

#ABAP

SAP GOS Attachment : Authorization and Technical Overview

by JOHN in ABAP TUTORIALS



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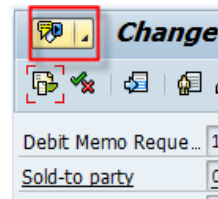
SAP GOS : Generic Object Services offer functions for Business Objects through different SAP Applications.

All object services are available in a function list (toolbox) in which the following functions are offered.

- Entry of personal or general notes for an object
- Creation of attachments to an object
- Creation of relationships between an object and documents that are in the optical archive or that are subsequently scanned in and stored.
- Starts a workflow for an object
- Display of an overview of all workflows, where an object is involved
- Display of an overview of all business objects that are linked to an object You can call the linked objects by double-clicking – independent of whether the objects are from the current system or another SAP System.
- Sending of an object as an attachment of a message
- Subscription of an object. The user is then notified of changes to the subscribed object.

Adding an object to the favorites list.

(source: help.sap.com)



SAP GOS Authorization

For Settings , you must have the authorizations in the roles

- SAP_BC_SRV_GBT
- SAP_BC_BMT_WFM_ADMIN

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The Main SAP Dunning Transaction Codes



SAP FI

SAP Accounts Payable Tcodes & Accounts Receivable Tcodes (SAP AP Tcodes & SAP AR Tcodes)




SAP FI


The Most Important SAP Payment Terms Tables (ZTERM, Text...)

- SAP_BC_SRV_ARL_ADMIN


To use the Generic Object services, assign to user (transaction SU01), these roles:



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- SAP_BC_SRV_USER
- SAP_BC_SRV_ARL_USER

For Authorizations issues check the following SAP OSS Notes

[491271](#) – Authorizations for generic object services

[825348](#) – Authorizations for changes in the attachment list

[552127](#) – FAQ: SAP office – Authorizations

This is a good guide for SAP Authorization:[Authorizations in SAP: 100 Things You Should Know About...](#)



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SAP PP

The most Important SAP Work Center Tables in SAP PP



SAP FI

The Main SAP G/L Account Tcodes & SAP GL Account Tables

Attachment:
Authorization and



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Technical Overview Of SAP GOS

SAP GOS Tables



SAP GOS Tables Join

```
1 SELECT objtp objyr objno objdes file_ext objlen extct
2     APPENDING TABLE sood_tab FROM sood
3     PACKAGE SIZE 5000
4     FOR ALL ENTRIES IN lt_vbeln
5     WHERE objtp = lt_srgbtbrel-instid_b+17(3)
6     AND   objyr = lt_srgbtbrel-instid_b+20(2)
```

```
7 AND objno = lt_srgbtbrel-instid_b+22(12).  
8 ENDSELECT.
```

SAP Mass Extraction Of Attachment

A recurrent business requirement is to mass extract PM attachment or Order Attachment, check this sample code to retrieve attachment and save them.

Check this sample code: SAP Attachment Mass extraction.

[SAP Mass Attachments Extraction for Sales Documents](#)

SAP GOS Class

Here the list of Class that provides almost all the functionalities for GOS in SAP (provided by blog.sap.com)

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[sap gos attachment table](#)



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The First method? **GOS_GET_FILE_LIST**: ?This method gets a listing of all the attachment details for a specific object type and key

The Second Method? **GOS_DOWNLOAD_FILE_TO_GUI**: ?This method by SAP GUI applications downloads the selected attachment to the workstation.

Third Method? **GOS_GET_FILE_XSTRING** : ?This method downloads attached files when using ABAP WebDynpro Applications.

Next Method? **GOS_GET_FILE_SQUTAB** : ?This method downloads attached files

U Next Method? **GOS_GET_FILE_SOLITAB** :? This method downloads attached files when using ITS Applications.

a The Method? **GOS_ATTACH_FILE_XSTRING** :? This method attaches files when using ABAP WebDynpro Applications.

d Method? **GOS_ATTACH_FILE_SOLITAB** :? This method attaches files when using ITS Applications.

e The method? **GOS_EMAIL_ATTACHED_FILE** :? This method will email attachments

c **GOS_DELETE_FILE** method helps to delete attachments

h You can get all the source code for this utility class for GOS to do almost everything with? **n** Generic Object Services to download, convert, Attach, email and delete.

i You may check this tutorial? [SAP Mass Attachments Extraction for Sales Documents \(ABAP\)](#) as a business real case of the use of Attachments / SAP GOS extraction.

a

SAP GOS Activating Generic Object Services Toolbar

e interesting [SAP GOS Tutorial](#) how to activate Generic Object Service Toolbar for two case: ME21N (for Purchasing Document) and CS01/CS02 for SAP BOM.

v It is based on the class? **CL_GOS_MANAGER**.

i Here a sample implementation of CL_GOS_MANAGER class:

```
1  DATA: lr_gos_manager TYPE REF TO cl_gos_manager,  
2         ls_borident    TYPE borident.  
3  
4  " Keys for Object  
5  ls_borident-objtype = 'BUS2081'.  
6  ls_borident-objkey  = '12345678902011'.  
7  
8  " Instanciate the GOS Manager Class  
9  CREATE OBJECT lr_gos_manager  
10 EXPORTING  
11     is_object      = ls_borident
```

```
12      ip_no_commit = ' '
13      EXCEPTIONS
14      object_invalid = 1.
```

Resources

I tried to collect and select some helpful resources on GOS

- [Attach files to GOS with Save, Retrieve, Delete functionality in SAP Web Dynpro ABAP 1/2](#)
- [Attach files to GOS with Save, Retrieve, Delete functionality in SAP Web Dynpro ABAP 2/2](#)
- [How to Maintain Generic Object Service List and Toolbar](#)
- [Frequently asked questions about Generic Object Services GOS](#)

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[ABAP: The Comprehensive Guide to SAP ABAP 7.52 and 1909](#)

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