GOS Attachment List Extension Pack

(Product Version 2.30)

Configuration and Installation Guide

Copyright

Table of contents

1. PREAMBLE

a. Document Objectives and Content

This document should describe the business benefits as well as the technical and customizing features of the solution GOS Attachment List Extension Pack.

This document shall not replace the SAP official documentation.

b. Typographic convention

Important indication

Tips and tricks

Applicatory handling

Customizing

2.   Solution overview

a.   Product description

The solution **GOS Attachment List Extension Pack** is a **functional extension** of the SAP generic Object Services (**GOS**) available in various SAP applications offering services linked to Business Objects registered in the BOR repository.

One of the main GOS functions is the **attachment list** in which all stored or archived documents (so called *external*, *business* and *office documents*) as well as notes linked to the selected object are listed and can be managed by the authorized users.

The solution **GOS Attachment List Extension Pack** provided by crossapps offers additional functions to the SAP standard attachment list component:

- definition and management of additional, customer specific attributes (calculated or entered manually per document)

- call, print and archiving (using the SAP ArchiveLink Interface) of customer specific forms (based on the SAP SMARTFORM technology) with content transfer (variables)

- maintenance of KPRO documents (in-place) with content transfer (variables)

- Integration to SAP Records Management (maintenance of related records and cases)

- contextual control over the extendable Attachment List menu bar

- flexible display of attachment attributes (ALV technology).

b. *Business Benefits*

According to the SAP standard, an archived document inherits the generic description of the SAP ArchiveLink document type to which it is assigned (as invoice, contract, maintenance scheme, correspondence, etc.). For this reason, the users can't distinguish in a document list between documents of the same type assigned to the same object.

For **transparence and simplification** purposes, it's mostly advantageous to **not** create a specific SAP ArchiveLInk document type for each type of business documents but to enter the right document description manually.

The **manual or automatic maintenance** of further document attributes - as subtype, version, etc. - is sometimes required or needed from a business point of view.

Access control over documents is usually provided by SAP ArchiveLink object type. This level is not always detailed enough and the assignment of a criticality index can be required.

With the add-on GOS Attachment List Extension Pack, additional fields can easily be defined by business object and entered or calculated in the object maintenance. Data **Consistency checks** in form of list of possible entries can be performed in order to improve the data quality.

All GOS standard and additional functions are always called and used in the same way in order to keep the learning burden for end users low. The use of **contextual menus** helps them to call the right functions by activating or deactivating the menu entry points in the GOS manager.

In the same way, the development burden on application developers is minimal as the generic and additional object services can be activated or deactivated for all referenced objects in the SAP Business Object Repository.

crossAPPS

3. Solution in detail

a. Basic package

- **Embedment of the new GOS Attachment menu in the SAP standard GOS menu**

  All active generic and solution specific object services are available in a function list (toolbox), which is called by clicking on the icon 🖥 beside the transaction title.

  As for the SAP standard attachment list, the extended attachment list is displayed using the icon 🗐 in the GOS toolbox.
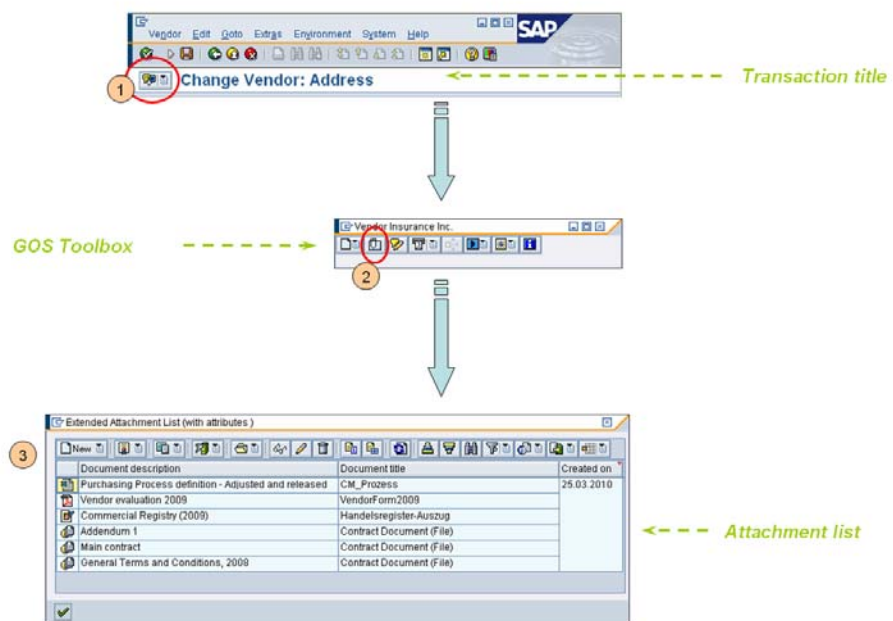
- **Use of the SAP standard attachment maintenance functions**
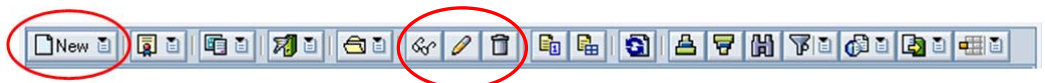
  The SAP standard attachment creation functions are called by clicking on the icon 🗋 in the screen bar. Following menu options are displayed:

  - create, display, change and delete an attachment
  - create, display, change and delete a note
  - create, display, change and delete an external documents (URL)
  - store and delete a business document
  - enter bar code

- **Maintenance of additional document attributes**

CROSSAPPS
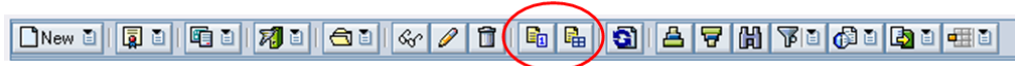
Additional attributes can be defined and maintained (calculated or manually entered). The definition is made at business object level (or combination business object with filter-keys): it means that for each business object, you may have a different set of attributes. A field 'Description' is activated for business and office documents with the solution.

Two maintenance modes are offered:

- single record maintenance
- table maintenance (all records at the same time)

In the attachment creation process, an additional screen (pop-up) is automatically called for the maintenance of the defined attributes.

- *Flexible display of document attributes*
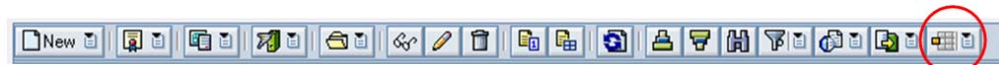
With the layout settings technology, you can define your own display layouts of your document attributes.

- *Control over the extendable Attachment List Menu bar*

All standard and solution specific GOS functions can be activated or deactivated by customizing. Furthermore, additional customer specific functions can be added at business object level (or combination business object with filter-keys) on request.

- *Screen encapsulation in your own application*

The extended Attachment list screen can be embedded in your own applications or in SAP screen-exits either as a sub-screen or as a pop-up dialog.

CROSSAPPS

b. Forms extension package

  ▪ *Processing of forms*

Customer specific forms (SAP Smartforms) can be

  • selected and completed (content transfer for predefined variables)
  • printed out and archived (using the SAP ArchiveLink Interface)

  ▪ *Maintain KPRO documents*

Customer specific KPRO documents and templates (in-place) can be

  • selected and completed (content transfer for predefined variables)
  • modified
  • saved as a new document version
  • printed out

c. Records Management extension package

  ▪ *Integration with SAP Records Management objects*

Following SAP Records Management elements can be defined and linked to the business object:

  • records
  • cases

crossAPPS

4. Technical settings

a. Technical installation and activation in the GOS manager

The solution is delivered in form of one or several SAP transport orders.

Installation procedure:

(1) Copy the transport orders in the directories …\COFILES   and …\DATA in the SAP server

(2) Execute the orders using transaction STMS

(3) Call the customizing menu using transaction /CAA/ALCUST_IMG (for technical purposes, the working language should be English!)
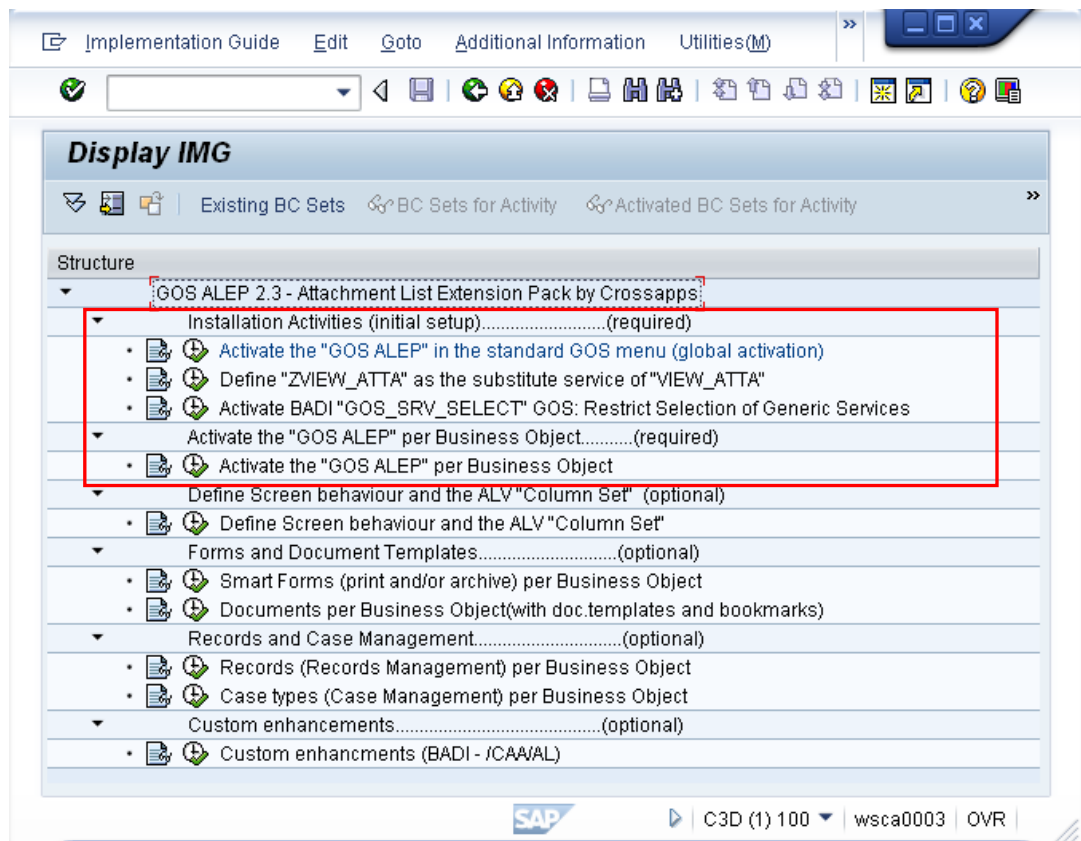
(4) Execute the required (first 2 chapters) and the optional installation activities according to the package(s) acquired.

For each activity, a detailed description is displayed by clicking on icon 🗐 in front of each task.

CROSSAPPS

b. Solution API (application interface)

APIs provide direct access to the application. They can be viewed using transaction SE37 and applied for customer enhancements.

- */CAA/AL_EDIT_TEXT*
  maintains attachment attributes (in a direct mode or via user dialog)
- */CAA/AL_DISPLAY*
  displays the attachment list in a dialog screen
- */CAA/AL_DISPLAY_IN_SUBSCREEN*
  displays the attachment list encapsulated in a subscreen for your own applications

c. Solution extensions

Business add-ins (customer extensions in the solution) allow you to change, extend or restrict the functional scope and the behavior of the solution. They can be maintained via transaction SE18.

You should create a new implementation according to the SAP naming convention. In the tab "Interface", you will find an example of the implementation class "/CAA/CL_EXM_IM_AL" which can be used as template for your own implementation.

Following methods are provided in the standard solution:

- AUTHORITY_CHECK
  controls the access to GOS functions, documents or attributes
- BUILD_FIELD_CATALOG
  controls the field maintenance and display characteristics in the ALV list (hide a column, open a column for data entry, etc.)
- ENRICH_ALV_ENTRY
  completes the ALV field list with icons, texts, etc.
- BUILD_GRID_TOOLBAR
  adds or removes function icons (standard or customer specific)
- PROCESS_USER_FUNCTIONS
  executes additional (customer specific) functions
- DEFINE_OBJECT_FILTER_KEYS
  selectively activates customizing with up to 5 additional filter-keys

  The business object is the basic criteria for customizing this solution. Should you need more detailed criteria, you may selectively activate customizing with up to 5 additional filter-keys. E.g. the standard application allows you to activate attributes for the business object "Customers". With a filter key on the attribute "Country", you can activate a different attribute set or rules for "Customers from the USA" and "Customers from Canada".

CROSSAPPS

d. Access control

The access control to the attached objects is generally realized through the business object itself. For extended access controls, a business add-in (BADI) is provided with the solution (see chapter 'Solution extensions').

5. Pricing

Trial package (not for productive system)	free of charge
Basic package	CHF 3'000
Forms extension package (in addition to basic package)	CHF 2'000
Records Management extension package (in addition to basic package)	CHF 2'000

The maintenance of this solution can be contracted separately. Please contact crossapps corp. for this purpose.

6. Contact point

crossapps corp.
Alpenstrasse 9
CH-6300 Zug

Phone	+41 32 618 00 00
Fax	+41 32 618 55 55
eMail	sales@x-apps.com
Web	www.x-apps.com