

How to Maintain Generic Object Service List and Toolbar (Table SGOSATTR)



This cookbook contains information on how to maintain table SGOSATTR correctly to add a new service.

Summary

You have written a new service and want to add this to the list of Generic Object Services or into the Generic Object Services Toolbox. The customizing for the Generic Object Services can be found in table SGOSATTR, which can be maintained through transaction SM30. Nevertheless, you are not sure how to link your service to the existing ones, so that it is displayed at a specific position. The following cookbook should guide you through this procedure.

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Generic Object Services

Cookbook on how to maintain table SGOSATTR correctly to add a new service.

1. Requirements

You have written a new service and want to add this to the list of Generic Object Services or into the Generic Object Services Toolbox. The customizing for the Generic Object Services can be found in table SGOSATTR, which can be maintained through transaction SM30.

Nevertheless, you are not sure how to link your service to the existing ones, so that it is displayed at a specific position. The following cookbook should guide you through this procedure.

2. Procedure

First, you have to decide whether to add the new service at the beginning, in between, or at the end of existing services. The figure below shows a new service added to the toolbox at all three positions.



Second, you have to understand the meaning of the two columns 'Next Service' and 'Subservice' in the table SGOSATTR. For a given service the column 'Next Service' refers to the next service in the toolbox row. For example, the service 'CREATE_ATA' is followed by the service 'AL_SERVICES', which then is followed by 'VIEW_ATA'.

The screenshot shows the SAP SM30 transaction interface. The title bar reads "Change View *SGOS: Attribute of Generic Serv...". Below the title bar is a toolbar with icons for "New Entries", "Delete", "Copy", "Paste", "Print", and "Refresh". The main area contains a table with the following data:

Name	Next	Subservice	Control	Commit
AL_SERVICES	VIEW_ATA	ARL_LINK	<input type="checkbox"/>	<input type="checkbox"/>
AL_TRFC			<input type="checkbox"/>	<input type="checkbox"/>
ARL_LINK	BARCODE		<input type="checkbox"/>	<input checked="" type="checkbox"/>
BARCODE	AL_TRFC		<input type="checkbox"/>	<input type="checkbox"/>
CREATE_ATA	AL_SERVICES	PCATTA_CREA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
INFO_SERVICE			<input type="checkbox"/>	<input type="checkbox"/>
MYOBJECTS	PPFACTION	MYO_ADD	<input type="checkbox"/>	<input type="checkbox"/>

Below the table is a "Position..." button and a text field showing "Entry 1 of 26". The SAP logo and system information "BCE (1) 000 | bsl1083 | INS" are visible at the bottom.

Some services are shown with a small dropdown icon at the right. These services are of type 'Service List' and they have a 'Subservice' that will be shown as the first service in the list. Of course, this first subservice might have other services as 'Next' or even 'Subservice' as well.

2 a. Adding a Service at the Beginning

To add the new service at the beginning is quite simple. All you have to know is the name of the current first service. It is the service that is not referenced as 'Next Service' or 'Subservice'. In an unmodified system this is most likely the service with the name 'CREATE_ATTA'.

Now when you create your new service, just enter 'CREATE_ATTA' into the field 'Next Service'.

The screenshot shows the SAP 'New Entries: Details of Added Entries' dialog box. The 'Name of service' field is filled with 'NEW_SERV'. Below it, the 'SGOS: Attribute of Generic Services' section contains the following fields:

Description	New Service
Quick info	My new service
Class f.Gen.Service	CL_MY_SERVICE
Service Type	Single Service
Icon	ICON_NEW_SERVICE
Next service	CREATE_ATTA
Subservice	

At the bottom of the dialog, there are two checkboxes: 'Control' and 'Commit required', both of which are currently unchecked. The SAP logo and system information (BCE (1) 000, bsl1083, INS) are visible at the bottom right.

2 b. Adding a Service at the End

To add the new service at the end is also simple. Just identify the last service in the list on the main level, e.g. not in the subservice level. It will be one service that does not have a 'Next Service' at the moment. Again, if you have an unmodified system, it is most likely the service 'INFO_SERVICE'.

Now, enter your new service in the former one as 'Next Service'.

The screenshot shows the SAP 'Change View' dialog for 'SGOS: Attribute of Generic Services'. The dialog has a menu bar with 'Table View', 'Edit', 'Goto', 'Selection', 'Utilities', 'System', and 'Help'. Below the menu bar is a toolbar with various icons. The main area contains the following fields:

- Name of service: INFO_SERVICE
- SGOS: Attribute of Generic Services (Section Header)
- Description: [Empty text field]
- Quick info: [Empty text field]
- Class f.Gen.Service: CL_GOS_SRV_INFO
- Service Type: Single Service (Dropdown menu)
- Icon: ICON_INFORMATION
- Next service: NEW_SERV (Highlighted)
- Subservice: [Empty text field]
- Control
- Commit required

The SAP logo is visible in the bottom left corner, and the system status bar at the bottom right shows 'BCE (1) 000', 'bsl1083', and 'INS'.

2 c. Adding a Service in Between Two Services

Here you have to do both steps described above. Identify the predecessor service and the successor service. Enter your new service as 'Next' in the predecessor and enter the successor service as 'Next' in your new service.

2 d. Adding Subservices

A similar procedure has to be followed when subservices are to be added. It should be clear now how to add a new service to an existing list of subservices, e.g. just enter the new service as 'Next' at the last service of the sub list. It is also possible to add a new sub service icon, putting all customer made services into this sub list.

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