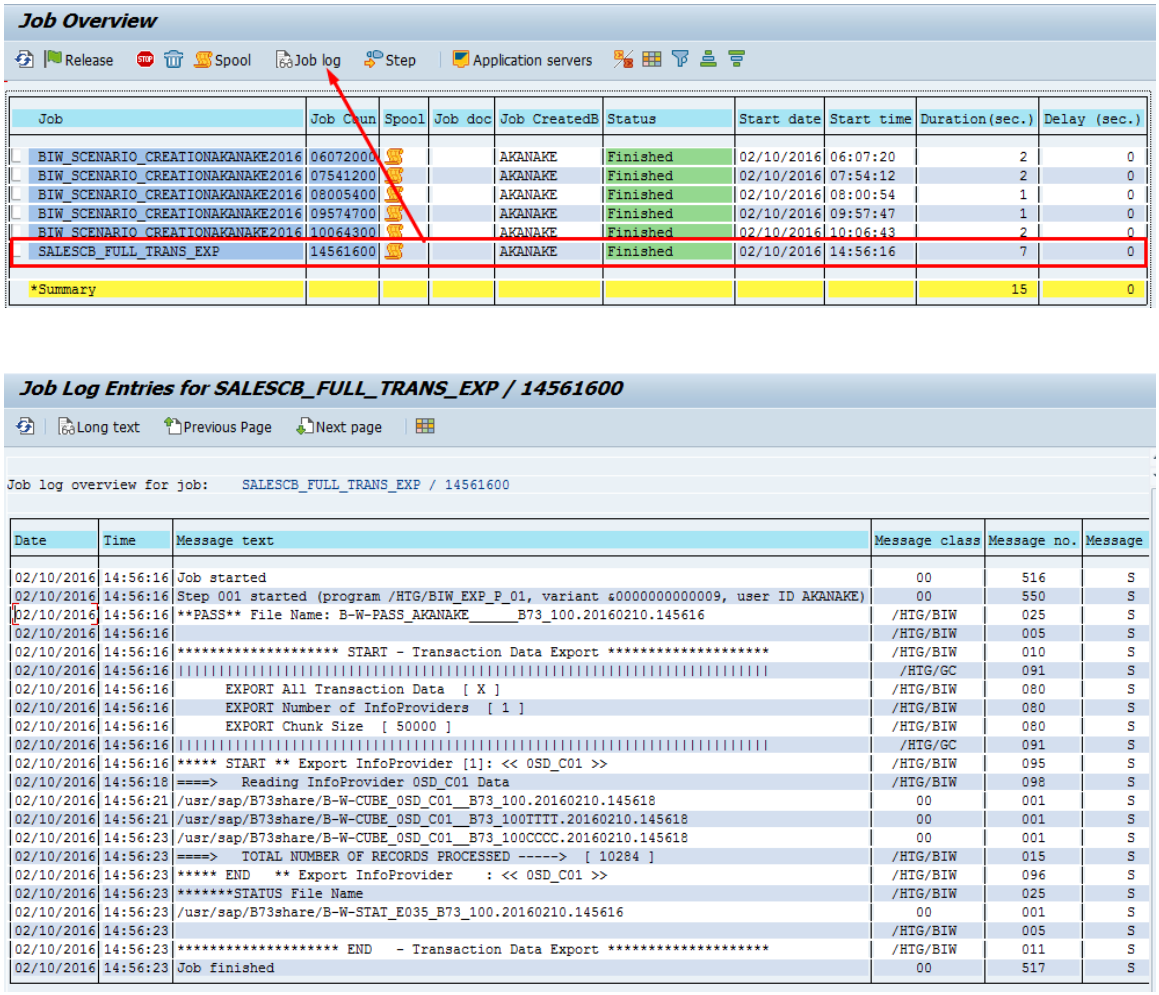
Export ID	035	Description	Goldclient Export Id 035
Created On	02/10/2016	Created By	AKANAKE

Refresh | Add Container | Delete Container | Job Monitor

Select	Container	InfoProvider	Obj...	Sc.Num	Type	Status	Rec Ct	Changed On	Last Run
☐	0001	0D_NW_C01	CUBE	005	Time Slice		371	02/10/2016	02/10/
☑	0002	0SD_C01	CUBE	001	Full		1	11/23/2015	00/00/(

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.

Figure 1.8.4



Job Overview

Release | Spool | Job log | Step | Application servers

Job	Job Coun	Spool	Job doc	Job CreatedB	Status	Start date	Start time	Duration(sec.)	Delay (sec.)
BIW_SCENARIO_CREATIONAKANAKE2016	06072000			AKANAKE	Finished	02/10/2016	06:07:20	2	0
BIW_SCENARIO_CREATIONAKANAKE2016	07541200			AKANAKE	Finished	02/10/2016	07:54:12	2	0
BIW_SCENARIO_CREATIONAKANAKE2016	08005400			AKANAKE	Finished	02/10/2016	08:00:54	1	0
BIW_SCENARIO_CREATIONAKANAKE2016	09574700			AKANAKE	Finished	02/10/2016	09:57:47	1	0
BIW_SCENARIO_CREATIONAKANAKE2016	10064300			AKANAKE	Finished	02/10/2016	10:06:43	2	0
SALESCB_FULL_TRANS_EXP	14561600			AKANAKE	Finished	02/10/2016	14:56:16	7	0
*Summary								15	0

Job Log Entries for SALESCB_FULL_TRANS_EXP / 14561600

Long text | Previous Page | Next page

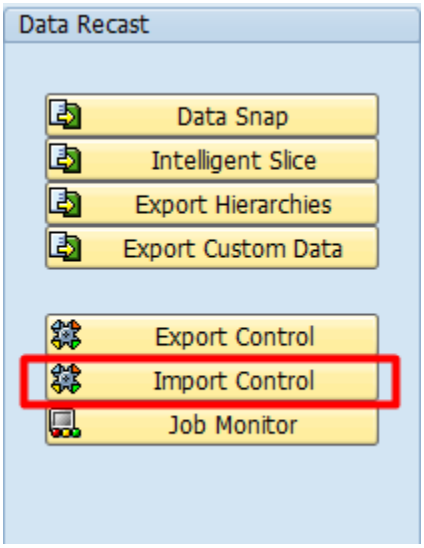
Job log overview for job: SALESCB_FULL_TRANS_EXP / 14561600

Date	Time	Message text	Message class	Message no.	Message
02/10/2016	14:56:16	Job started	00	516	S
02/10/2016	14:56:16	Step 001 started (program /HTG/BIW_EXP_P_01, variant &0000000000009, user ID AKANAKE)	00	550	S
02/10/2016	14:56:16	**PASS** File Name: B-W-PASS_AKANAKE_____B73_100.20160210.145616	/HTG/BIW	025	S
02/10/2016	14:56:16		/HTG/BIW	005	S
02/10/2016	14:56:16	******************** START - Transaction Data Export ********************	/HTG/BIW	010	S
02/10/2016	14:56:16	!!!!

Import Control

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.

Figure 1.8.5



Note: The import process on the target system is the same for Master data (Attributes and text), Transaction data, Hierarchies and custom data.

Important Considerations before Importing

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

Reporting
Data is loaded to Info Providers via Requests. Once data is successfully imported, in case of Info Object Info Providers, 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. Info Objects 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 Info Object list for Attribute Change run.

Data Flow Structures
When importing data, Gold Client BW will automatically create relevant data flow structures such as Info Package, Info Source, 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 Info Cubes 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.

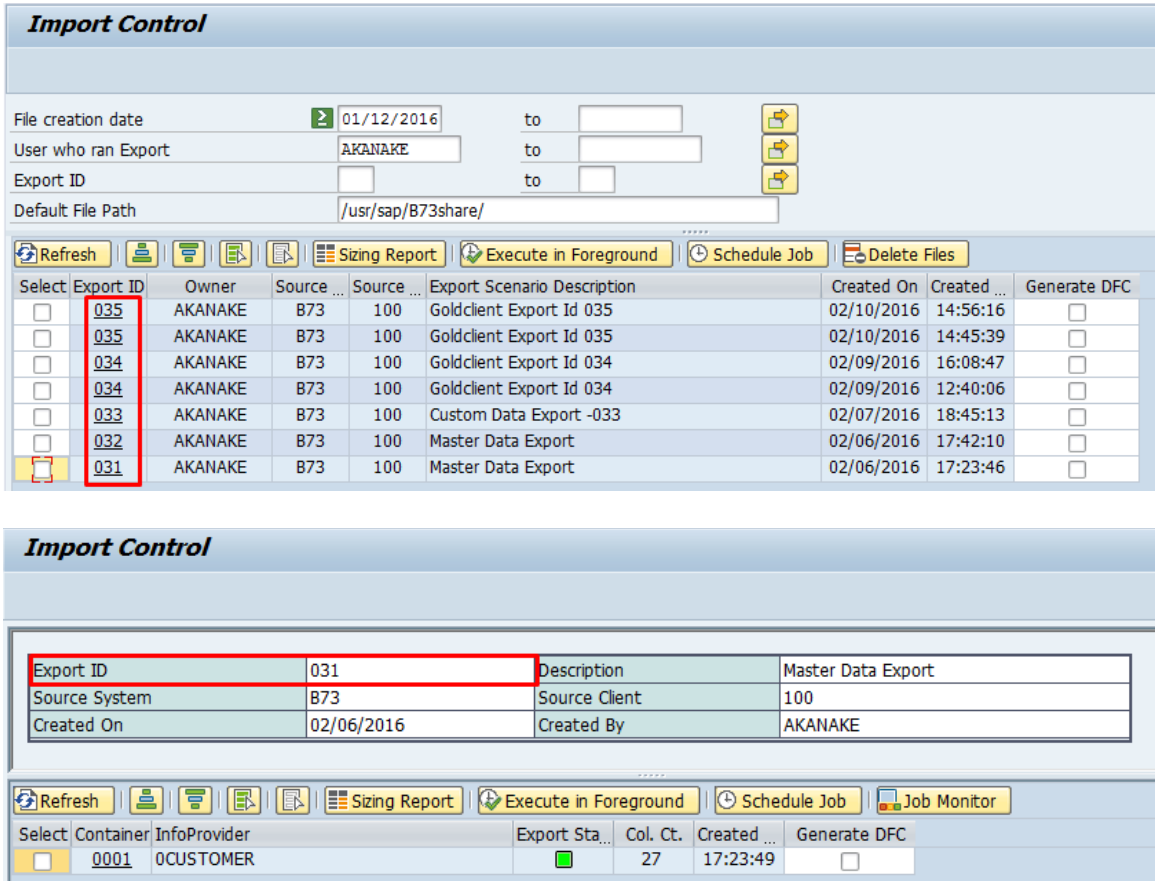
Select Data for Import

The import can be executed by each individual file, or with a range of files for transaction and master data. 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 a combination of file creation date, the user who ran the export, and the Export ID.

The default file path shows to which directory the Gold Client files are written. The Import Control screen displays key items like Export ID, Owner, Source System, Source Client, the Export Description, Created On and Creation time. This screen Also provides standard SAP options like Refresh, Select All, and Deselect All, as well As several Gold Client options.

Selecting an Export ID value takes the user to another screen where more information about the particular export is displayed. It shows the Container, Data Type, Export Status, Collection Count, Creation Date, Creation Time, and the Job Status. Within this details screen, several of the

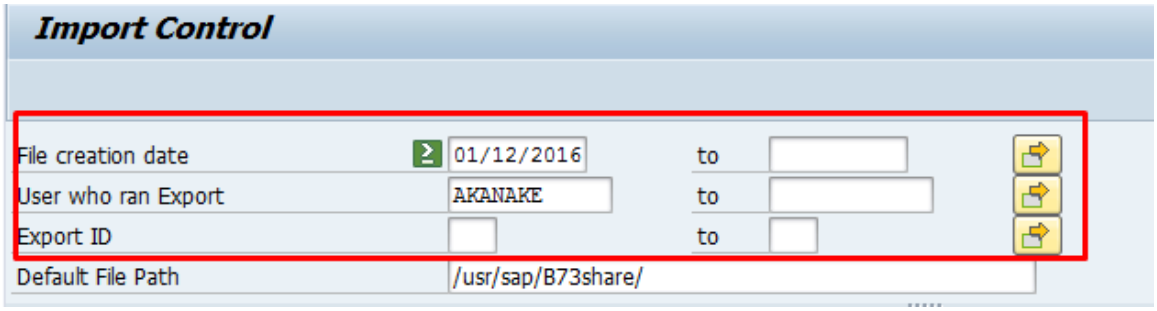
Figure 1.8.6



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.

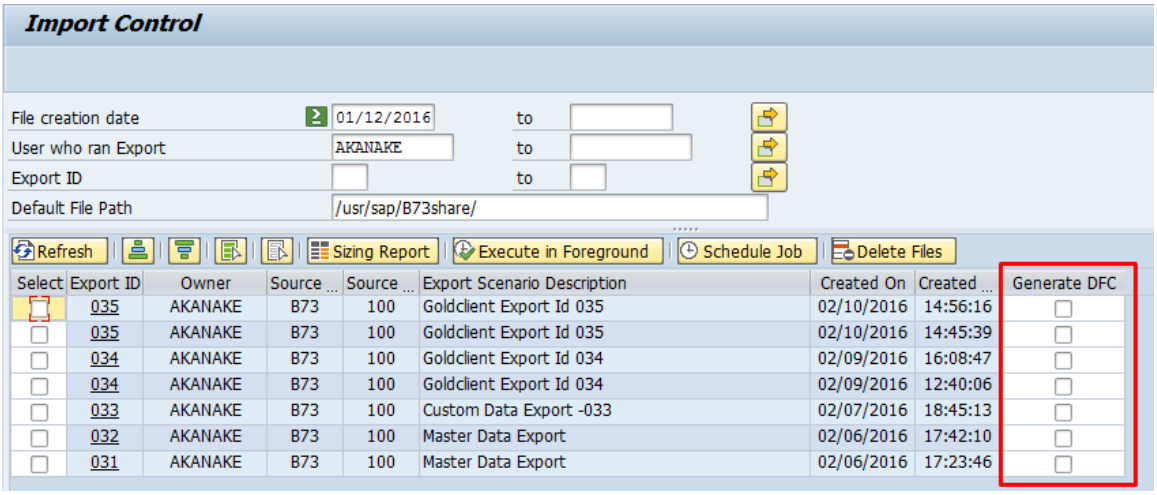
The user can optionally search for the export file(s) by filtering on file creation date or by the user who ran the export.

Figure 1.8.7



Generate DFC has to be selected before when running the import. If user is runing this Import for the first time then it is mandatory to have DFC checked. The system uses the standard SAP Data Flow Component (DFC) to generate the import on the target objects (infoproviders)

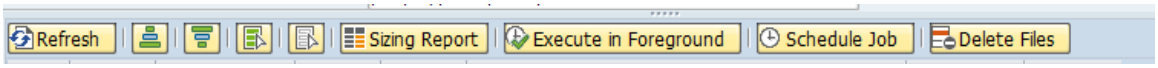
Figure 1.8.8



Import Processing Options

There are two key options for importing data using the Gold client tool. You can either import on the foreground or in the background (Schedule Job). As seen in (Figure 1.8.9) below sizing report button which is explained below.

Figure 1.8.9

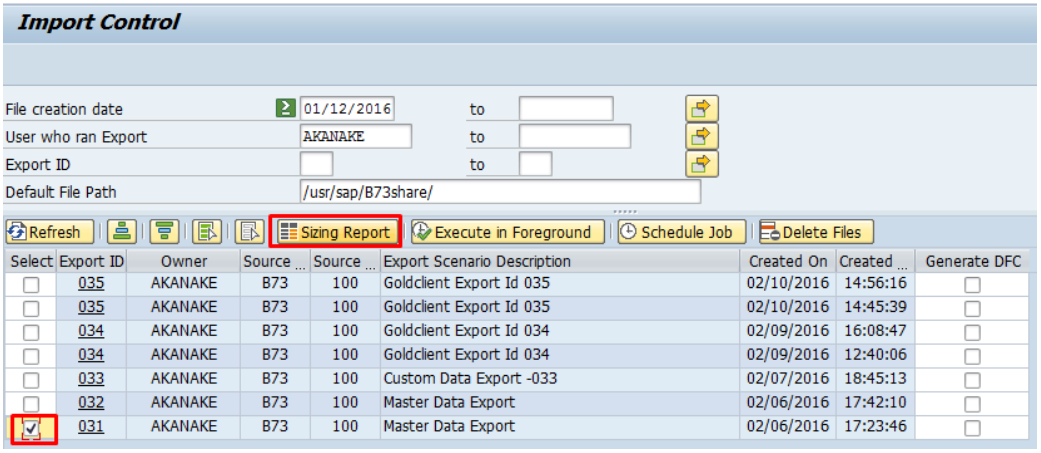


Sizing Report

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.

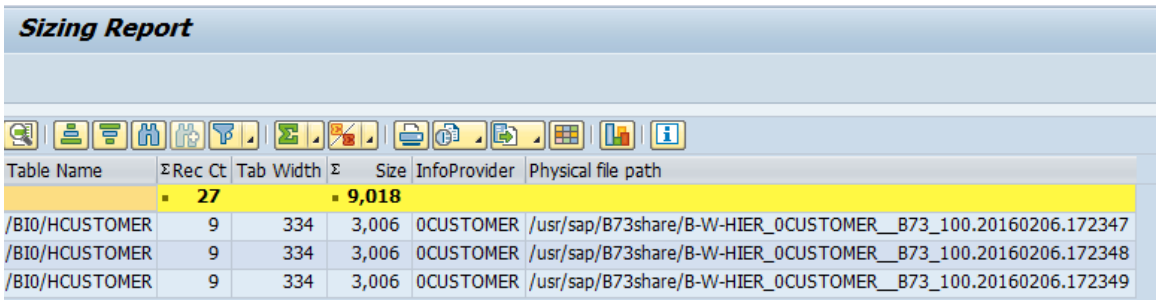
On the Import control screen (Figure 1.8.10), select the export id then `Sizing Report`.

Figure 1.8.10



Upon execution, a report detailing the tables, record count, size, physical file path, etc. appears (Figure 6.1.4). Remember, this is only a report and is not the same as the actual import.

Figure 1.9.0

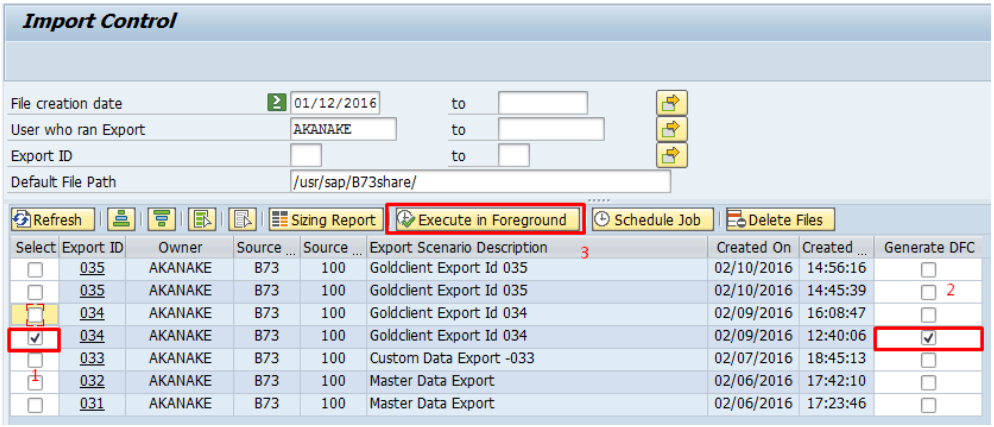


Import in Foreground

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.

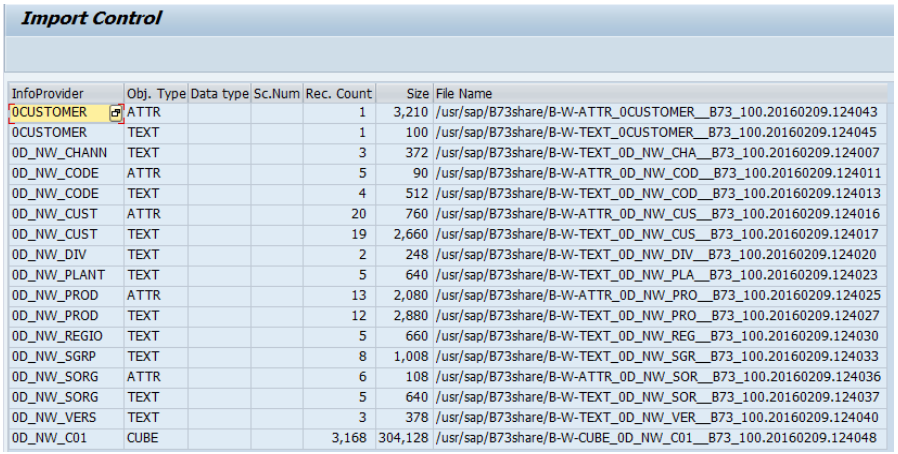
Figure 1.9.1



When ready to import, select `Execute in Foreground` (Figure 1.91). 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 1.9.2

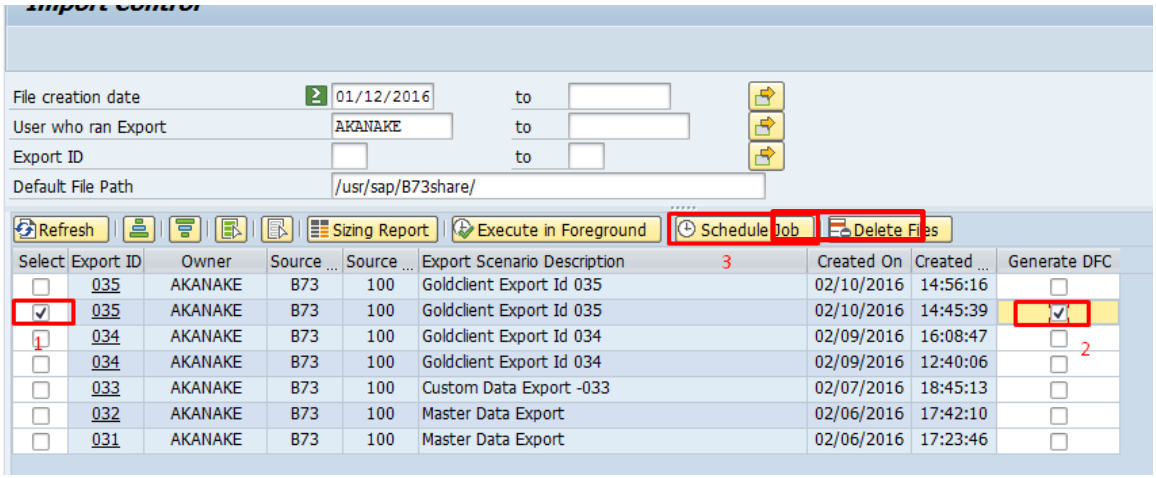


The report shows all the info provider that received data and how many records were imported for each info provider.

Import in Background (as a Job)

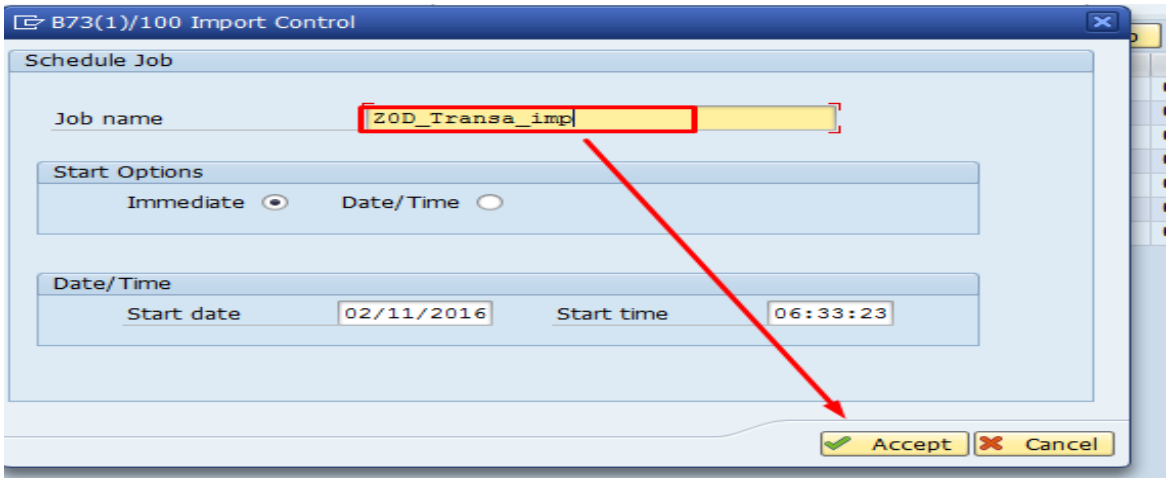
For importing large amounts of data, it is best to run the import in the background. If the user chooses `Schedule Job` (Figure 1.9.3), one must select by checking on the single or multiple selections of the job/S they want to import. The other option is selecting the export ID then selecting single or multiple container.

Figure 1.9.3



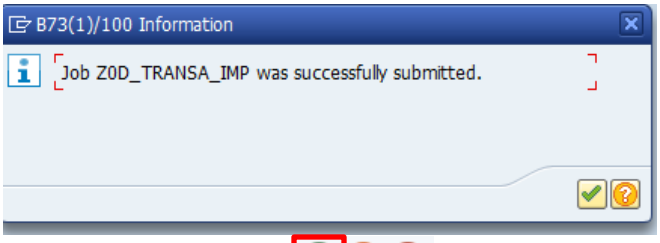
Upon your selection, and clicking on the schedule job a screen appears. A job name must be specified. This can be anything. It will be needed when monitoring the job in SM37 or with the Job Monitor option on ZGOLDBW. Make sure you start options are selected and click on "Accept"

Figure 1.9.4

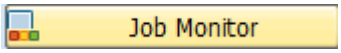


The job will be submitted in the background and a pop-up box informing the user of the same will appear on the screen.

Figure 1.9.5



Press the Enter button then click on the Back which will take you back to Gold Client main screen.

Here you have the option to click on the 

or use transaction code SM37 to view the job.

Figure 1.9.6

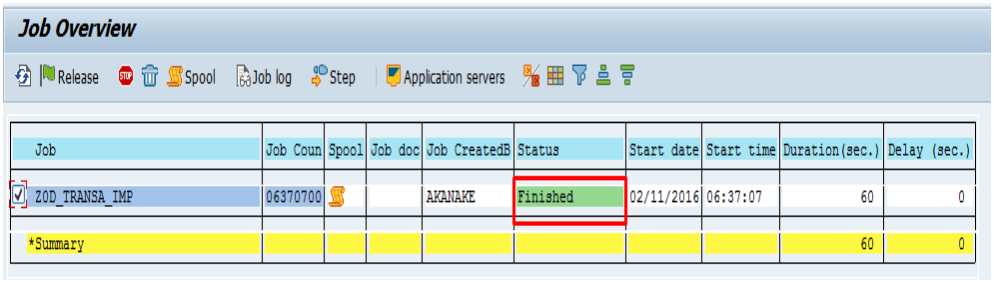
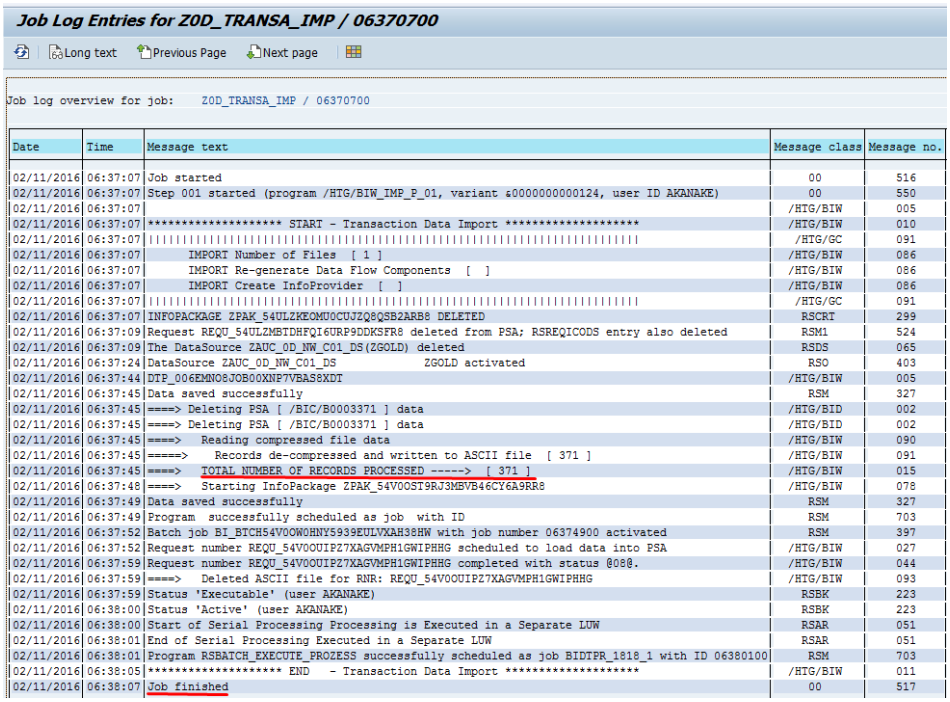


Figure 1.9.7



The Job log will detail information.

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

Import Hierarchies

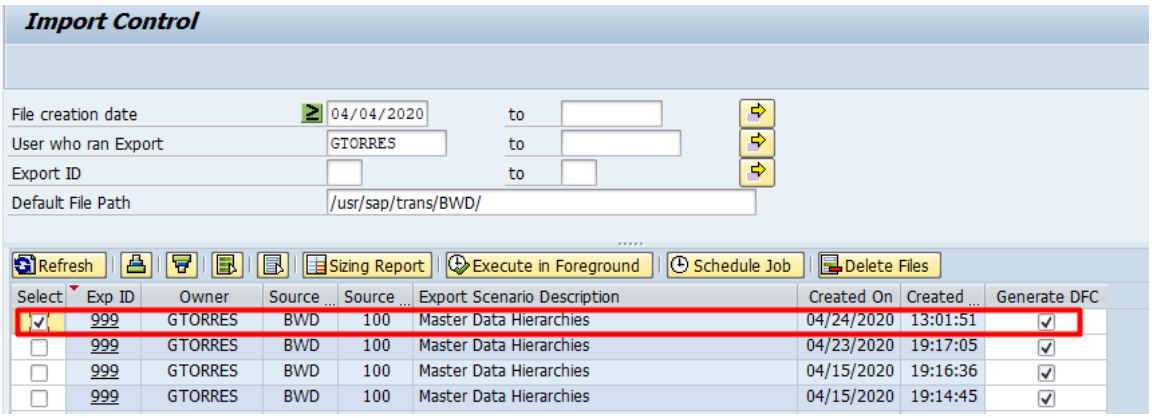
When hierarchies are selected for import, Gold Client checks whether these hierarchies already exist in the importing system.

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.

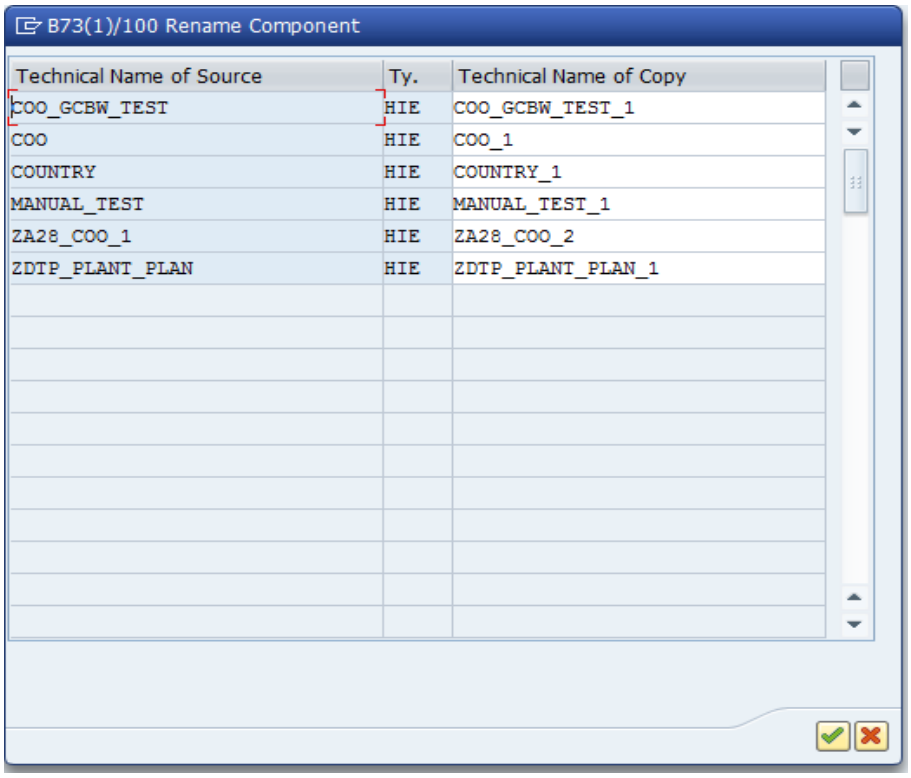
Figure 1.9.8



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 Info Object 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 1.9.9



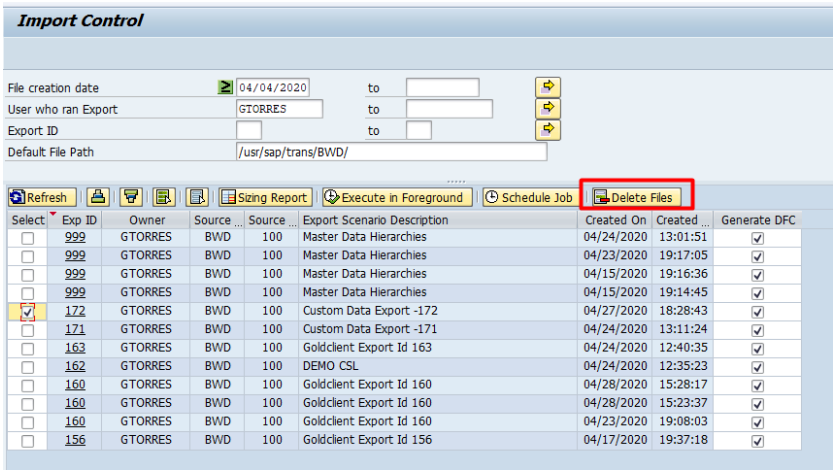
Hence, it is possible to import hierarchies which already exist in the target system by accepting the default GOLD CLIENT generated name for the hierarchy or the user can specify a different name.

Import File/s Maintenance

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

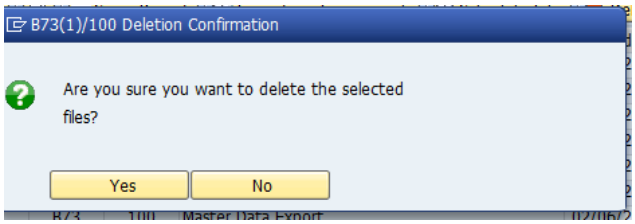
- Choose Delete Files from within the Import Control.

Figure 1.9.10



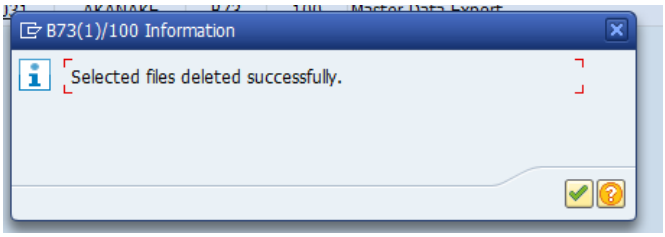
A pop up box to notify the user and asking for confirmation of deletion process will appear. Strike the 'Enter' key to will confirm deletion.

Figure 2.0



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.

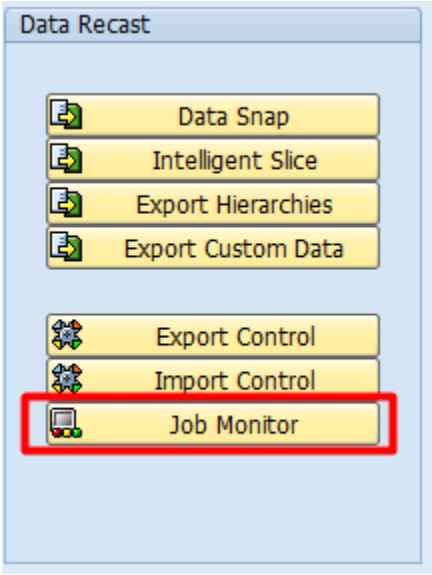
Figure 2.1.0



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.

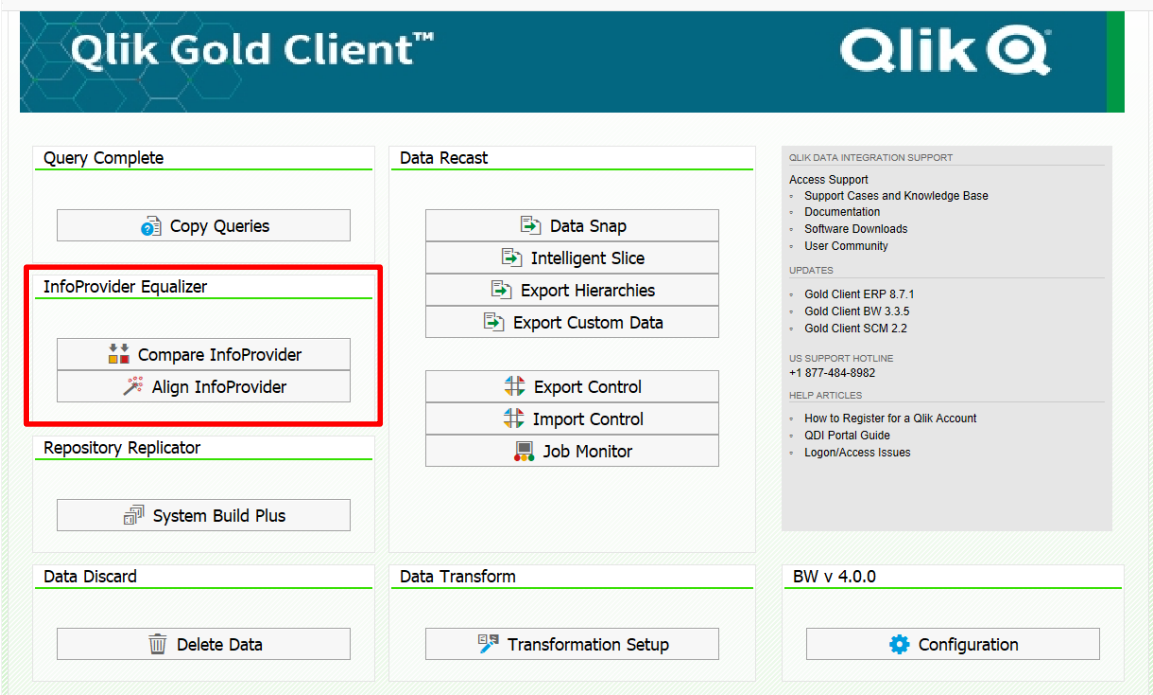
Figure 2.1.1



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

Info Provider (Equalizer)

Figure 2.1.2

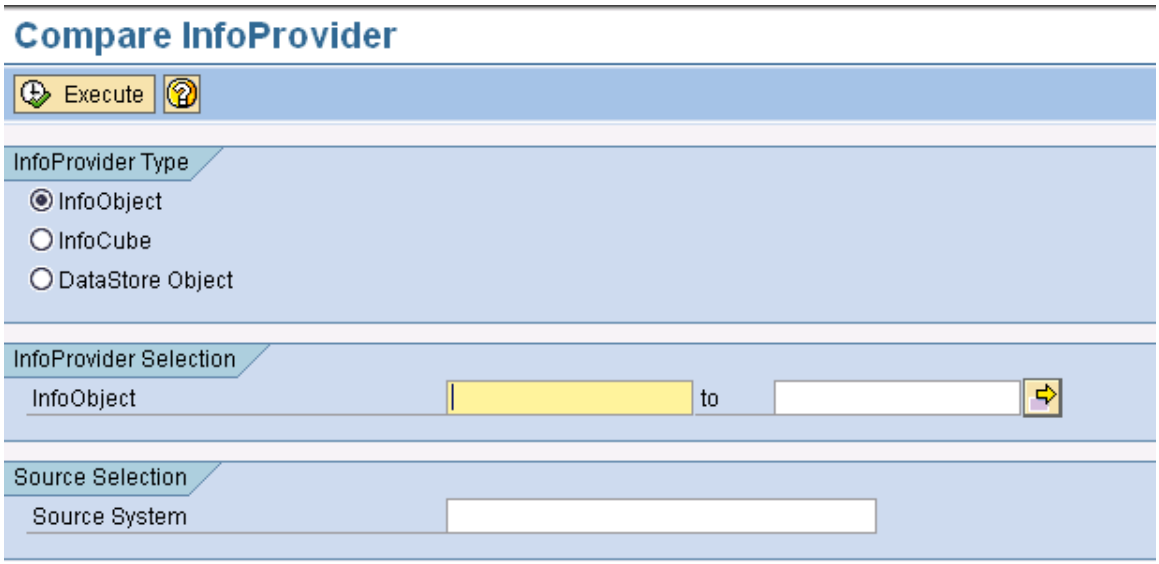


Compare Info Provider

This function allows for comparison of Info Objects, Info Cubes and DSO structures and properties between the current BW system and a target BW system.

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

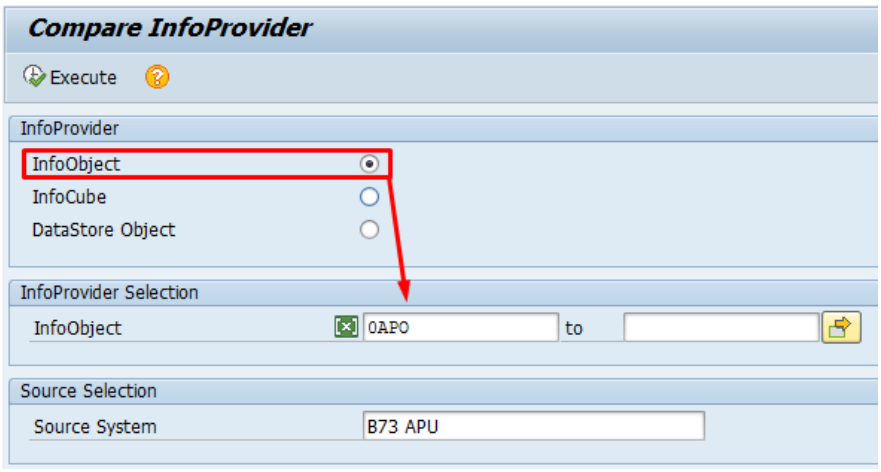
Figure 2.1.3



Three examples are shown below:

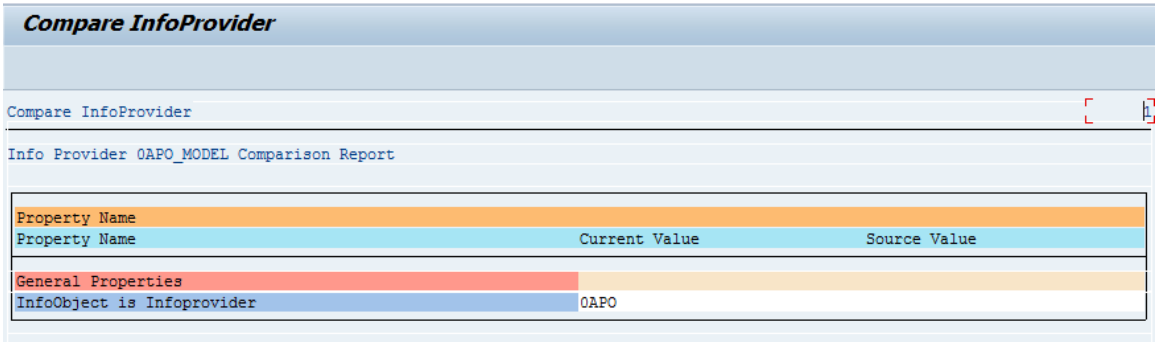
1. Compare Info Provider for on your target system.
    - Select Info Object from the Info Provider type
    - Enter Info Object(s) in the Info Provider Selection
    - Enter the RFC destination of the BW system the Info Object is being compared to
    - Press the Execute button

Figure 2.1.4



A sample output report is shown below.

Figure 2.1.5



The compare Info Provider function for Info Objects will list:

· General Properties

Data Type

Conversion Routine

Length

Output Length

Info Object 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

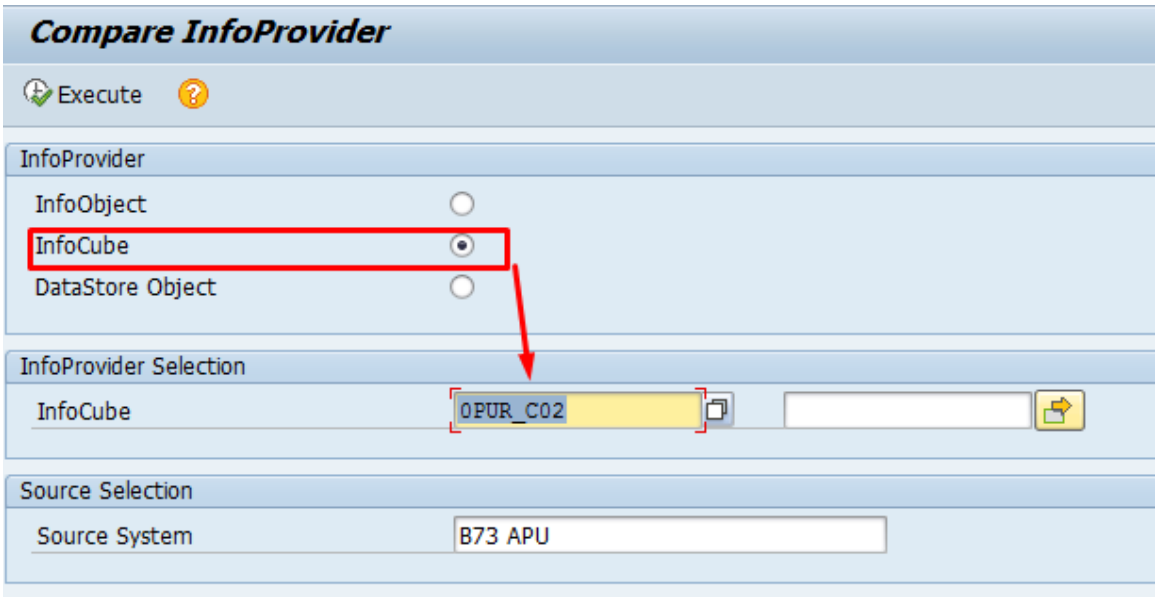
Missing/Extra Display/Navigation Attributes

· **Compounding Properties**

Number of Compounding Objects

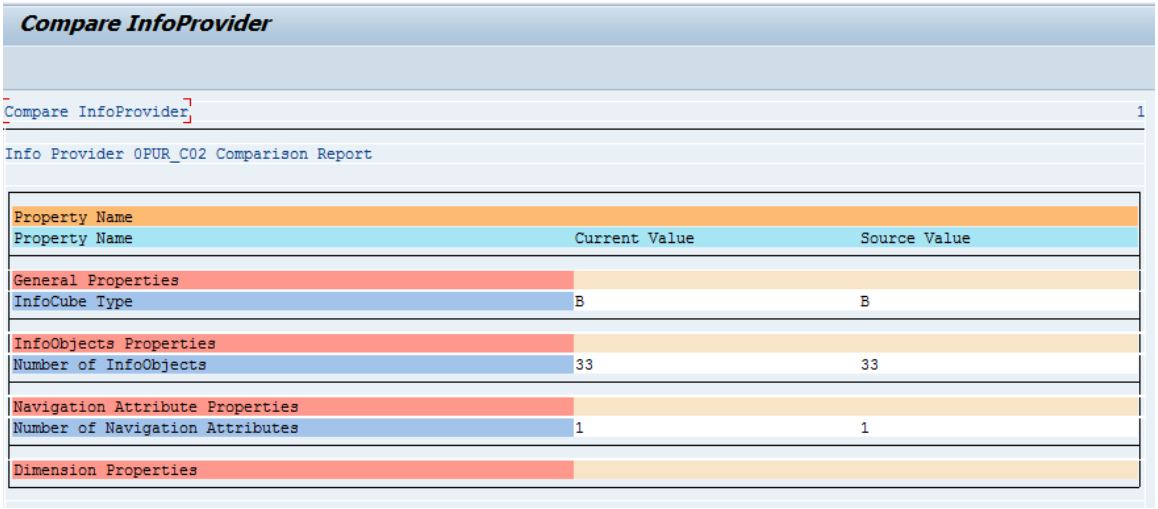
Missing/Extra Compounding Object

Figure 2.1.6



A sample output report is shown below.

Figure 2.1.7



2. Compare Info Provider for Info Cubes

- Select Info Cube in the Info Provider type
- Enter Info Object(s) in the Info Cube Selection
- Enter the RFC destination of the BW system the Info Cube is being compared to
- Press the Execute button

The compare Info Provider function for Info Cubes will list:

· General Properties

Info Cube type

· Info Object Properties

Number of Info Objects

Missing/Extra Info Objects

· Navigation Attribute Properties

Number of Navigation Attributes

Missing/Extra Navigation Attributes

· Dimension Properties

Number of Dimensions

Change in Info Objects in Dimensions

3. Compare Info Provider for DSO

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

The compare Info Provider function for DSO will list:

· General Properties

Type of Data Store Object

SID Generated

Set Quality Status to 'OK' Automatically

Activate Data Store Object Data Automatically

Update Data from Data Store Object Automatically

· Key Field Properties

Number of Key Fields

Missing/Extra Info Objects

- **Data Field Properties**

  Number of Data Fields

  Missing/Extra Info Objects

- **Navigation Attribute Properties**

  Number of Navigation Attributes

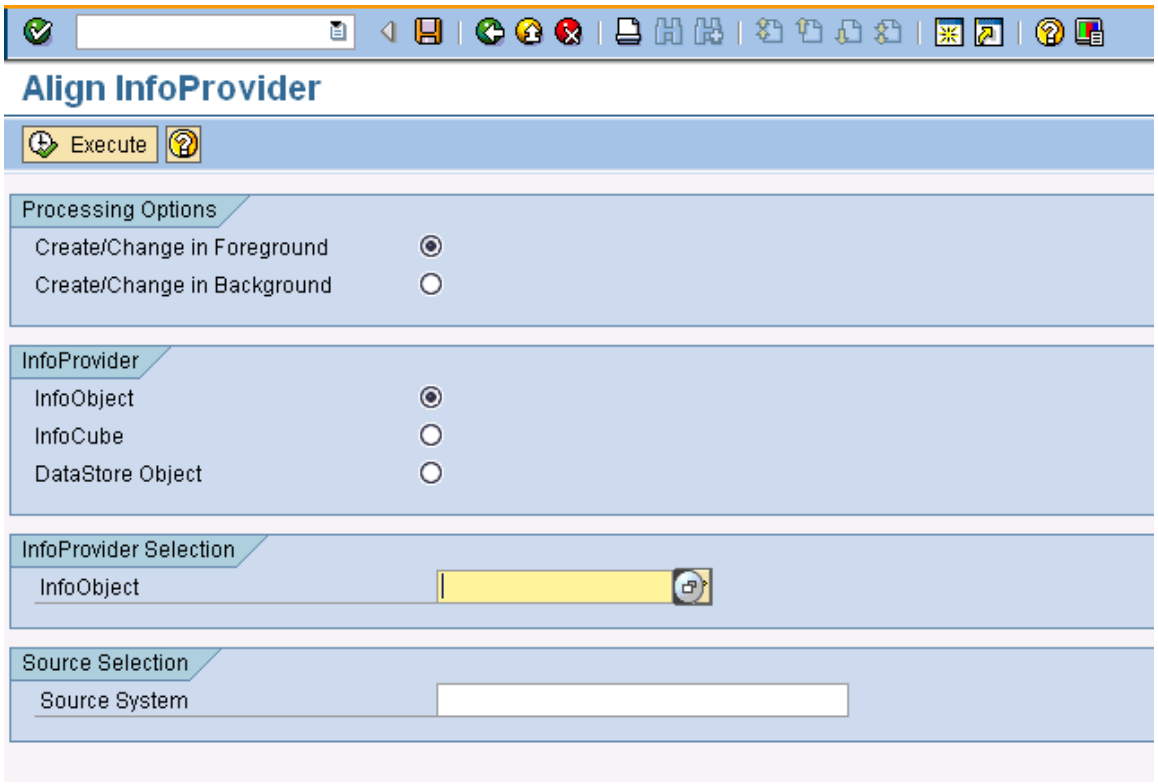
  Missing/Extra Navigation Attributes

Align Info Provider (Equalizer)

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

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

Figure 2.1.8



To run this function

- Select Info Object, Info Cube or DSO in the Info Provider type
- Enter the names of Info Object(s)/Info Cube(s) or DSO(s) in the Info Provider Selection
- Enter the RFC destination of the BW system the Info Providers should be copied from in the Source system
- Press the Execute button

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

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

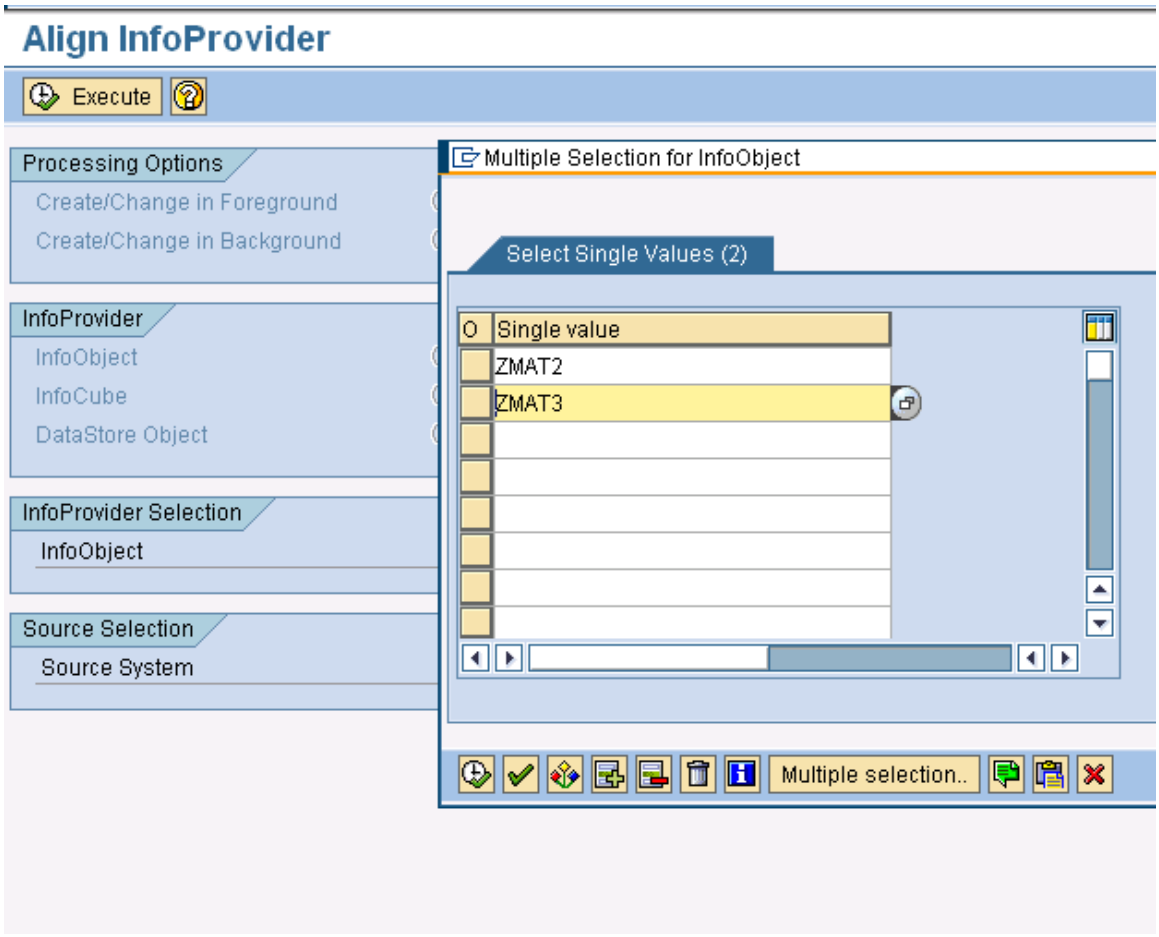
If the selected objects are custom developed, then these objects will be created and activated in the system based on the definition in the target system.

E.g. Info Objects ZMAT2 and ZMAT3 do not exist in the current system.

Select Info Object in Info Provider type

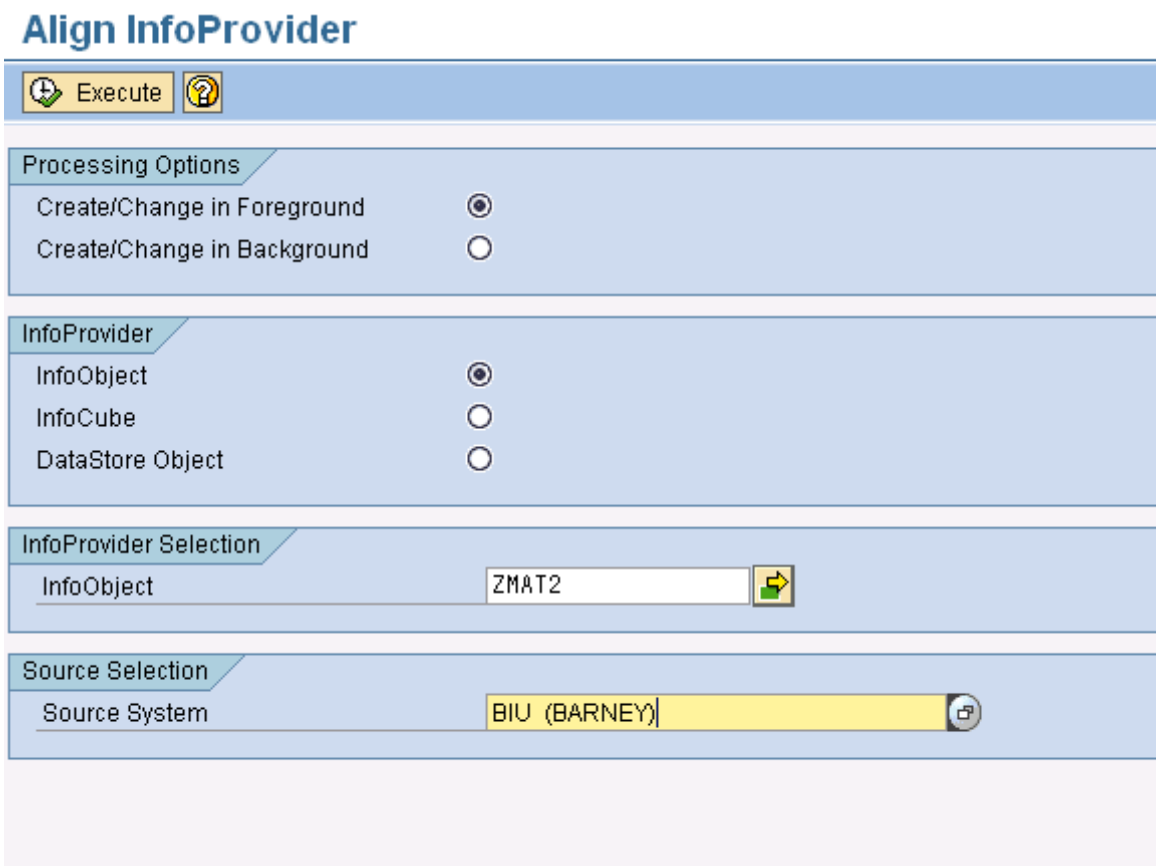
Enter name of Info Objects which need to be created. (Only one or multiple single values are allowed. These can be entered manually, copied from a clipboard or copied from a file)

Figure 2.1.9



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

Figure 2.1.10



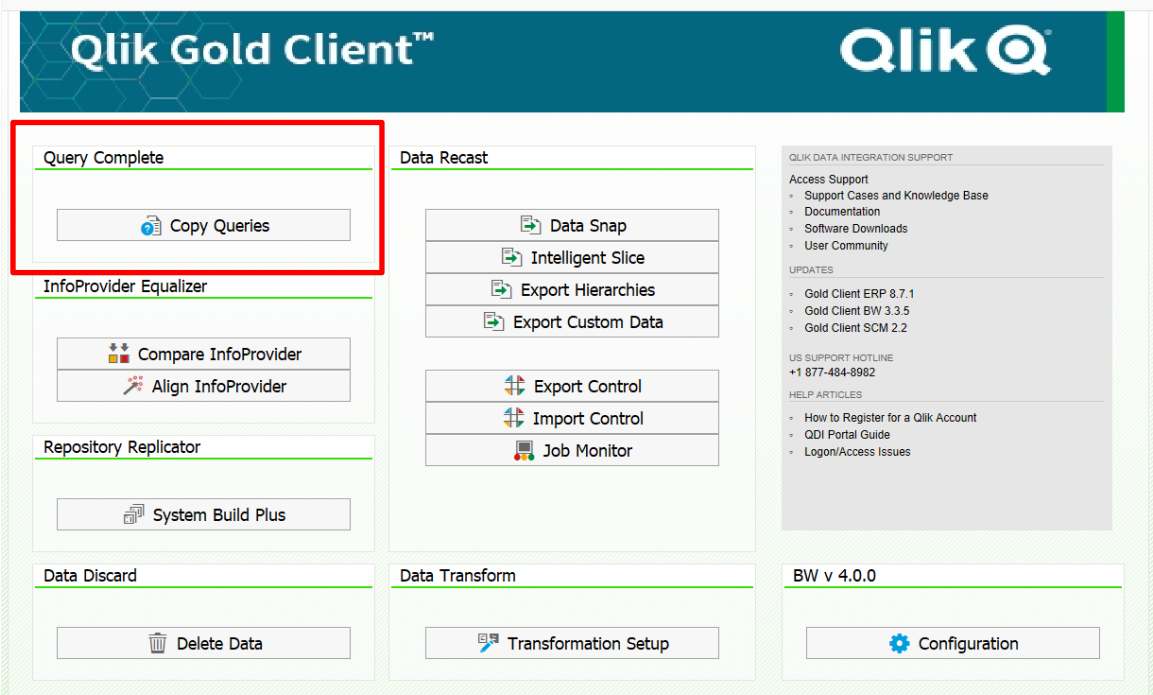
Press the Execute button.

The selected Info Objects 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 etc.).

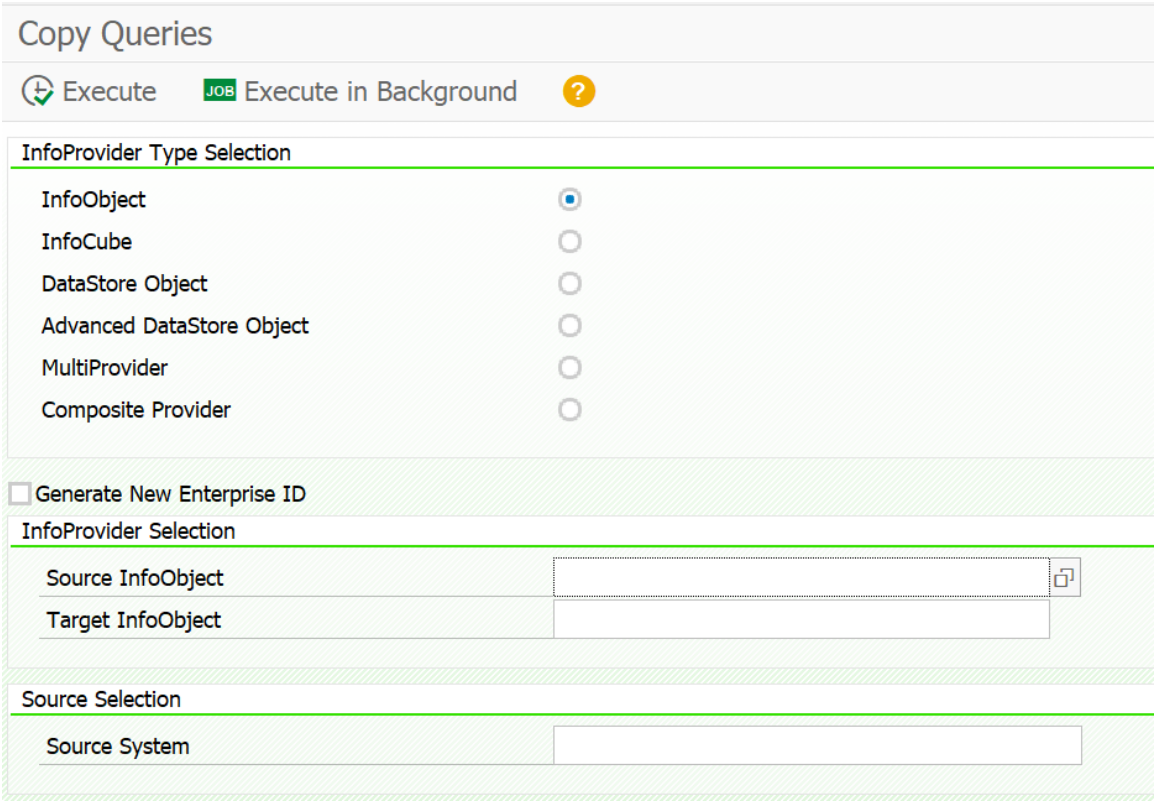
Figure 2.2.0



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 2.2.1

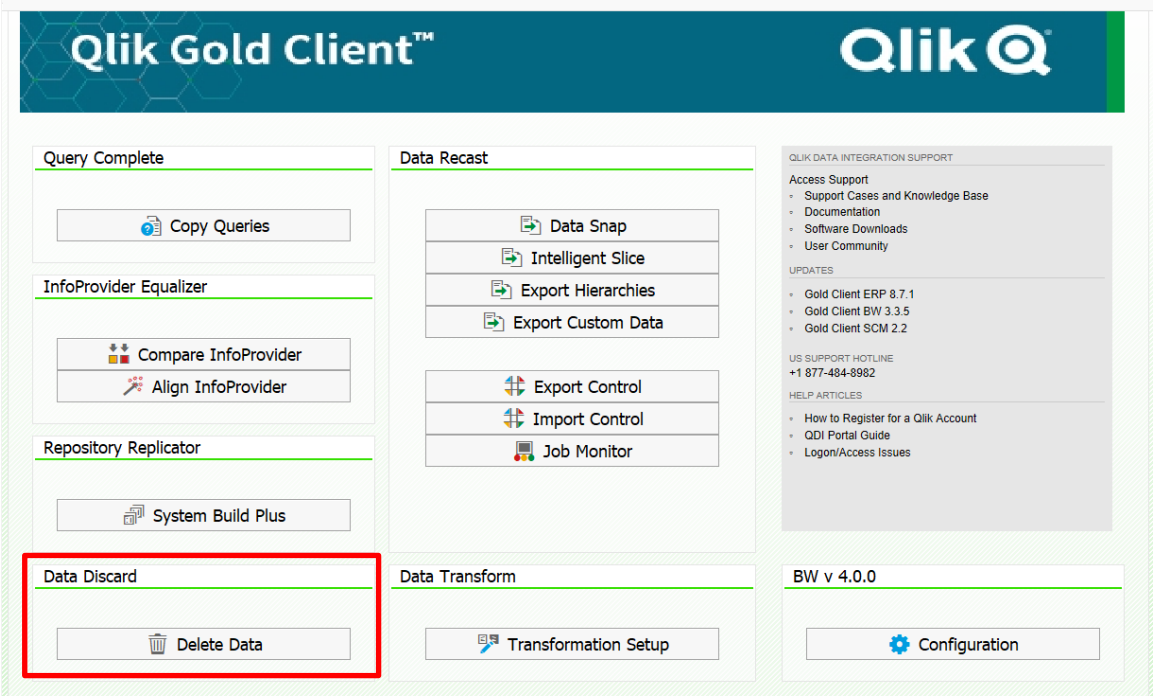


PREREQUISITE: Ensure that the Source System is a valid RFC destination.

Data Discard

The "Data Discard" 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.

Figure 2.2.2



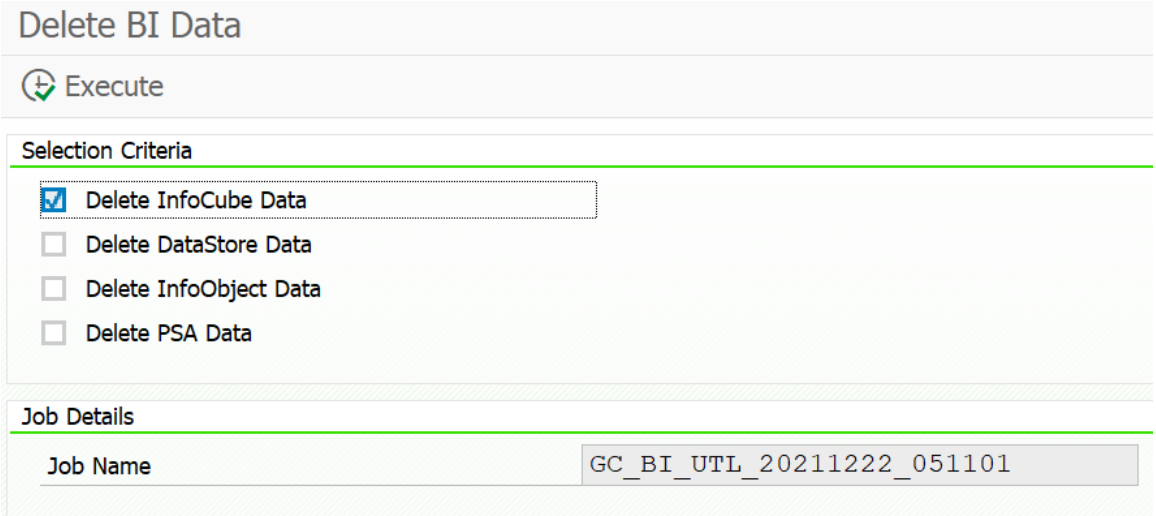
On entering this utility, the users will be presented the following screen;

Figure 2.2.3

As a practice, the transaction data drop should preceed 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 Info Cube Data" option as follows and "Execute";

Figure 2.2.4



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

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

Figure 2.2.5

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 1 & 2 have completed, only then kick off this step. Select only the "Delete Info Object Data" option and "Execute"

Figure 2.2.6

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

4. Now select only the "Delete PSA Data" option and "Execute"

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 2.2.7

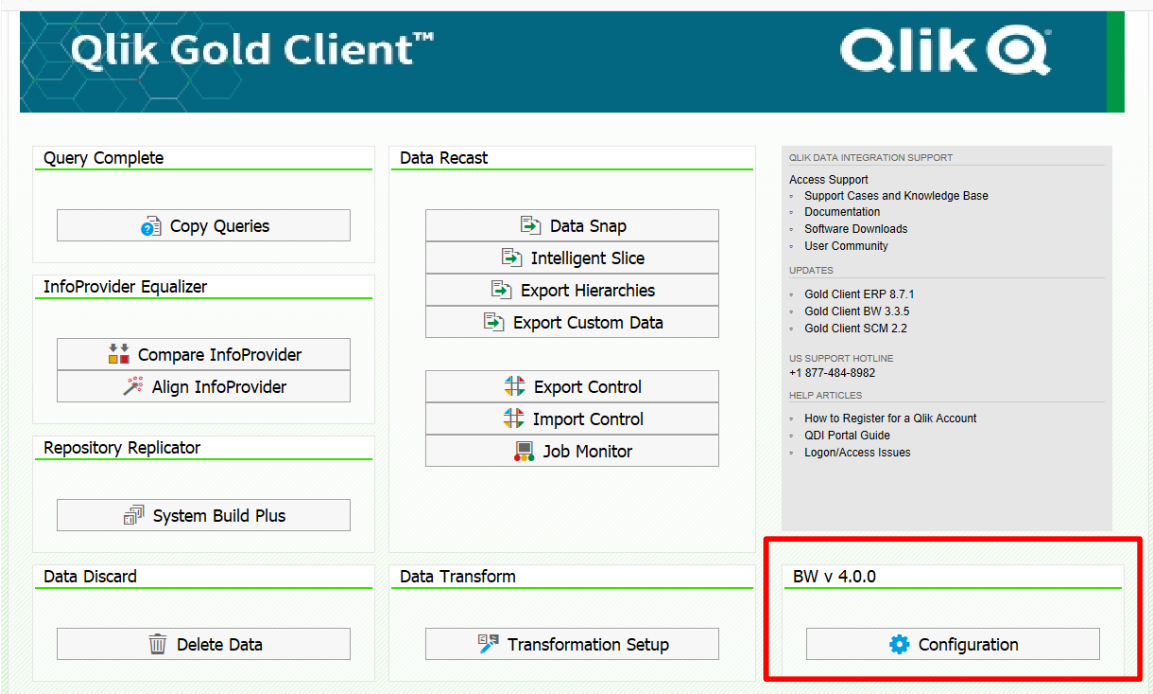
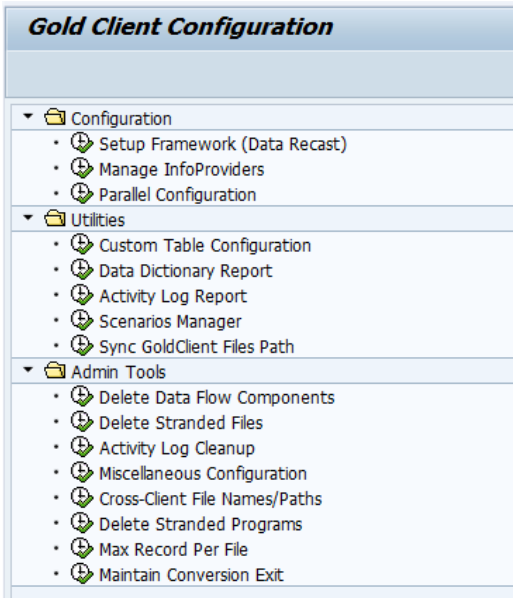


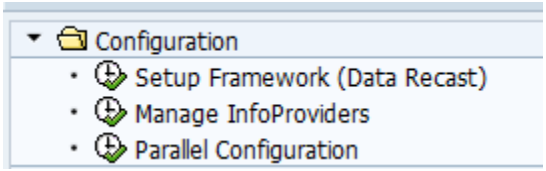
Figure 2.2.8



Configuration

Configurations are the initial steps required to be configured when Gold Client is first installed. This function is also to be used when any additional Object are added on the source system.

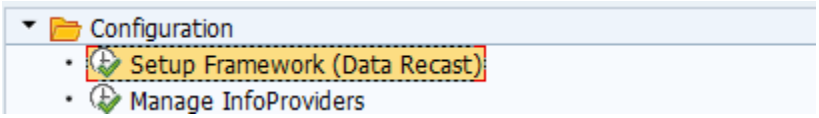
Figure 2.2.9



Setup framework

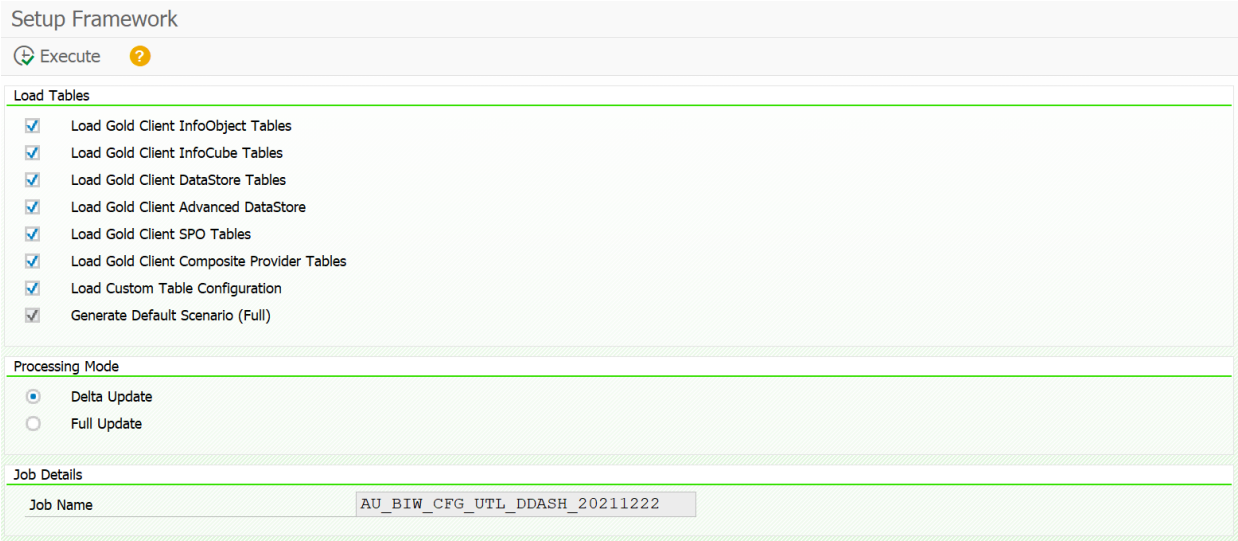
The Setup Framework job needs to be run in each system from where data is going to be exported. It is not necessary to run this job in systems (e.g. Sandbox) from which data is never going to be exported

Figure 2.2.10



The Setup Framework job entails identifying all active Info Objects, Info Cubes, DSOs and Semantic Partitioned Objects (SPOs) which exist in the system.

Figure 2.3.0



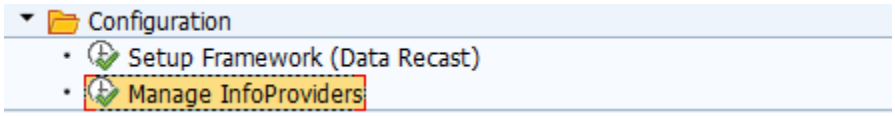
It is recommended that this job be scheduled in "Full Update" mode once the Gold Client BW installation is complete and then scheduled in "Delta Update" mode as a daily/weekly job as per the transport schedule for the system. E.g. If this is the Production system and transports are moved every week on 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.

Manage Infoprovider

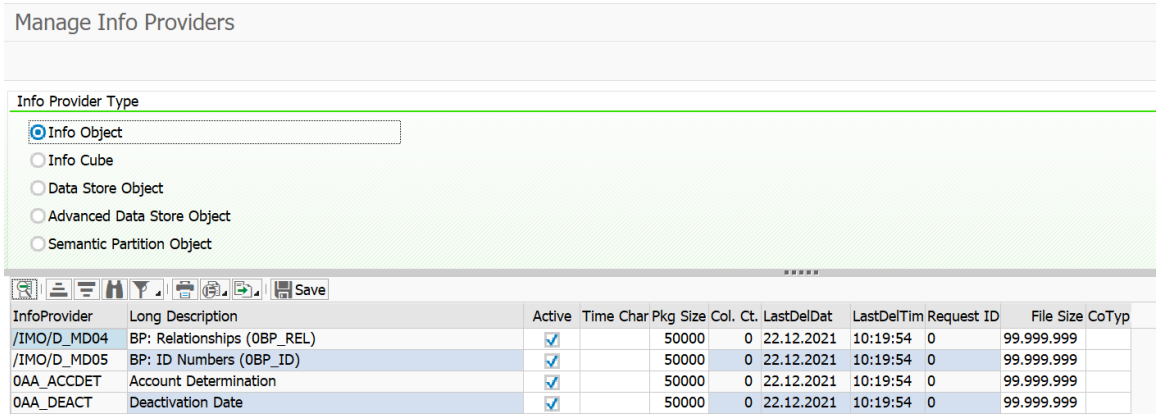
This functionality is to manage the info providers by changing the default time characteristics and the package size assigned to them. Running Manage Info Providers also helps in identifying all info provider available on the source and target systems. As seen on the Figure 1.1.2 on every info provider type selected the user has the opportunity to update the information on Time characteristic, Package size and Active Flag.

Figure 2.3.1



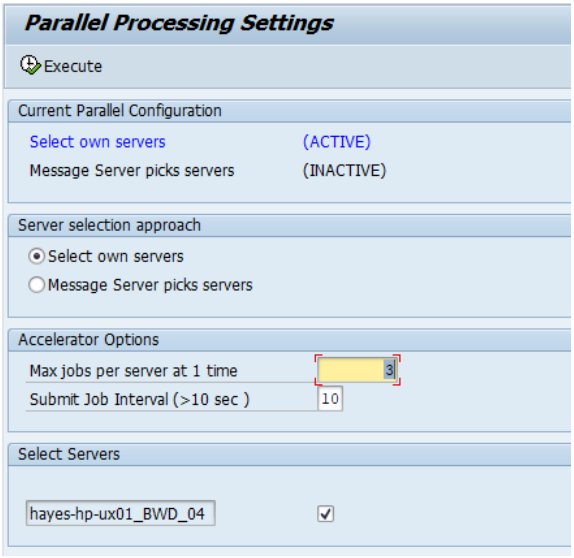
The SAVE button will save all the new changes to the info providers.
Once we have all the information ready, we can create the export ID and scenarios automatically.

Figure 2.3.2



Parallel Configuration

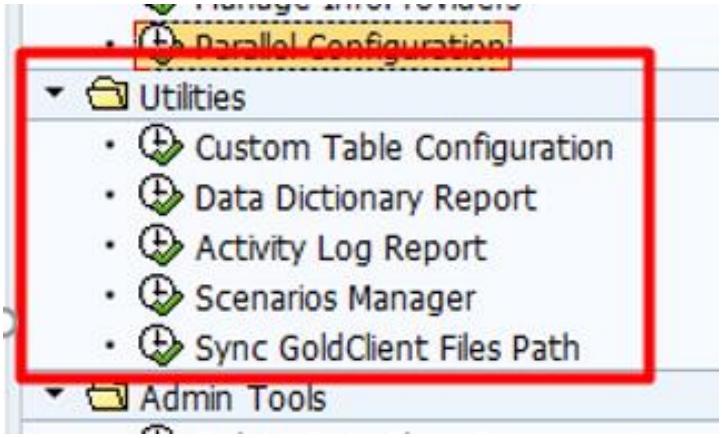
This utility is used to establish important constraints for exports which utilize parallel background processes. These settings help ensure that the Gold Client exports are executed using a reasonable and realistic number of background process. The parameters consist of the number of background processes that can be consumed per server, and on which servers the exports can be executed. These are global parameters.



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.

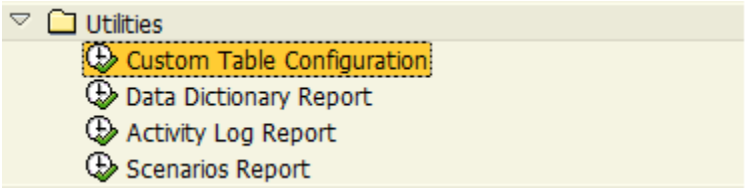
Figure 2.3.3



Custom Table Configuration

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

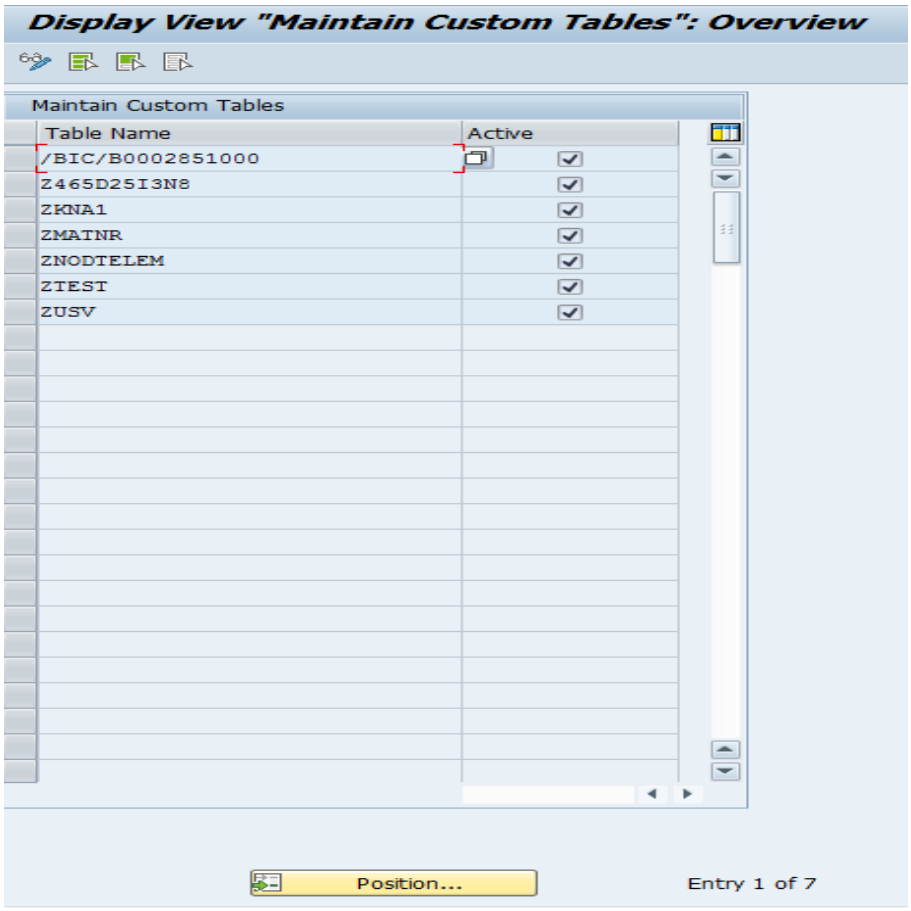
Figure 2.3.4



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 2.3.5



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.

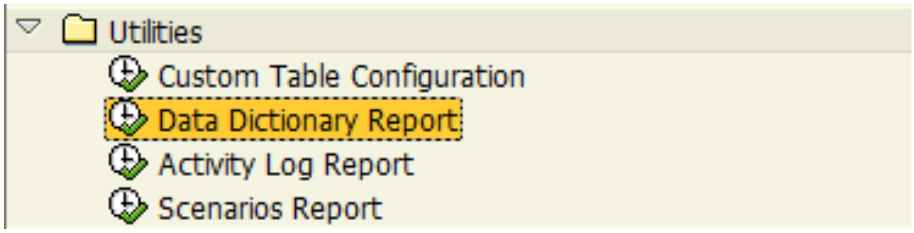
It is not possible to export data for any custom table which does not have a corresponding entry in this utility table and is marked as not ACTIVE.

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

Data Dictionary Table Report

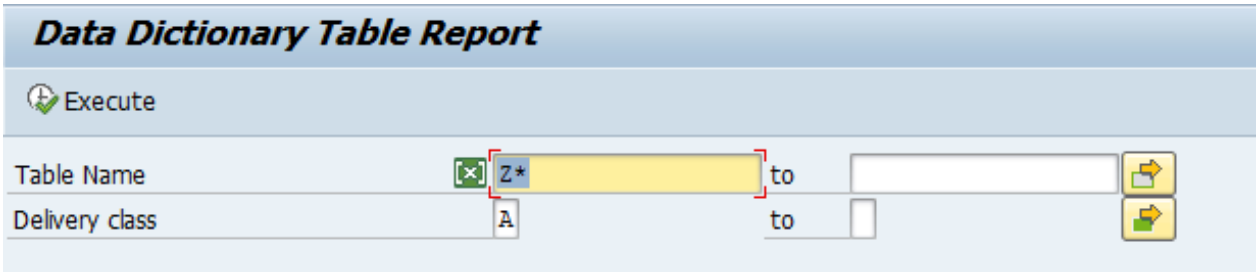
The Data Dictionary Table report allows the users to identify all custom tables existing in the BW system.

Figure 2.3.6



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

Figure 2.3.7



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

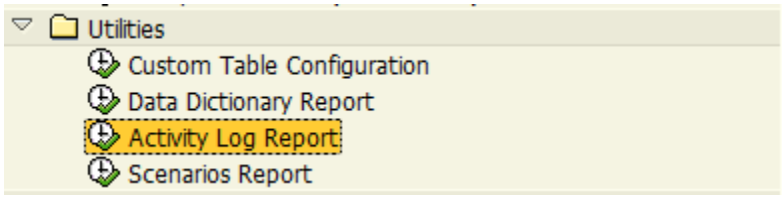
Users have the flexibility to change the default selection options.

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 2.3.8



Users can view the report by:
· User name (person generating the export/import)
· Created on
· Data type (e.g. for Info Object 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 Info Provider)

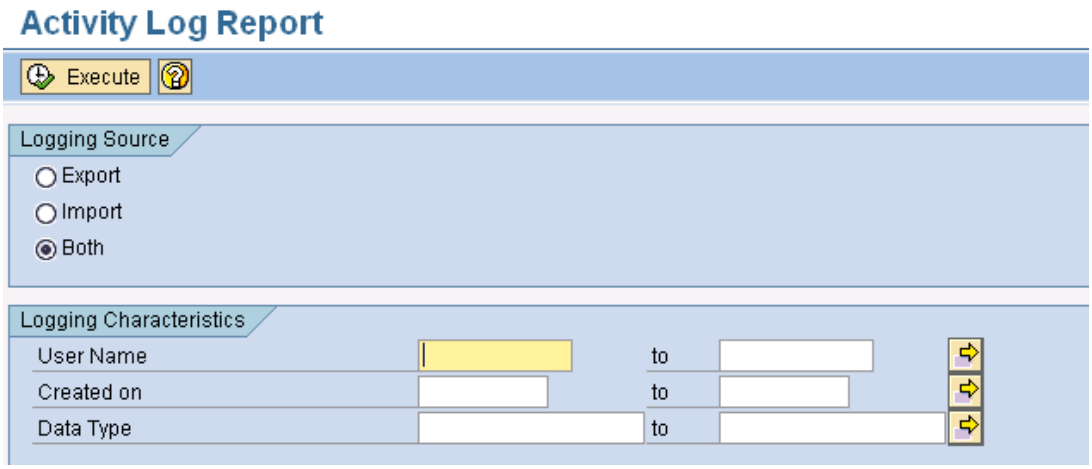
· Scenario number (if applicable)

· Collection Count (Number of records processed)

· Seconds and Hours (Duration of Export/Import process)

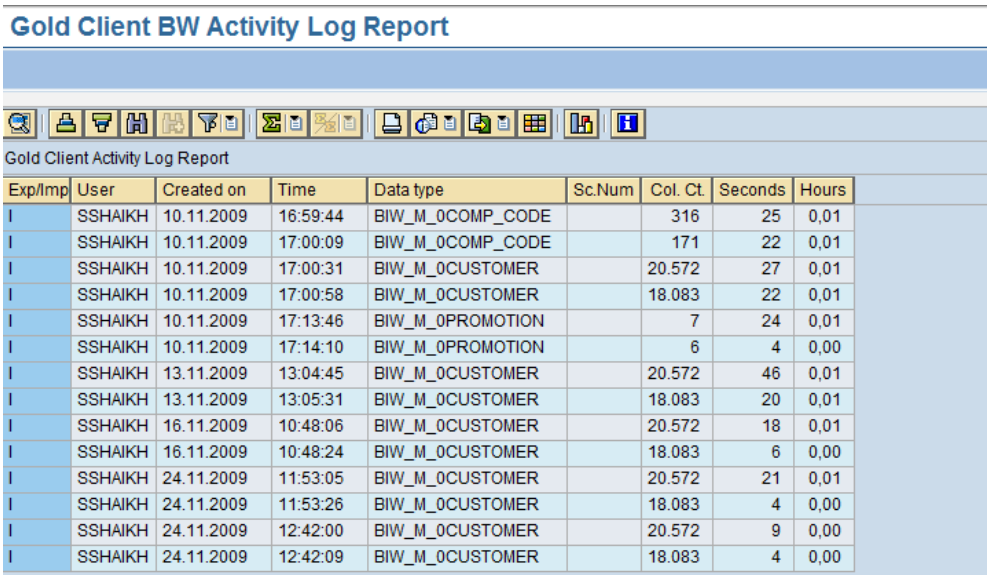
The report results can be seen in Figure 2.3.10.

Figure 2.3.9



The report looks like the following:

Figure 2.3.10



Gold Client BW Activity Log Report

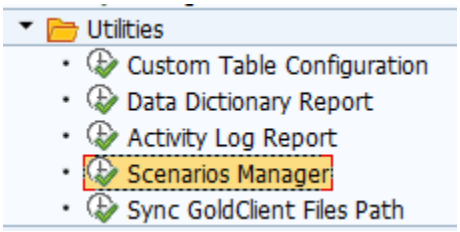
Gold Client Activity Log Report

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

Figure 2.4.0



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

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

Figure 2.4.1

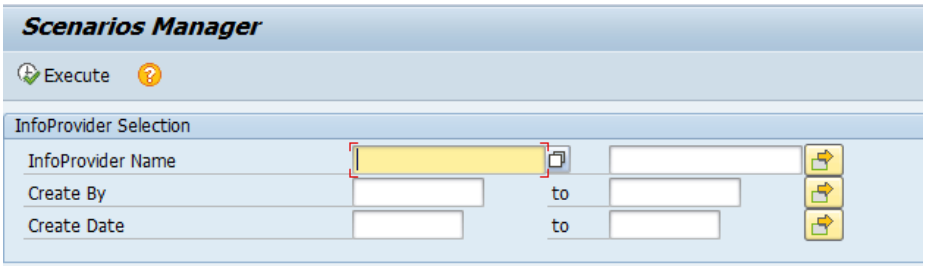
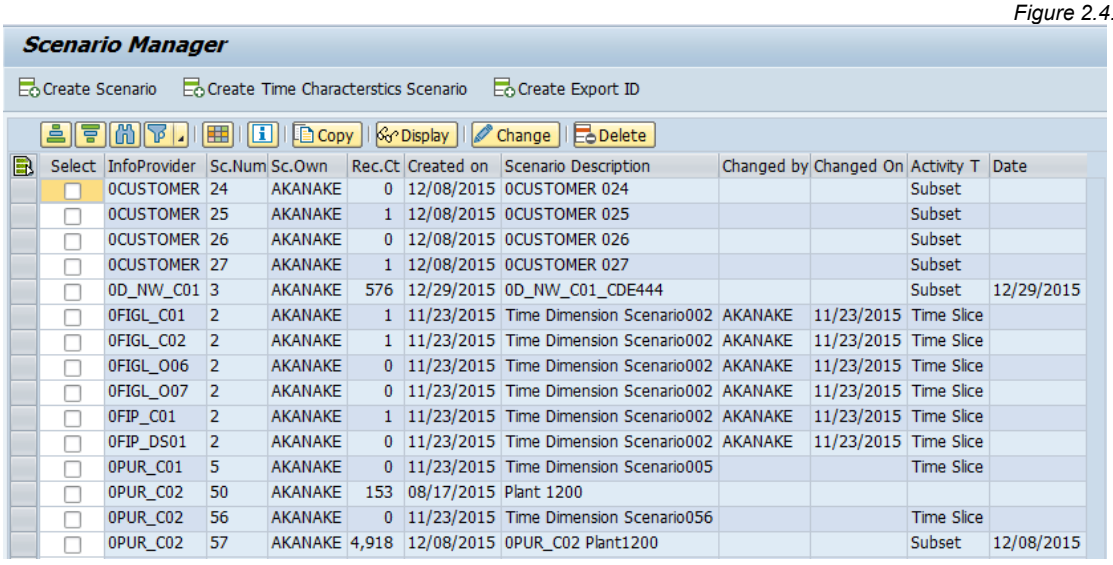


Figure 2.4.2

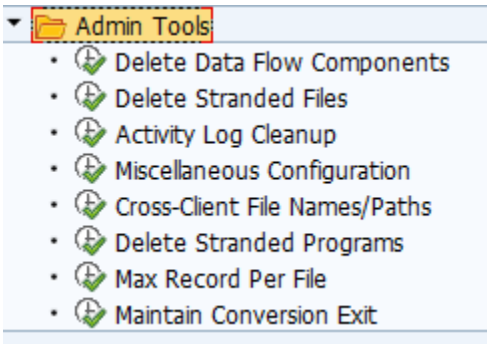


Select	InfoProvider	Sc.Num	Sc.Own	Rec.Ct	Created on	Scenario Description	Changed by	Changed On	Activity T	Date
☐	0CUSTOMER	24	AKANAKE	0	12/08/2015	0CUSTOMER 024			Subset	
☐	0CUSTOMER	25	AKANAKE	1	12/08/2015	0CUSTOMER 025			Subset	
☐	0CUSTOMER	26	AKANAKE	0	12/08/2015	0CUSTOMER 026			Subset	
☐	0CUSTOMER	27	AKANAKE	1	12/08/2015	0CUSTOMER 027			Subset	
☐	0D_NW_C01	3	AKANAKE	576	12/29/2015	0D_NW_C01_CDE444			Subset	12/29/2015
☐	0FIGL_C01	2	AKANAKE	1	11/23/2015	Time Dimension Scenario002	AKANAKE	11/23/2015	Time Slice	
☐	0FIGL_C02	2	AKANAKE	1	11/23/2015	Time Dimension Scenario002	AKANAKE	11/23/2015	Time Slice	
☐	0FIGL_O06	2	AKANAKE	0	11/23/2015	Time Dimension Scenario002	AKANAKE	11/23/2015	Time Slice	
☐	0FIGL_O07	2	AKANAKE	0	11/23/2015	Time Dimension Scenario002	AKANAKE	11/23/2015	Time Slice	
☐	0FIP_C01	2	AKANAKE	1	11/23/2015	Time Dimension Scenario002	AKANAKE	11/23/2015	Time Slice	
☐	0FIP_DS01	2	AKANAKE	0	11/23/2015	Time Dimension Scenario002	AKANAKE	11/23/2015	Time Slice	
☐	0PUR_C01	5	AKANAKE	0	11/23/2015	Time Dimension Scenario005			Time Slice	
☐	0PUR_C02	50	AKANAKE	153	08/17/2015	Plant 1200				
☐	0PUR_C02	56	AKANAKE	0	11/23/2015	Time Dimension Scenario056			Time Slice	
☐	0PUR_C02	57	AKANAKE	4,918	12/08/2015	0PUR_C02 Plant1200			Subset	12/08/2015

Admin Tools

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

Figure 2.4.3

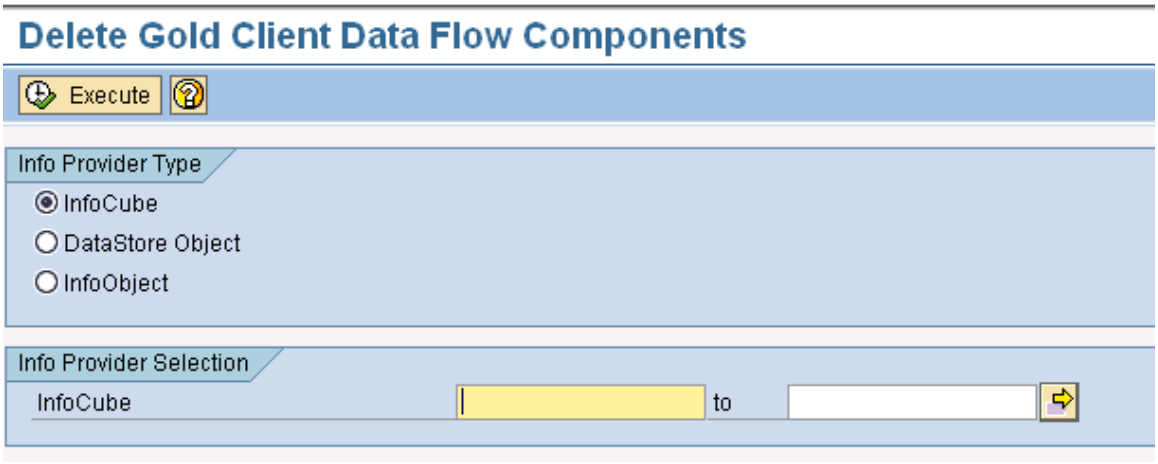


Delete Data Flow Components

When importing data, Gold Client BW will automatically create relevant data flow components such as Info Package, Info Source, 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 2.4.4



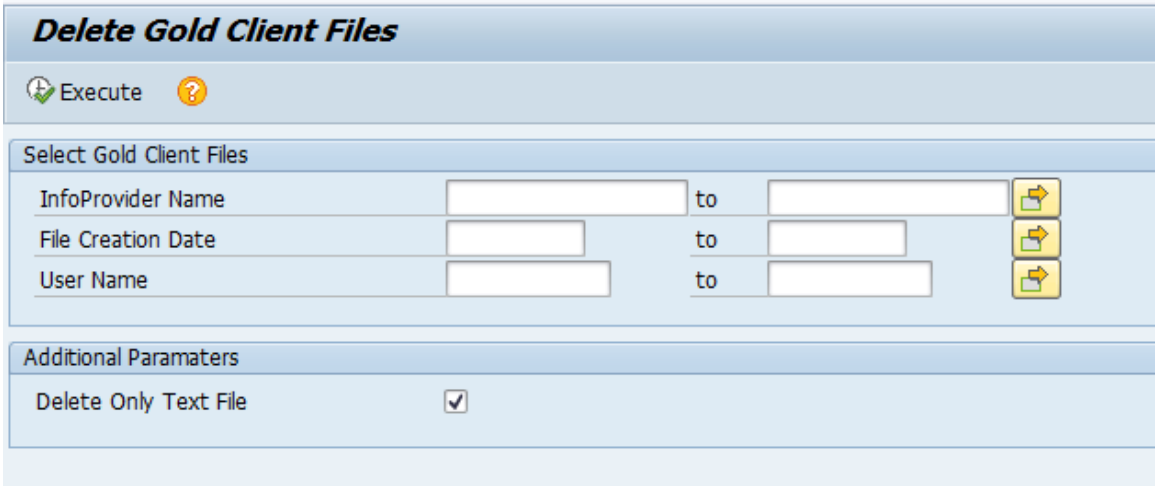
Delete Files Cleanup

This utility will enable users to delete all the data files generated by Gold Client BW. Files can be selected by Info Provider 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.

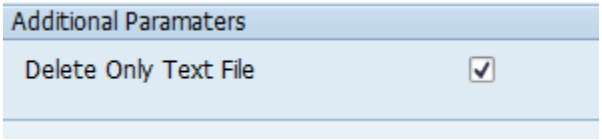
Figure 2.4.5



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.

Figure 2.4.6

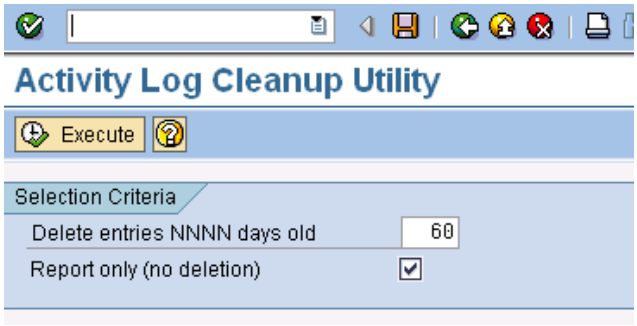


NOTE: This does not delete the generated export files used in imports. Users will still be able to import the data contained in the files at a later time.

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 2.4.7



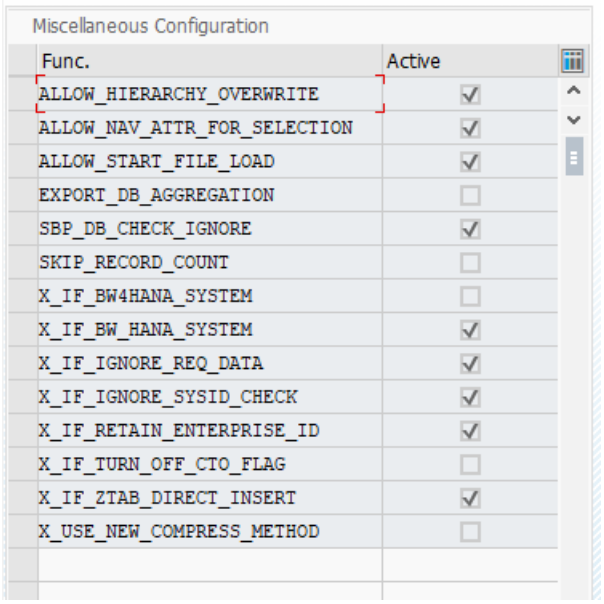
Report Only function allows the Administrator to view the Logs that are going to be deleted.
Leaving this indicator on will present a report of the entries to be deleted. No actual deletion will take place. It is recommended that the GOLD CLIENT Administrator run a report first and then schedule the 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 2.4.8



HANA Systems
Please use the following settings for HANA systems:
X_IF_BW4HANA_SYSTEM – turn on for BW4/HANA systems
X_IF_BW_HANA_SYSTEM – turn on for BW on HANA systems

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.

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.

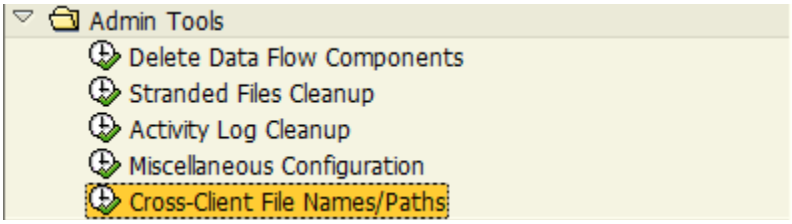
PERFORM_RECORD_COUNT

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

Cross-Client File Names/Paths

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

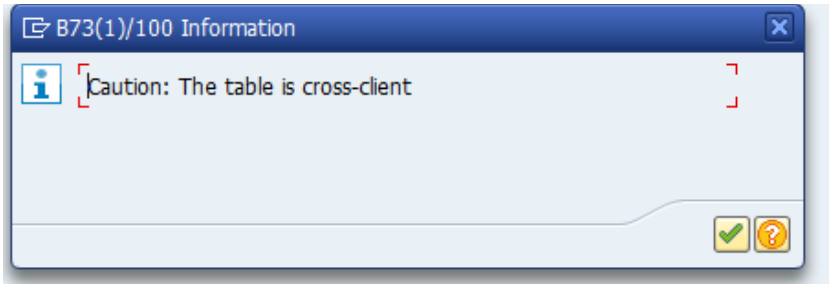
Figure 2.4.8



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

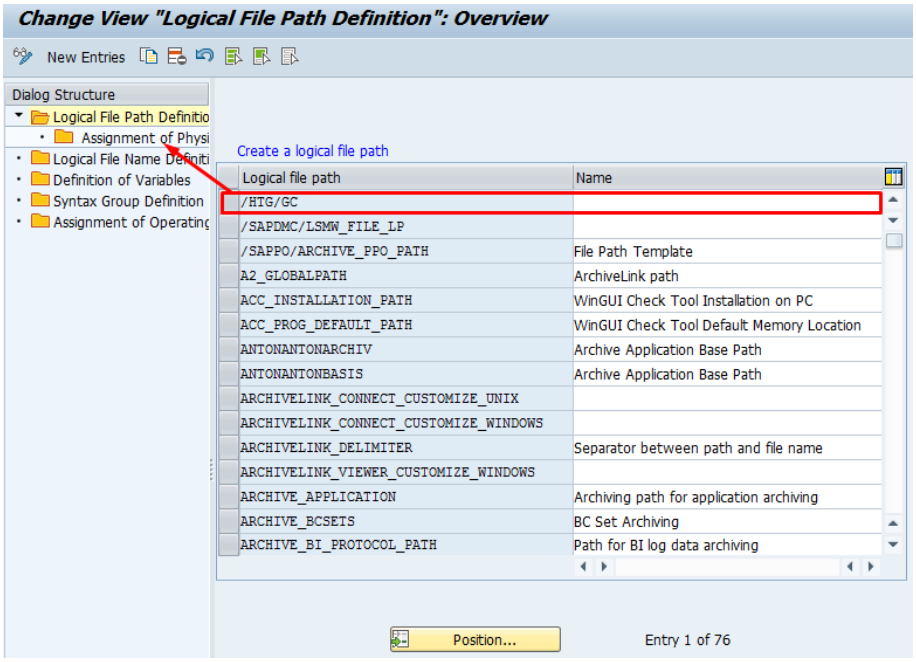
also be transported using the transportation layer all the way up till the source BW system.

Figure 2.4.5



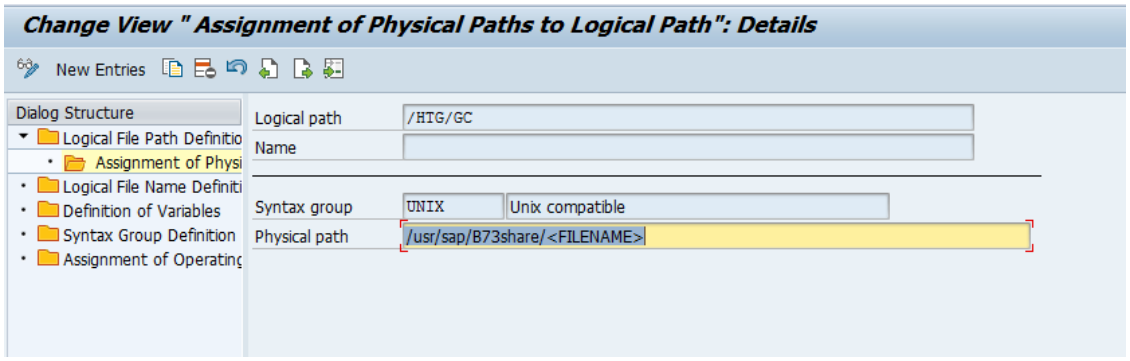
Select the logical file path "/HTG/GC" and then click on "Assignment of Physical Paths to Logical Path".

Figure 2.4.6



Enter the physical file path here:

Figure 2.4.7



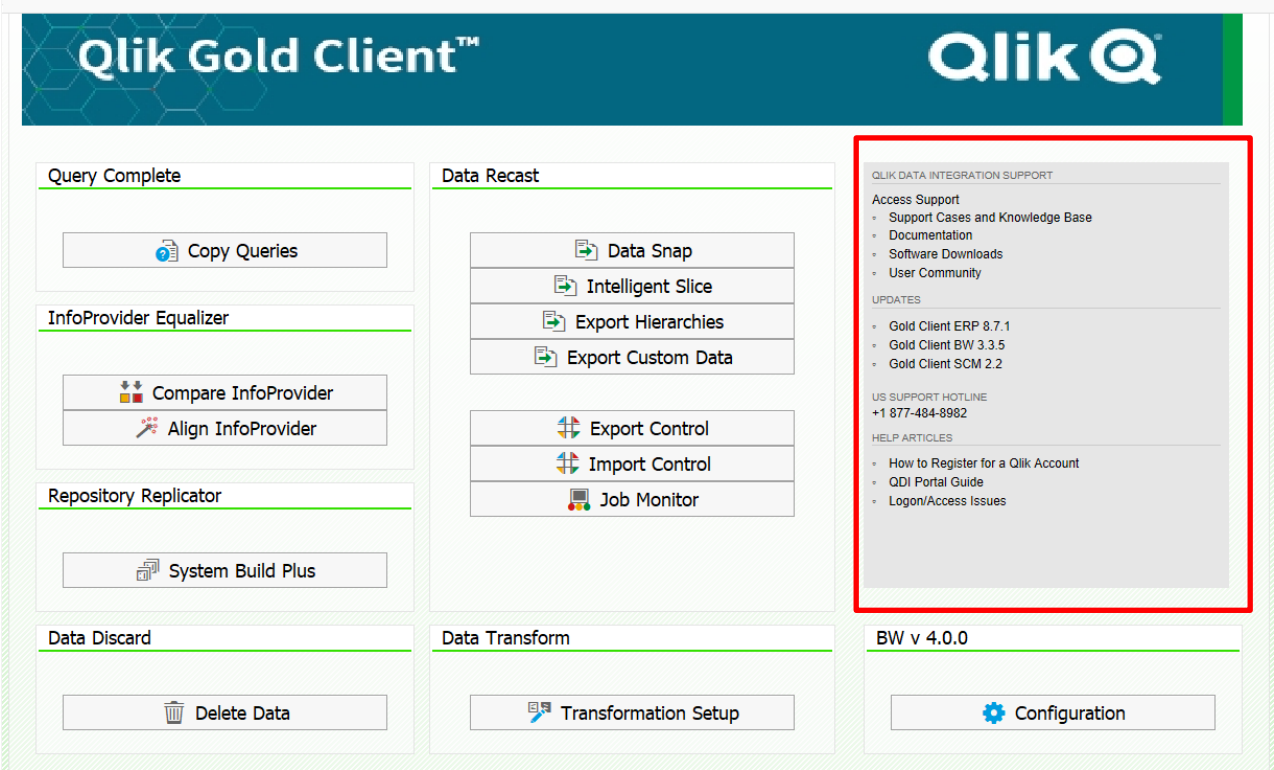
File Mount

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.

News Widget

Figure 2.4.8



Keep informed 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 Qlik news and Support site info.

Support Information

Qlik Analytics (ISR) Ltd. can be contacted either by telephone or via email. Any support related issue regarding problems with or use of the Gold Client 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 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 Qlik 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 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 Qlik and the client.

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United States

Website:

https://www.qlik.com/us/products/qlik-gold-client

Contact:

goldclient.support@qlik.com

1-877-484-8982 (Toll Free in the USA)