

Tungsten Invoice Workflow

SAP ArchiveLink Configuration

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Introduction

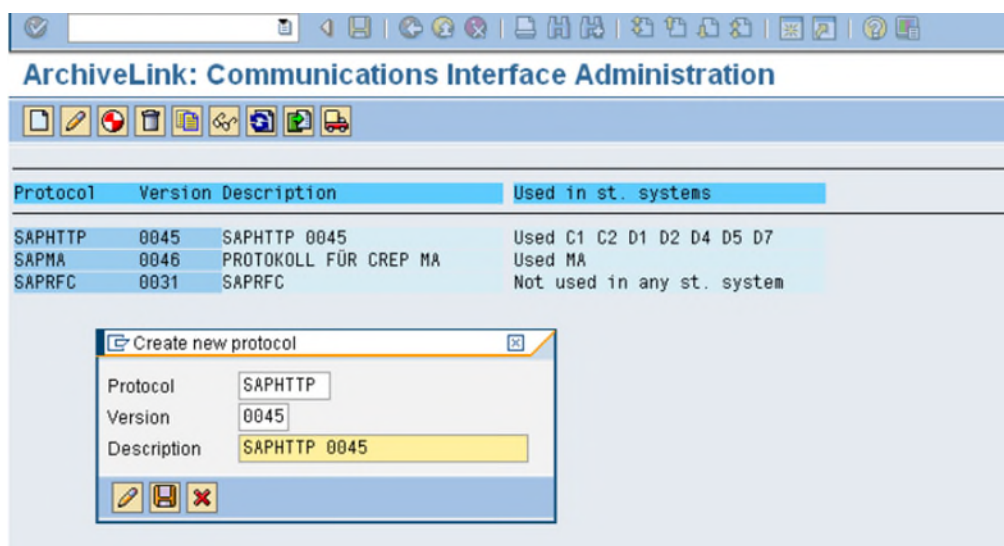
Tungsten Invoice Workflow uses the Tungsten ArchiveLink product to integrate with the SAP ArchiveLink product, which is used to create and view document linked to Workflow. This document outlines the configuration required to support this Workflow integration, which implements the 'Late Archiving' scenario. Customization will be required in TCodes OAA3, OAG4, OAC0, OAC2, and OAC3.

SAP Customization

This section describes the general customizations required to setup ArchiveLink in SAP.

OAA3 – Communications Interface Administration

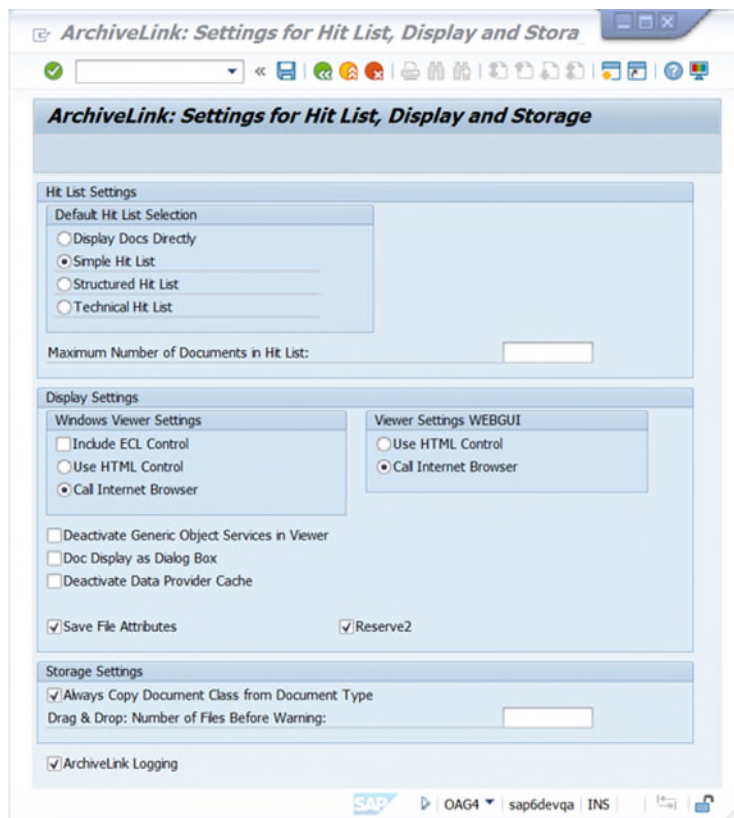
First, create the ArchiveLink HTTP protocol in transaction 'OAA3' in SAP as shown below. This step may be skipped if the protocol has already been created for other integrations.



Once the ArchiveLink protocol has been created, generate it "🔧" as shown in the figure above.

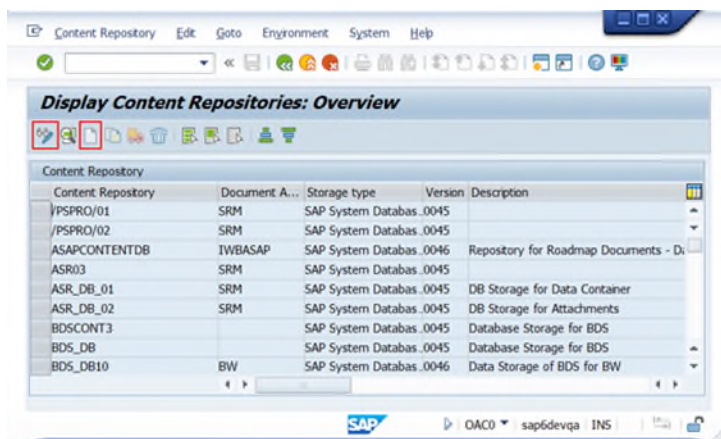
OAG4 – SAP ArchiveLink: Basic Settings

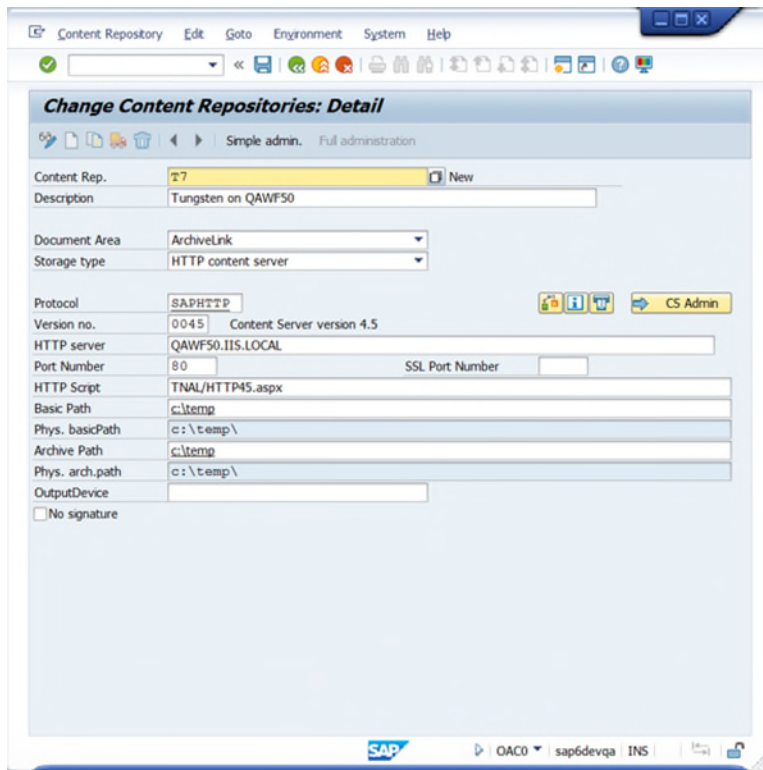
Secondly, the general ArchiveLink parameters need to be maintained. For more detailed information, see SAP ArchiveLink documentation. The ArchiveLink Basic Settings - Transaction code OAG4 screen is shown in the figure below. The viewer settings here should be set to 'Call Internet Browser'.



OAC0 – Content Repositories

Use transaction OAC0 to create a new Content Repository that points to the ArchiveLink Repository. Press the 'Display/Change' button to enter the create mode.





The following settings need to be configured:

- **Content Rep.:** Enter a content repository ID for the new entry.
- **Description:** Enter a description for the repository.
- **Document Area:** Select 'ArchiveLink' from the dropdown listbox.
- **Storage Type:** Select 'HTTP content server' from the dropdown listbox.
- **Protocol:** Enter 'SAPHTTP'.
- **Version no.:** Enter version '0045'.
- **HTTP server:** Enter the hostname for the Tungsten ArchiveLink server.
- **Port Number:** Enter '80'.
- **HTTP Script:** Enter the script that points to the virtual root on the Tungsten ArchiveLink server. By default, this value would be 'TNAL/HTTP45.aspx'.
- **Basic Path:** Enter the full path of the directory where SAP applications store files to be archived.
- **Archive Path:** Enter the full path of the directory where SAP applications retrieve files to be archived. Usually this value matches the basic path.
- **No signature:** This setting determines if a certificate is sent with the ArchiveLink requests to the ArchiveLink server. By default, certificates are sent, but they are not required.

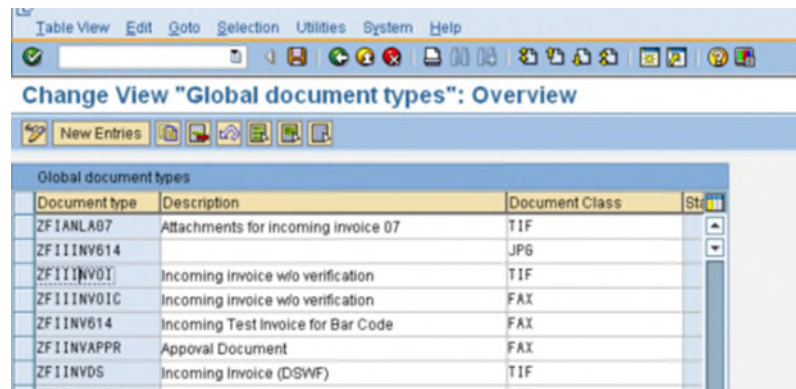
Save the customization of this new content repository.

Once the Tungsten ArchiveLink configuration (described below) is completed, TCode OAC0 can be opened again to test the status and send the certificate using the buttons shown below.



OAC2 – Global Document Types

Use TCode OAC2 to create a custom document type(s), which will be used to store documents in the Tungsten Content Repository.



The screenshot shows the SAP OAC2 transaction interface. The title bar reads 'Change View "Global document types": Overview'. Below the title bar is a toolbar with various icons. The main area displays a table with the following data:

Document type	Description	Document Class	St
ZFIANLA07	Attachments for incoming invoice 07	TIF	
ZF11INV614		JP6	
ZF11INV01	Incoming invoice w/o verification	TIF	
ZF11INV01C	Incoming invoice w/o verification	FAX	
ZF11INV614	Incoming Test Invoice for Bar Code	FAX	
ZF11INVAPPR	Approval Document	FAX	
ZF11INVDS	Incoming Invoice (DSWF)	TIF	

OAC3 – Links for Content Repositories

Maintain the linkage in object type, document type, content repository, link table, etc., in transaction OAC3. Ensure that the Doc. Type and Cont. Rep. ID created for use with Tungsten ArchiveLink are entered here along with the associated SAP ObjectType.

Table View Edit Goto Selection Utilities System Help

Display View "Links for Content Repositories": Overview

Links for Content Repositories

ObjectType	Doc. Type	L	Cont.Rep.ID	Link	Retent.Period
BKPF	ZFI0PIE101	X	D1	TOA01	0
BKPF	ZFIANLA06	X	D1	TOA01	120
BKPF	ZFIANLA07	X	D2	TOA01	120
BKPF	ZFIINV614	X	MA	TOA01	0
BKPF	ZFIINV01	X	D4	TOA01	0
BKPF	ZFIINV01C	X	D4	TOA01	0
BKPF	ZFIINV614	X	D4	TOA01	0
BKPF	ZFIINVD5	X	D1	TOA01	0
BKPF	ZFIINV0106	X	D4	TOA01	120
BKPF	ZTEST	X	HN	TOA01	0
BKPF	ZTEST2	X	HN	TOA01	0
BUS0001	PI_AUFTRAG	X	MA	TOA01	0
BUS0001	PI_MALI	X	MA	TOA01	0
BUS0001	PI_MESG	X	MA	TOA01	0
BUS0001	PI_PRUELOS	X	MA	TOA01	0
BUS0001	PI_SHEET	X	MA	TOA01	0
BUS0001	PI_USER	X	MA	TOA01	0

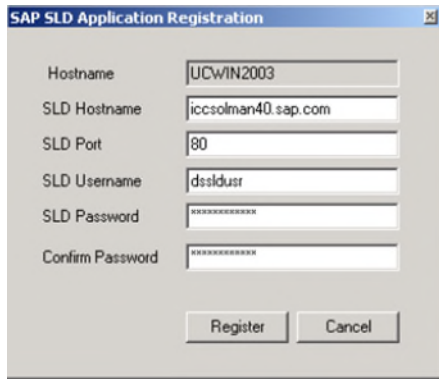
Position... Entry 18 of 320

ArchiveLink Configuration

IMPORTANT: Please reference the **Workflow Administration Guide** for information on creating Content Manager index definitions and their defined index keys (i.e., metadata). Index definitions should be created to specification before running the ArchiveLink Configuration program. If index keys move around after creation, this can cause issues with the ArchiveLink field mappings.

The Tungsten ArchiveLink configuration application can be launched from the ArchiveLink Program Group. Start the ArchiveLink Configuration application.

When the application starts for the first time, it will launch the SLD (System Landscape Directory) registration form as shown below. SLD registration is part of the SAP support infrastructure that SAP asks all certified vendors and their products to adhere to. The Tungsten ArchiveLink application will register itself into this infrastructure upon completing the configuration on this form for SAP implementations ECC 6.0 or higher. This registration and procedure will allow SAP support to see what components (both SAP and third-party certified components) are installed at your site, as well as access to the Workflow log and configuration files. If SAP support is called for a Tungsten ArchiveLink issue, they will have all the information they need about Workflow and our certified solution. If you don't have the necessary information to complete the SLD registration at this time, it can be cancelled and performed later by using the SLD registration button on the main configuration page.



SAP SLD Application Registration

Hostname: UCWIN2003

SLD Hostname: iccsolman40.sap.com

SLD Port: 80

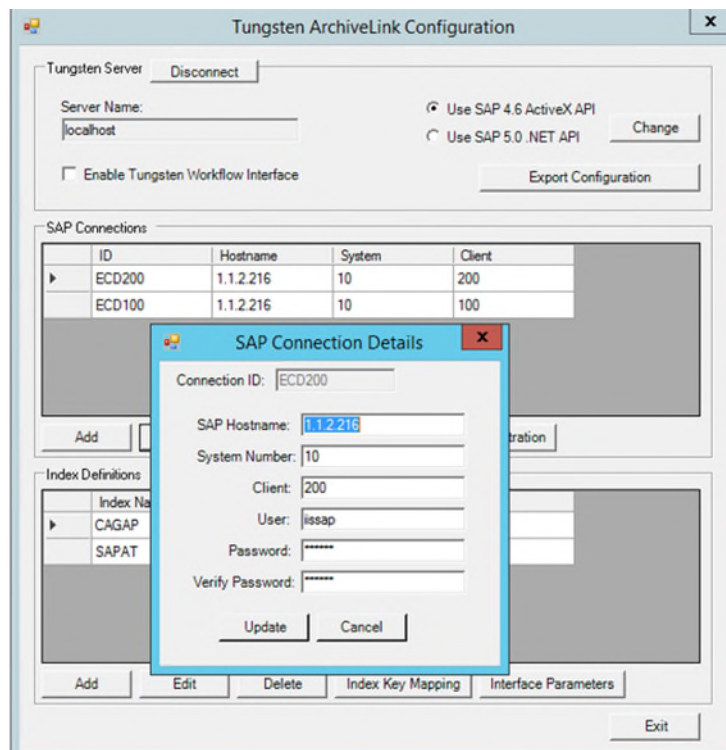
SLD Username: dsldusr

SLD Password: *****

Confirm Password: *****

Register Cancel

Using the Archivelink Router Configuration application, define the SAP servers and their logon details (server name, client, system number, etc.) as shown below by clicking the 'Add' button in the 'SAP Connection Details' section. Once the entries are complete, press the 'Update' button.



Tungsten ArchiveLink Configuration

Tungsten Server: Disconnect

Server Name: localhost

☒ Use SAP 4.6 ActiveX API

☐ Use SAP 5.0 .NET API

☐ Enable Tungsten Workflow Interface

Export Configuration

SAP Connections

ID	Hostname	System	Client
ECD200	1.1.2.216	10	200
ECD100	1.1.2.216	10	100

Add

SAP Connection Details

Connection ID: ECD200

SAP Hostname: 1.1.2.216

System Number: 10

Client: 200

User: jssap

Password: *****

Verify Password: *****

Update Cancel

Index Definitions

Index Name
CAGAP
SAPAT

Add Edit Delete Index Key Mapping Interface Parameters

Exit

Add a new index definition to link with SAP by clicking the 'Add' button in the 'Index Definition' section. Configure the settings as shown in the figure below.

- Select the desired Content Manager Index Definition to store documents.
- Select the desired SAP Connection ID from the list.
- Enter the Repository ID that was created in SAP for which to link.
- Define the 'Doc. Protection' as always 'CRUD,' i.e., Create, Read, Update and Delete.

- Define the 'SAP ArchiveLink Index Keys' like 'SAP Process Flag', 'ArchiveLink Doc ID'. Use the listbox on the right to determine the desired key and then enter the User Key number in the corresponding textbox.
- Enter the 'SAP Object ID Index Key' in the corresponding textbox.

Once all the settings are configured, press 'Update' to save the settings.

Content Repository Status

Once the configuration is complete, the connection can be tested using TCode OAC0. Click the 'Test Connection' button.



If the connection is properly defined, the status at the button screen should say 'Connection test for content repository XX was successful'.


Next press the 'Status Information' button to get details about the connection.



If successful, the lower section of the screen will fill with details of the Tungsten ArchiveLink server.

Certificate Installation

If the Content Repository settings in TCode OAC0 are set to require a certificate, then additional configuration is needed to accept the certificate in Tungsten ArchiveLink. To do this, a few steps are needed in SAP and also in the ArchiveLink configuration.

- In TCode OAC0, press the 'Send Certificate' button . The message 'Certificate sent successfully' should be seen at the bottom of the screen.
- Using the Tungsten ArchiveLink Configuration application, select the desired SAP connection and press the 'Certs' button. The screen below will appear.
 - Click 'Browse' to find the certificate that was sent from SAP.
 - Click the 'Info' button to view the certificate details.
 - Click the 'Use' button to commit the use of the certificate.
- Press the 'Exit' button to complete the process.

