This document gives an overview of the different functionalities that OnBase's Integration with SAP can offer a customer. This is a fairly high level overview of the different components that could be used when developing a solution to solve a customer's business needs.

OnBase's SAP ArchiveLink Functionalities

Intended audience:
Hyland Sales and Hyland Partners looking for an overview of what OnBase's Integration with SAP has to offer

Contents

Inbound Documents 3
Early Storage 3
Late Storage 3
Outbound Documents 3
Printlists 3
Data Archive 3
Business Indexing Connector (BIC) 3
Imaging iViews 3
Business Process Automation (BPA) 4
Web Services Options - 4
BPA: Create Incoming Invoice from Rendition (MIRO) 5
BPA: Park Incoming Invoice from Rendition (MIRO) 5
BPA: Create Internal Order from Rendition (KO01) 5
BPA: Create Internal Order Parameterized (KO01) 5
BPA: Create Purchase Order from Rendition (ME21N) 5
BPA: Create Vendor Invoice from Rendition (FB60) 6
BPA: Get Incoming Invoice Details (MIRO) 6
BPA: Get Incoming Invoice Details by Object ID (MIRO) 6
BPA: Get Internal Order Details (KO01) 6
BPA: Get Purchase Order Details 6
Check Link Exists 6
Create Complete Link 6
Create Complete Link with Date 7
Create OB Link for Existing 7
Create OB Table Entries 7
Create Work Item 7
Create Work Item with Container (BPA if utilizing for line item data) 7
Get Links 8
Insert Barcode for Processing 8
Send Barcode Immediate 8

The OnBase ArchiveLink Server exists to provide a connection between an existing SAP System and an OnBase Content Management System. Through a set of OnBase components, it allows OnBase users to interact with their SAP system and SAP users to interact with their OnBase system; providing a tight integration between the OnBase solution and SAP. This integration allows enterprises using SAP the ability to use OnBase as a Content Management System in conjunction with their SAP system. Following you will find a brief breakdown of the integrations functionalities and terminologies.

Inbound Documents

Inbound Documents are documents that are created from outside sources such as an incoming payable invoice or inbound purchase order. These items are not generated by SAP, but contribute to the generation of and/or support the transaction in SAP. The following are two different inbound document scenarios.

Early Storage

In an Early Storage scenario, the document is captured and stored into OnBase first and then sent to SAP before the SAP object/transaction is created. The item (along with any pre-captured data) is then placed into the SAP Business Workplace for processing by the SAP Specialist.

Late Storage

In a Late Storage scenario, the image is scanned into OnBase and linked to an already existing SAP object/transaction

Late storage scenario options:

- Late storage utilizing barcodes for automation
- Ad-hoc document linking options for one off document attachment to an SAP object
- Ad-hoc document linking from designated OnBase scan queues

Outbound Documents

Outbound documents are images/documents that are generated by SAP and stored into OnBase.

(Example: SAP can create a PDF rendition of a purchase order upon saving or changing the purchase order transaction in SAP. A PDF rendition of the purchase order will not only be automatically stored in OnBase, but also be linked to the originating SAP purchase order transaction.)

Printlists

Printlists are sent out of SAP and stored in OnBase. Printlists are retrievable from SAP only.

Data Archive

To free up space for increased processing efficiency, SAP has the ability to archive data objects. These data archive objects can be configured to be sent out of SAP and stored in OnBase. Data that is archived out of SAP is viewable from SAP only.

Business Indexing Connector (BIC)

This functionality utilizes idocs (xml renditions of transactions created in SAP) sent from SAP to update the keywords on documents in OnBase that have a link to the specific SAP object. This functionality is especially useful for those customers who will be accessing documents outside of SAP.

Imaging iViews

A platform for extending the access of ArchiveLinked documents to the SAP Enterprise Portal

Business Process Automation (BPA)

Business Process Automation automatically generates objects/transaction in SAP using data that is gathered and resides in OnBase. Some examples of BPA are:

- Creating a PO based invoice in SAP (auto-creating transaction MIRO)
- Creating an SAP Work Item with header and line item data
- Creating a new customer in SAP

When using in conjunction with OnBase Workflow, it allows for preprocessing/approval in OnBase before initiating interaction with SAP.

Business Process Automation is implemented either with one of the pre-developed web services listed below, or if a web service does not exist for the action desired, the Enterprise Integration Server would be utilized by Hyland Services. Both instances of communication with SAP would be through BAPI calls via RFC, or HTTP/HTTPS requests if connecting with a customer's XI/PI system. Business Process Automation has the ability to leverage any externally exposed SAP RFC call.

Web Services Options -

The web services on the following pages include some basic functionalities that are leveraged for the early and late storage process stated above, as well as some that allow for more flexibility and options when integrating SAP. When used in conjunction with OnBase Workflow, they allow for preprocessing/approval in OnBase before initiating interactions with SAP.

They also include functionalities such as several SAP Object Creation services and select SAP Object Data Retrieval used for Business Process Automation (BPA). If a web service does not exist for the BPA action desired, the Enterprise Integration Server would be utilized as the configuration and deployment platform by Hyland Services and can be leveraged for any externally exposed BAPI via RFC.

	Description	Business Case
BPA: Create Incoming Invoice from Rendition (MIRO)	"Create Incoming Invoice from Rendition (MIRO)" takes values from the OnBase document (ie: entries from a pre-configured xml rendition) to create an Incoming Invoice within SAP. After the SAP Object is created, a link is made from the original OnBase document to the newly created SAP Object for retrieval within SAP.	This web service in combination with OCR reduces the manual interaction previously required to create Incoming Invoices. This process helps automate the process of processing invoices, from receiving the faxed invoice to creating the SAP Object and linking the OnBase document.
BPA: Park Incoming Invoice from Rendition (MIRO)	"Park Incoming Invoice from Rendition (MIRO)" takes values from the OnBase document (ie: entries from a pre-configured xml rendition) to create and Park an Incoming Invoice within SAP. After the parked SAP Object is created, a link is made from the original OnBase document to the newly created SAP Object for retrieval within SAP.	This web service in combination with OCR reduces the manual interaction previously required to Park Incoming Invoices. This process helps automate the process of processing invoices, from receiving the faxed invoice to creating the SAP Object and linking the OnBase document.
BPA: Create Internal Order from Rendition (KO01)	"Create Internal Order Rendition (KO01)" takes values from the OnBase document (ie: entries from a pre-configured xml rendition) to create an Internal Order within SAP. After the SAP Object is created, a lik is made from the original OnBase document to the newly create SAP Object for retrieval within SAP	This web service in combination with OCR reduces the manual interaction previously required to create Internal Orders. This process helps automate the process of processing invoices, from receiving the faxed invoice to creating the SAP Object and linking the OnBase document.
BPA: Create Internal Order Parameterized (KO01)	"Create Internal Order Parameterized (KO01)" takes values from mapped keywords or properties to create an Internal Order within SAP. After the SAP Object is created, a lik is made from the original OnBase document to the newly create SAP Object for retrieval within SAP.	This web service in combination with OCR reduces the manual interaction previously required to create Internal Orders. This process helps automate the process of processing invoices, from receiving the faxed invoice to creating the SAP Object and linking the OnBase document. It also allows the customer the option to index the document and use those indexes to create the SAP object.
BPA: Create Purchase Order from Rendition (ME21N)	"Create Purchase Order from Rendition (ME21N)" takes values from the OnBase document (ie: entries from a pre-configured xml rendition) to create a Purchase Order within SAP. After the SAP Object is created, a link is made from the original OnBase document to the newly created SAP Object for retrieval within SAP.	This web service in combination with OCR reduces the manual interaction previously required to create Purchase Orders. This process helps automate the process of processing invoices, from receiving the faxed invoice to creating the SAP Object and linking the OnBase document.

BPA: Create Vendor Invoice from Rendition (FB60)	"Create Vendor Invoice from Rendition (FB60)" takes values from the OnBase document (ie: entries from a pre-configured xml rendition) to create a Vendor Invoice within SAP. After the SAP Object is created, a link is made from the original OnBase document to the newly created SAP Object for retrieval within SAP.	This web service in combination with OCR reduces the manual interaction previously required to create Vendor Invoices. This process helps automate the process of processing invoices, from receiving the faxed invoice to creating the SAP Object and linking the OnBase document.
BPA: Get Incoming Invoice Details (MIRO)	"Get Incoming Invoice Details" retrieves the object details from an SAP Internal Order via the SAP Invoice Number and the document year.	This web service can be used to automate the indexing of OnBase documents with the data entries from an existing SAP Incoming Invoice.
BPA: Get Incoming Invoice Details by Object ID (MIRO)	"Get Incoming Invoice Details by Object ID" retrieves the object details from an SAP Internal Order via the SAP Object ID.	This web service can be used to automate the indexing of OnBase documents with the data entries from an existing SAP Incoming Invoice.
BPA: Get Internal Order Details (KO01)	"Get Internal Order Details" retrieves the object details from an SAP Internal Order via the SAP Object ID.	This web service can be used to automate the indexing of OnBase documents with the data entries from an existing SAP Internal Order.
BPA: Get Purchase Order Details	"Get Purchase Order Details by Object ID" retrieves the object details from an SAP Purchase Order via the SAP Object ID.	This web service can be used to automate the indexing of OnBase documents with the data entries from an existing SAP Incoming Invoice.
Check Link Exists	Check Link Exists is utilized to verify if links between an OnBase document and an SAP Object have been created in the OnBase hsi.sapdoccomponent and hsi.sapdocument tables. When the service is run, these tables are checked to see if any entries have already been created for the document. If a link exists in the tables, a value of "True" will be returned. "False" will be returned if no entries exist in the tables.	Businesses using the SAP integration may have documents entering ArchiveLink and SAP via various means. When these documents have different possible entry points, sometimes they will enter workflow with a link already created. In many cases, a simple document type check would suffice, but if these documents are of the same time, checking for an existing link could be useful for integrators and customers.
Create Complete Link	"Create Complete Link" links an OnBase document to an already existing SAP object using the SAP Object ID. It not only creates the appropriate entries in the OnBase link tables, but also in SAP's link table (ie: TOA01)	This web service allows a customer to link any OnBase document with the corresponding SAP Object as long as the Object ID is indexed on the document. This allows for the linking of documents that existed before this capability was created, for ad-hoc linking to help fit a customer's unique business process, and also for conversions.

Create Complete Link with Date	"Create Complete Link with Date" links an OnBase document to an already existing SAP object using the SAP Object ID allowing the user to designate a storage date. It not only creates the appropriate entries in the OnBase link tables, but also in SAP's link table (ie: TOA01)	This web service allows a customer to link any OnBase document with the corresponding SAP Object as long as the Object ID is indexed on the documents and stated storage date is present. This allows for the linking of documents that existed before this capability was created, for ad-hoc linking to help fit a customer's unique business process, and also for conversions.
Create OB Link for Existing	"Create OB Link for Existing" creates entries in the OnBase link tables using the already existing GUID from SAP's link table to link the SAP Object to the Onbase document.	This web service is ideal for linking documents that are being converted from another system into OnBase. Having the SAP GUID as an index or property on the document allows this service to create the OnBase side of the link to correspond to what SAP already has in its link table.
Create OB Table Entries	"Create OB Table Entries" creates entries in the OnBase link tables and enters a new GUID in the OnBase table as a link to be used by SAP when the SAP link table entry is populated at a later time.	This web service would create the OnBase side of the link in preparation for future linking in SAP's link tables using an OnBase created GUID.
Create Work Item	"Create Work Item" takes an OnBase document and sends it to an SAP workflow to create a work item in the designated worker's inbox. It has the capability to pass the OnBase autoname string to the inbox for prioritization, and it also has the capability of being configured to use the early or late storage method that is configured in the SAP workflow.	This web service automates the above stated Early Storage from scan queue bypassing OAWD sending documents directly to an SAP user's inbox as a work item. The process if fully automated up to the point where the end user opens the OnBase document from the SAP inbox for processing from within SAP. Utilizing the autoname population feature allows the user to prioritize his/her work from within the SAP inbox for the most efficient processing.
Create Work Item with Container (BPA if utilizing for line item data)	"Create Work Item with Container" has the same functionality as "Create Work Item" with the added ability of passing keywords or properties from an OnBase document to SAP to use as container information.	This web service outside of having all the same capabilities as "Create Work Item", also allows the customer to utilize passed container information for the routing of the document to the appropriate SAP inbox, prepopulating information such as header data, and more.

Get Links	Get Links is utilized to verify if links between an OnBase document and an SAP Object have been created in the OnBase hsi.sapdoccomponent and hsi.sapdocument tables. When the service is run, these tables are checked to see if any entries have already been created for the document. If a link exists in the tables, the GUID for that link will be returned. If no links exist, the value of "null" is returned.	Businesses using the SAP integration may have documents entering ArchiveLink and SAP via various means. When these documents have different possible entry points, sometimes they will enter workflow with a link already created. In many cases, a simple document type check would suffice, but if these documents are of the same time, checking for an existing link could be useful for integrators and customers.
Insert Barcode for Processing	"Insert Barcode for Processing" utilizes the OnBase batch number and barcode number indexed on the document to create an entry in SAP's external barcode table for late storage. This is used mainly for batch processing of documents.	This web service is for a Late Storage scenario and allows the customer to process documents in batches from within OnBase before sending them to SAP for linking to the SAP Object.
Send Barcode Immediate	"Send Barcode Immediate" utilizes the OnBase barcode number indexed on the document to create an entry in SAP's external barcode table for late storage. This is used for more ad-hoc or one off processing of documents.	This web service is for a Late Storage scenario and allows the customer to process a document from within OnBase before sending it to SAP for linking to the SAP Object.