
Implementation Guide for Qlik Gold Client BW

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Introduction

This document will guide the customer through the Gold Client implementation and training process for SAP BW landscapes. The contents of this document are typically reviewed with the Qlik Delivery Manager during a Gold Client Deployment Meeting.

The Gold Client implementation and training process is divided into four phases.

- **Phase 1 – Pre-Install** - Customer preparation tasks
- **Phase 2 – Confirmation** - One-hour remote meeting to confirm setup tasks
- **Phase 3 – Implementation and Training** – Onsite/Remote meetings, configuration, training tasks
- **Phase 4 – Post-Install** – Address any open items or questions from install

Please refer to the Checklist in the Appendix section to track the progress of these phases. Following the process in this guide will ensure a successful implementation.

Phase 1 – Pre-Install

The following steps are part of the planning and preparation process.

1. Define Customer Resource Roles

Project Manager – Primary contact between the Customer and Qlik for the duration of the project. Coordinates schedule for technical and functional resource participation in Gold Client setup and training activities.

Project Manager Name: _____

Gold Client Technical Lead – Designated Gold Client administrator for the Customer. SAP Basis experience preferred but not required. Will work with Qlik resources during implementation to understand Gold Client architecture and administration functions.

Technical Lead Name: _____

Gold Client BW Lead - Designated data expert for the Customer. Needs to understand the SAP business processes for the Customer. Will work with the Customer SAP BW Team to collect data examples to validate the Gold Client configuration during the implementation. Will participate in all Gold Client implementation and training activities.

BW Lead Name: _____

2. Define Customer SAP Landscape

The following information should be collected to help Qlik Gold Client Team understand the Customer’s SAP environment.

SAP Applications/Versions: _____

Production Database Size: _____

Database Version: _____

Active SAP Modules: _____

SAP Go-Live Year: _____

SAP Go-Live Version: _____

Hardware/Storage: _____

Operating System Version: _____

3. Identify Source System/Client for Implementation

Production or a recent (6 months or less) copy of Production can be used as a source system for Gold Client master and transactional data exports. Exporting data is a read-only process and the Customer can control how many SAP background jobs are used during the export. Gold Client cannot delete or import data in a Production system.

Source System: _____

4. Identify Target System

Determine which system will be used as a target for the copied data during the Gold Client implementation. Development is typically a system that lacks quality data for adequate testing.

Target System: _____

5. Establish a Shared File System

Gold Client copies master and transactional data using compressed files. These files need to be saved and accessed in a directory common to both Source and Target systems. This eliminates the need to copy files manually between systems. The file system needs meet the following requirements:

- File System must be available to both Source and Target Systems (including any attached Application Servers)
- File System must have at least 30GB of free space
- <SID>adm user must have read/write/delete access to the File System on both Source and Target Systems

Some Customers will create a subdirectory in their SAP transport directory since it typically already shared across servers. A separate directory can be used if there are space concerns in using the SAP transport directory.

6. Install Gold Client Software in Source and Target Systems

Gold Client installation transports can be downloaded from the Qlik Software Download Page. A Support Case assigned to the Customer will contain the instructions to download the correct files.

Import the Gold Client transports in both Source and Target systems. Use Transport Option **Ignore Invalid Component Version** if available. The Gold Client transports only contain objects in Qlik namespace /HTG/ and will not impact any standard SAP objects.

After Gold Client transports are imported successfully, run transaction ZGOLDBW in Source and Target systems to apply the Software Key provided in the Support Case. The Production SID of the landscape needs to be defined when the key is applied to each system.

7. Assign Logical File Path

Use transaction FILE to assign the Gold Client shared directory in Logical Path /HTG/GC. This assignment will generate a transport request, so it is preferred to execute transaction in the Customer Development system where change requests are allowed and move the generated transport to the Source and Target systems using STMS. **(See the Appendix for detailed steps)**

8. Create New File Source System

In target BW system, assign logical system name and source system name with the following steps:

- Transaction RSA1
- Select Tools -> Assignment of Source System to Source System ID
 - Source System ID = ZG

- Text = ZGOLD
- Click Save button

9. Verify Target System is Open for Changes

Use transaction SCC4 on Target System to activate the following settings:

- Automatic Recording of Changes
- Changes to Repository and cross-client Customizing allowed

This is only needed when using Gold Client to copy Data Flow Components the first time. The system can be closed afterwards and only opened when new Data Flow Components are needed.

10. Setup RFC Connections

Use transaction SM59 to ensure an RFC connection exists between source and target system using a named user. This is needed for the Query Copy and Object Compare features.

11. Execute Setup Framework

Run transaction ZGOLDBW and click Configuration button. Double-click Setup Framework (Data Recast) option. This will submit a background job starting with AU_BIW_CFG_UTL* that can be monitored with SM37.

12. Establish Authorization, Network, and System Access

Review the authorizations outlined in the Security section of the Appendix. The Qlik Software Engineer SAP ID should have a BW Admin role to install and configure Gold Client. Key transactions include RSA1 and SM37.

Network access and Logon ID/password for both Source and Target clients needed. Can Qlik laptops be used to access Customer network or will Customer need to provide laptops? VPN access would allow Qlik Software Engineer remote access to monitor data copy process during implementation and address data issues more efficiently during and after the implementation. Please provide any security forms needed for System Access since Qlik Legal approval is required.

13. Define Data Examples

Customer needs to provide specific examples (MD Attributes, MD Text, Hierarchies, InfoProviders, aDSOs) on Source system to copy to Target system with Gold Client for validation by Customer during the implementation. This process will confirm the accuracy of the Gold Client configuration and allow Qlik to make any necessary adjustments before larger volumes of data are copied. Please submit these data examples to Qlik before the Gold Client Implementation.

14. Discuss Use Cases and Timelines

During the Gold Client implementation, the standard use case of copying BW objects to a target system will be reviewed and executed.

When can the Customer complete all objectives defined in Pre-Install Phase? When is the Customer's BW team able to participate in the Gold Client implementation and training process?

Phase 2 – Confirmation

When all items in the Pre-Install Phase are completed, a Confirmation Meeting can be scheduled with Qlik and the Customer's Gold Client project team to ensure all preparation steps are completed. This meeting should occur at least 1 week before the Gold Client Implementation and Training to allow time for any issues reported during confirmation.

The following steps are completed during a typical Confirmation Meeting:

1. Verify File Path

Execute transaction FILE and review setup for Logical File Path /HTG/GC

2. Setup Framework

Confirm Job AU_BIW_CFG_UTL completed successfully using the ZGOLDBW -> Configuration -> Setup Framework (Recast) utility

3. Test Export on Source System

- Execute transaction ZGOLDBW on Source System
- Click Export Control button
 - Click Create button
 - Open Export ID
 - Click Add Container button
 - Add Container 0COMP_CODE
 - Click Save button
 - Select Container and click Execute in Foreground button

4. Test Import on Target System

- Execute transaction ZGOLDBW on Target System
- Click Import Control button
 - Select Export File
 - Click Execute in Foreground
 - Click Add Container button

Confirm that Data Examples are documented and trainees have been assigned to training sessions for the Gold Client implementation.

Not being able to complete these items during the meeting could delay the implementation and training process.

Phase 3 – Implementation and Training

Qlik Software Engineers will work with Customer's SAP technical and BW team to complete Gold Client configuration, data copy process, and team training activities. Implementation and training activities typically occur during the same week.

Implementation

Qlik Software Engineer will work side-by-side with the Customer's Gold Client Technical and BW Lead to complete the following tasks over a period of one day:

Day One

- **Review Use Cases and Data Examples.** This activity Qlik configuring Gold Client BW in the Source System to copy the BW objects examples identified by the Customer to the Target System.
- **Master Data**
 - **Export Master Data** Infoobjects examples from Source System
 - **Import Master Data** into Target System
 - **Validation of Master Data** in Target System by process owners and functional teams
- **Transactional Data**
 - **Export Transactional Data** contained in Infoobjects and DSOs from Source System
 - **Import Transactional Data** into Target System
 - **Validation of Transactional Data** in Target System by process owners and functional teams

Training

Once Target System is loaded with data examples, Qlik can proceed with Functional User training.

Day One

- **Kickoff Meeting/Gold Client Demonstration**

A one-hour meeting for Customer's SAP team (management, functional, and technical). Qlik Software Engineer will introduce the Gold Client BW product, demonstrate all key Gold Client features on the Customer's SAP landscape and address any questions from the Customer's SAP team.
- **Group Training Sessions (x2)**

Two hour training sessions with **1 to 6 users** from the Customer's BW team. Users must first attend Kickoff Meeting/Gold Client Demonstration and provide examples of data to be copied. Training will be hands-on (Source and Target system Gold Client user access required) and cover data selection, data export, data import, configuration, data validation, and various miscellaneous items. All attendees should have at least 1 year of SAP BW experience.

Day Two

- **Group Training Session**

Two hour training session with **1 to 6 users** from the Customer's BW team. Users must first attend Kickoff Meeting/Gold Client Demonstration and provide examples of data to be copied. Training will be hands-on (Source and Target system Gold Client user access required) and cover data selection, data export, data import, configuration, data validation, and various miscellaneous items. All attendees should have at least 1 year of SAP BW experience.

- **Security Meeting**

A one-hour meeting with member of Customer's SAP Security team Customer's Gold Client leads to review the Gold Client Security guide and discuss user roles and responsibilities. This overview can be scheduled any time after the Kickoff Meeting/Gold Client Demonstration.

- **Recap Meeting**

A one-hour meeting to recap the Gold Client Implementation and Training activities with the Gold Client trainees. Customer specific strategies and use cases will be reviewed. Any open items and next steps will be discussed.

Phase 4 – Post-Install

After the Implementation and Training phase, the Qlik Gold Client Delivery Manager should schedule a meeting with the Customer's Gold Client team to review progress, address any questions, and ensure a strategy is in place for using Gold Client. Meetings can be scheduled on a weekly basis as needed until any remaining open items are addressed/resolved.

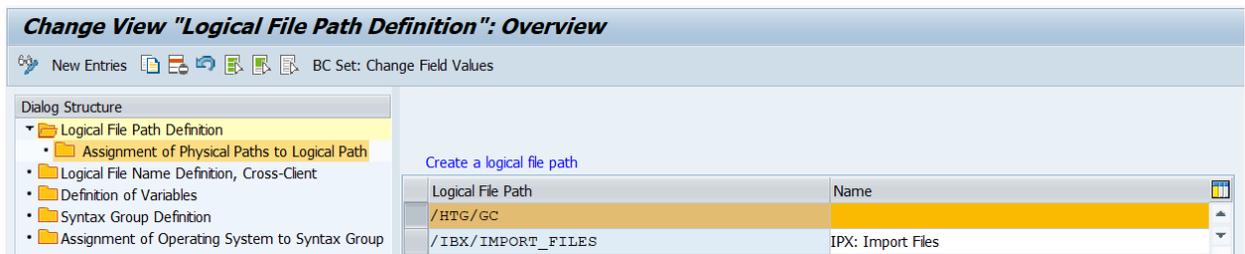
Appendix - Checklist

Please complete the following and provide to Qlik before Gold Client Implementation

1. **Define Customer Resource Roles**
Project Manager Name: _____
Technical Lead Name: _____
BW Lead Name: _____
2. **Define Customer SAP Landscape**
SAP Applications/Versions: _____
Production Database Size: _____
Database Version: _____
SAP Go-Live Year: _____
SAP Go-Live Version: _____
Hardware/Storage: _____
Operating System Version: _____
3. **Identify Source System for Implementation**
Source System: _____
4. **Identify Target System**
Target System: _____
5. **Establish a Shared File System**
 - File System must be available to both Source and Target Systems (including any attached Application Servers)
 - File System must have at least 30GB of free space
 - <SID>adm user must have read/write/delete access to the File System on both Source and Target Systems
6. **Install Gold Client Software in Source and Target Systems**
7. **Assign Logical File Path**
8. **Create New File Source System**
9. **Verify Target System is Open for Changes**
10. **Setup RFC Connections**
11. **Execute Setup Framework**
12. **Establish Authorization, Network, and System Access**
13. **Define Data Examples**
14. **Discuss Use Cases and Timelines**

Appendix – Assign Logical File Path

1. This setup will generate a transport request. Qlik recommends to logon to a Development client used for configuration transports.
2. Execute Transaction FILE
3. Click Continue button on Cross-Client Information window
4. Highlight /HTG/GC row and double-click Assignment of Physical Paths to Logical Paths menu item



5. Select Syntax Group field based on SAP operating system (UNIX, WINDOWS NT)
6. Enter actual directory path of Gold Client shared directory with <FILENAME> at the end. No Drive Letters or SAP Parameters are allowed.

Logical path	/HTG/GC	
Name		
Syntax group	UNIX	Unix compatible
Physical path	/usr/sap/trans/goldclient/<FILENAME>	

Logical path	/HTG/GC	
Name		
Syntax group	WINDOWS NT	Microsoft Windows NT
Physical path	\usr\sap\trans\GC\<FILENAME>	

7. Click Save button
8. If a **Choose the Key from the allowed namespace** warning message appears, click the Enter key to continue.
9. Enter Transport Request information
10. Release the transport and import it into all Gold Client Systems

Appendix - Security

The following SAP authorizations are required on both Source and Target Systems for all Gold Client users (including the Qlik Software Engineer):

S_TCODE Access to run transaction ZGOLD

Transaction Code: ZGOLDBW

S_TABU_DIS Ability to change and display Gold Client tables; all Gold Client tables are in namespace /HTG/ with authorization HTG

Activity: Change, Display

Authorization group: HTG

S_DATASET Authorization to write to the Gold Client File Path

Activity: Delete, Read, Write

Physical file name: *Use the path defined in FILE for /HTG/GC*

Program Name with Search Help: %_T, /HTG/*, SAPLSCTS_RELEASE, SAPLSLOG, SAPLSTRF

The Qlik Software Engineer conducting the Implementation will need access to the following transactions in both Source and Target Systems:

Basis: ST05, SE11, SE16, SM50, SM51, AL11

BW: RSA1