

# Add the Missing SPRO Node for ABAP SDK for Google Cloud

## Scenario:

You have imported the TR for ABAP SDK for Google Cloud and you do not find the SPRO nodes for configuring the ABAP SDK

## Explanation:

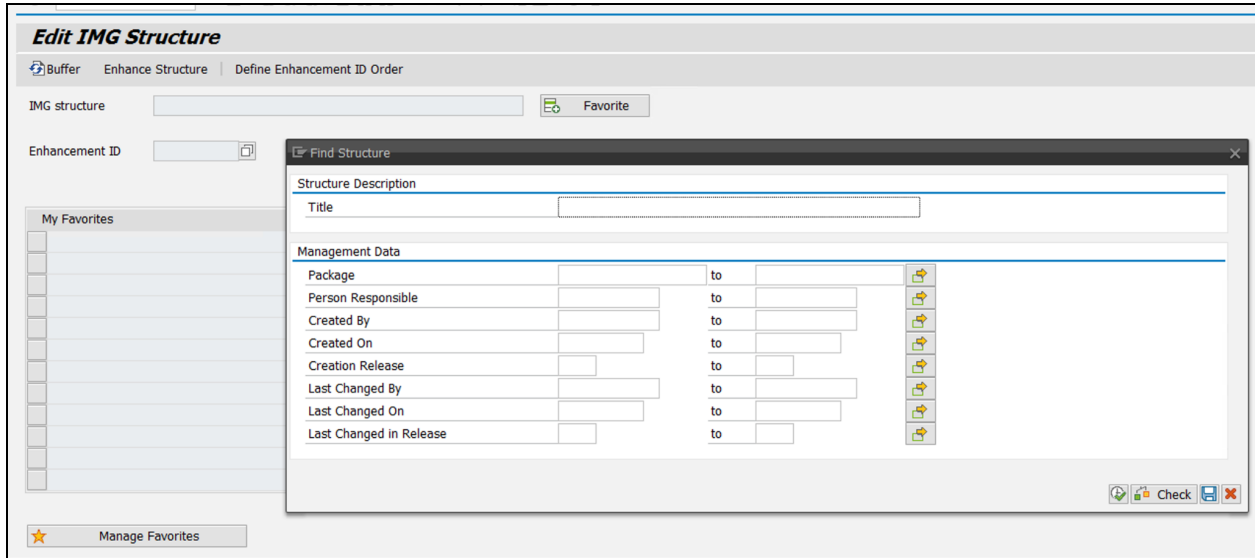
The ABAP SDK for Google Cloud SPRO node is an enhancement to the SPRO node: “SAP Customizing Implementation Guide” which is the root SPRO node for most of the SAP systems. If your SAP system does not include this SPRO node then you will not be able to find the extension for ABAP SDK for Google Cloud. Example: You have a BW system and your root SPRO node is “SAP BW/4HANA Customizing Implementation Guide”

## Steps to add the missing SPRO Node for ABAP SDK for Google Cloud:

### *Step 1: Select an IMG Structure and Create a new Enhancement ID*

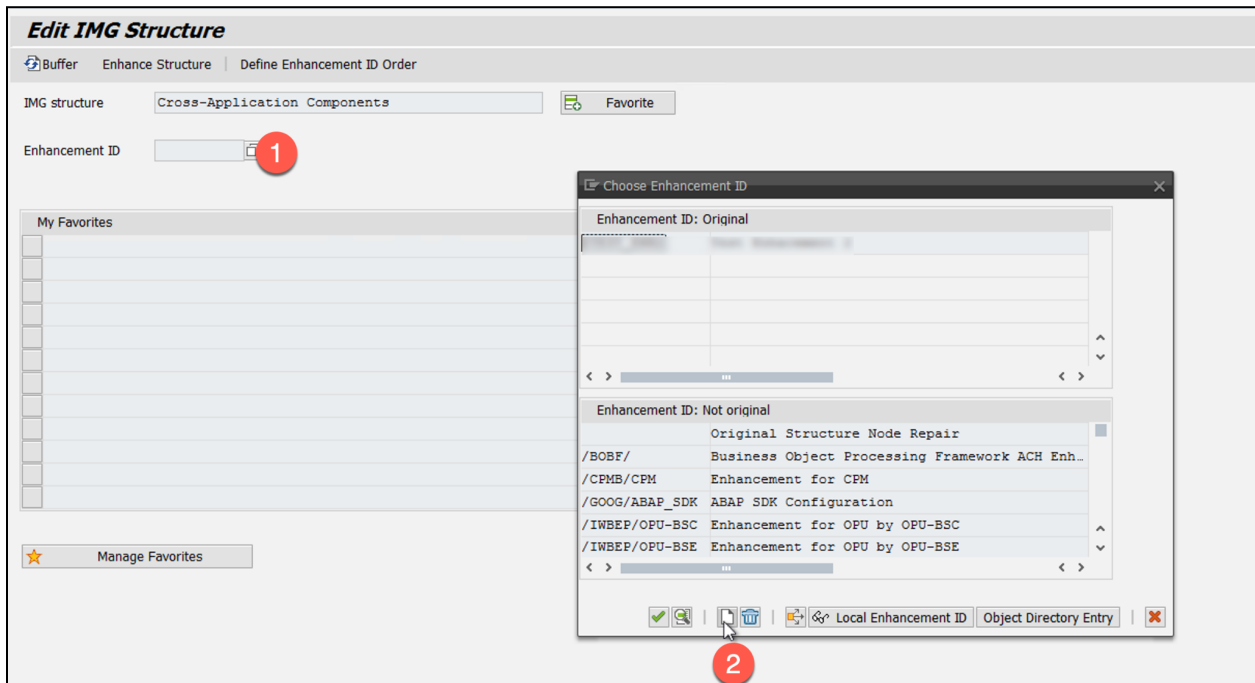
Go to transaction S\_IMG\_EXTENSION and search for the required SPRO structure (or node) using one of the available search options.

For example you can use the Title option to search for the node “SAP BW/4HANA\*”



All the below steps are explained using the example for IMG Structure “Cross-Application Components”

Create a new Enhancement ID as shown in the screenshots below:



In the pop-up, provide a name and description for Enhancement ID and save

Create Enhancement ID

Enhancement ID: ZABAP\_SDK

Explanatory text: SPRO Node for ABAP SDK for Google Cloud

Checkmark, Save, Folder, Namespace Name, Close

Save it in a package if you want to transport it to subsequent systems in your landscape. The system will prompt for a Workbench TR, use an existing TR or create a new one if required by giving an appropriate TR description.

Now, click on Enhance Structure button

Edit IMG Structure

Buffer, Enhance Structure, Define Enhancement ID Order

IMG structure: Cross-Application Components

Enhancement ID: ZABAP\_SDK

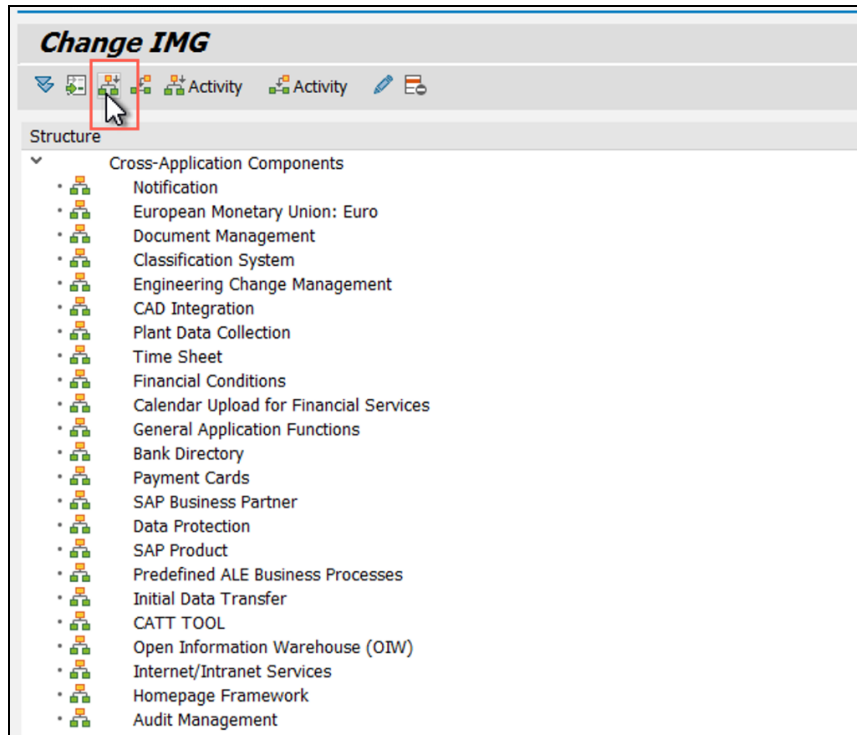
My Favorites

Manage Favorites

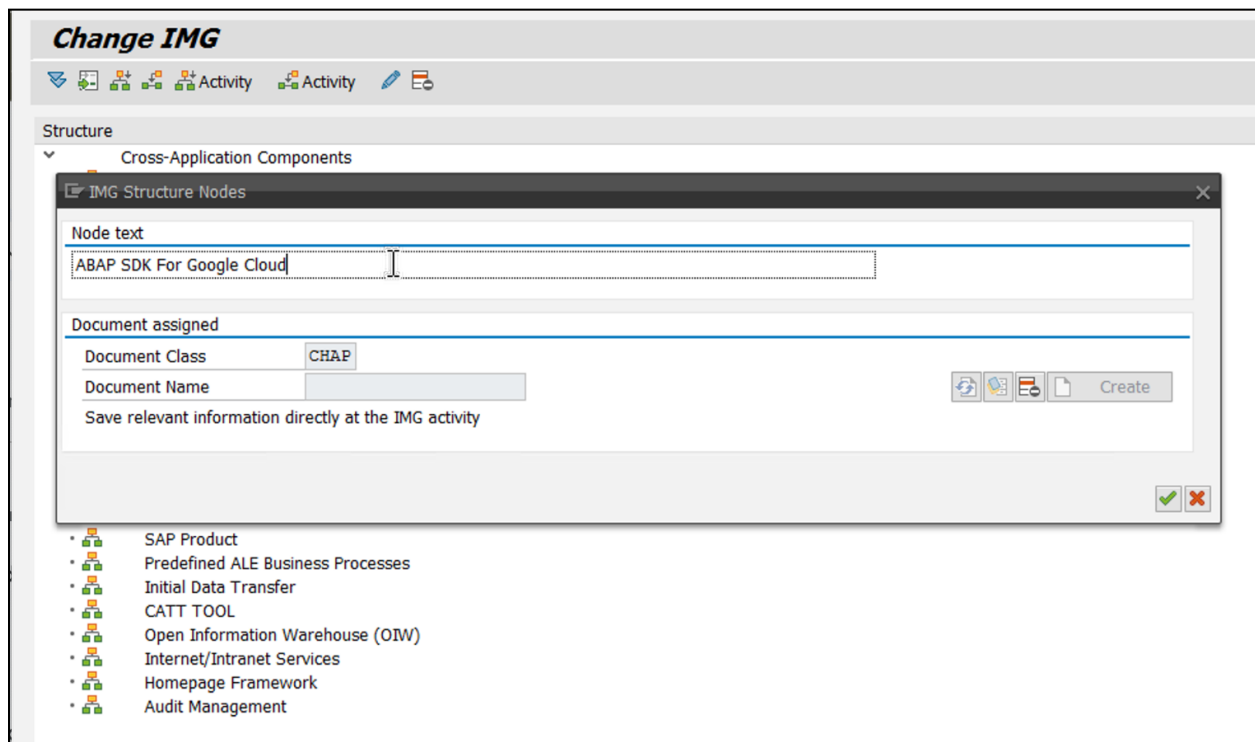
## Step 2: Enhance Structure with Nodes

Select the node under which you want to create a new node for “ABAP SDK for Google Cloud”  
In the example, as mentioned above we will make use of the node “Cross-Application Components”

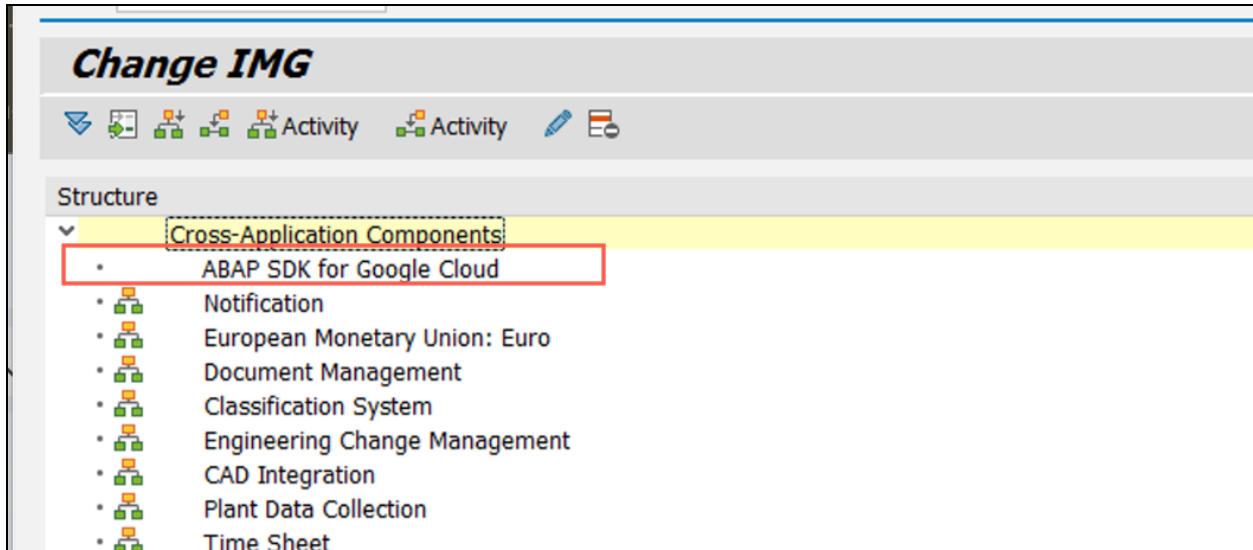
Select the required node and click on the button “Insert Structure Nodes as Sub Nodes” as shown in Screenshot below:



Provide node text as “ABAP SDK for Google Cloud” and click on the button with green tick mark (continue)



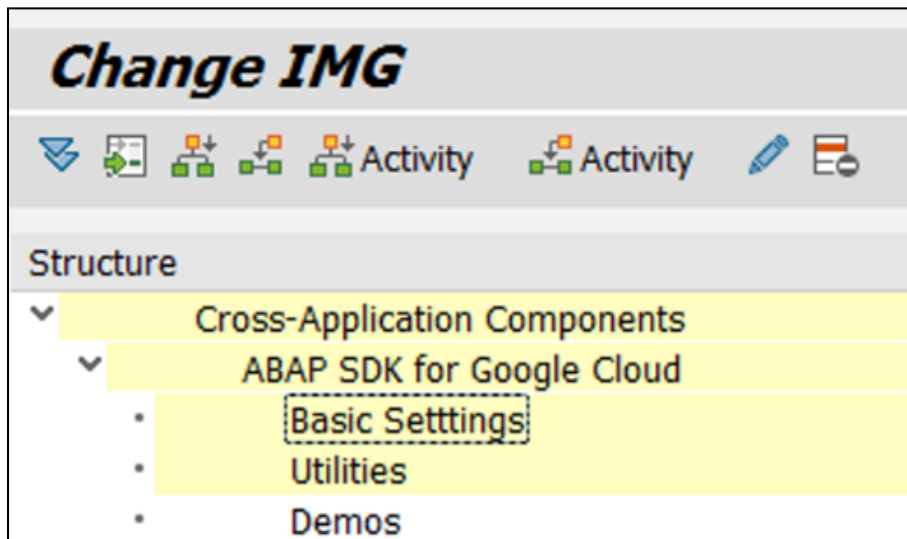
You should now see a new node under “Cross-Application Components”



Select the newly created node “ABAP SDK for Google Cloud” and repeat the above step of “Insert Structure Node as Sub Nodes” 3 times and provide the titles of these three nodes as:

- Demos
- Utilities
- Basic Settings

Since the last node is inserted at top, you should see the following structure once you have completed this activity.



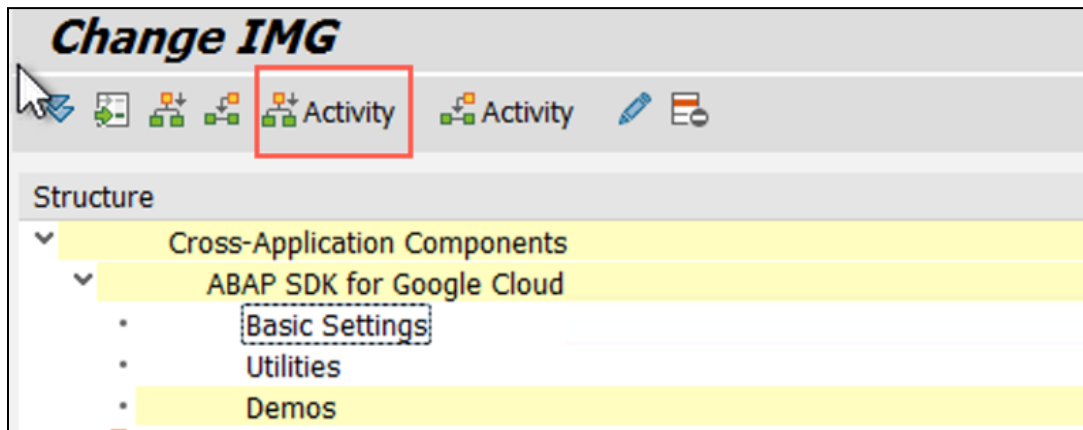
Please note: When you are inserting the sub nodes, you have correctly selected the node “ABAP SDK for Google Cloud”

### Step 3: Add IMG Activities to nodes shipped in the Transport

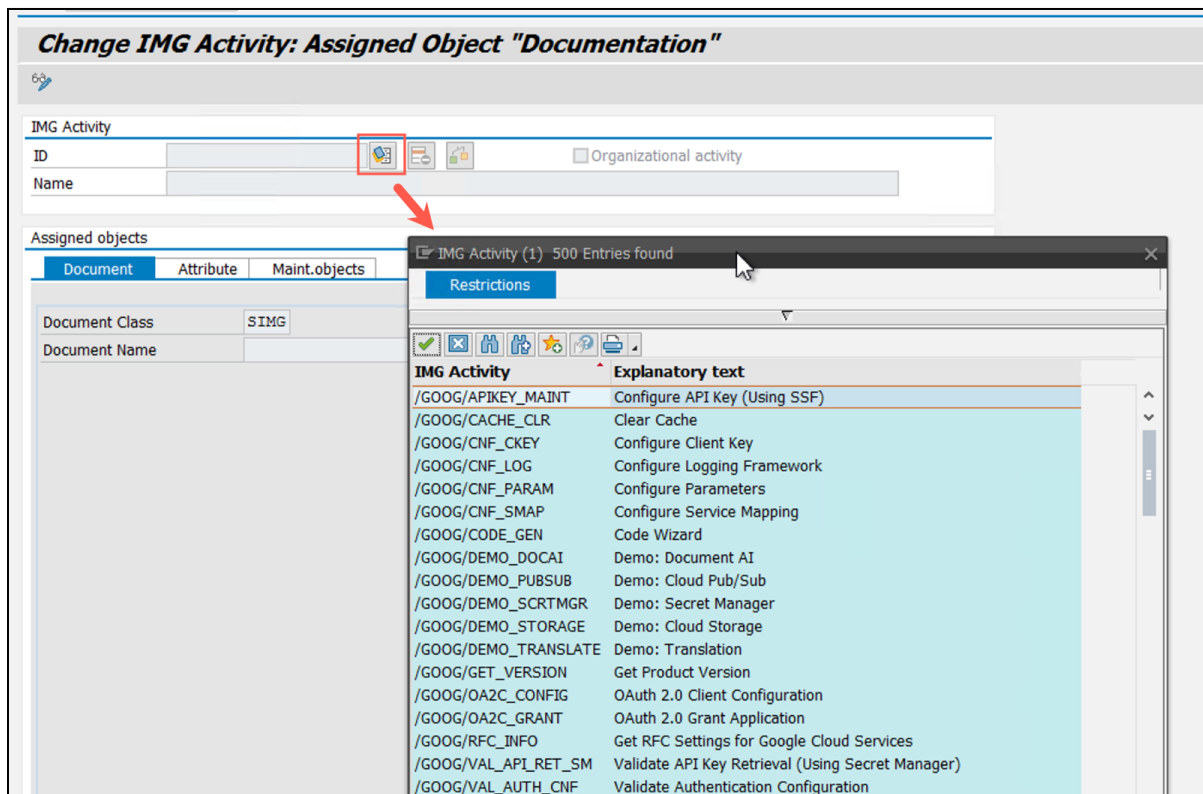
In this step we will be adding the IMG activities shipped in the ABAP SDK transport request to the SPRO subnodes created in the above steps

#### Basic Settings

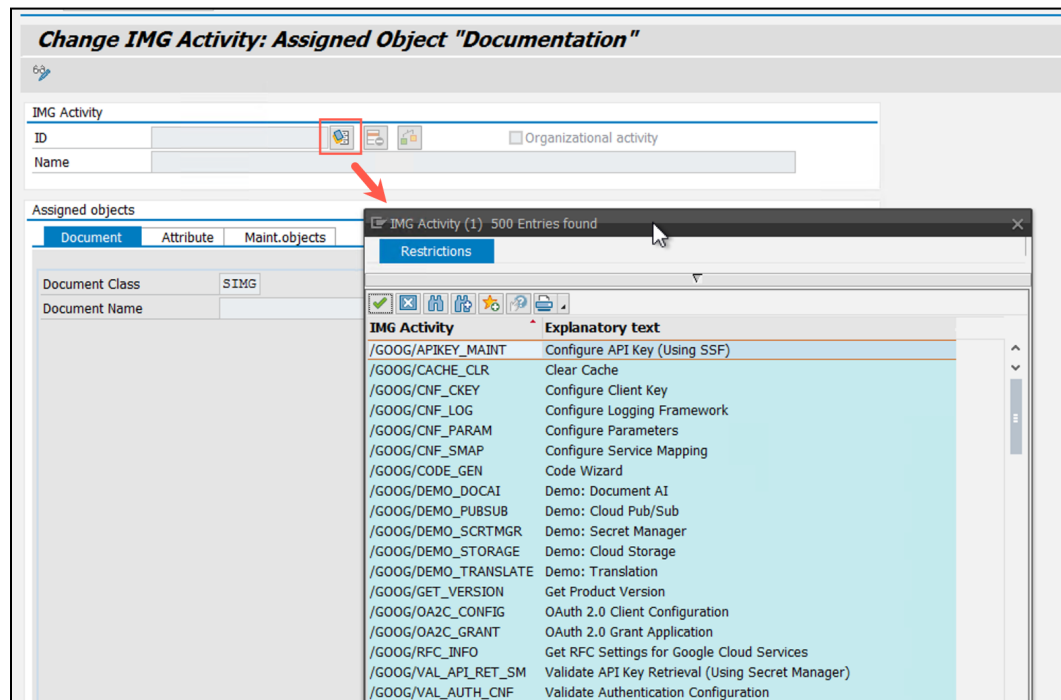
Select the node “Basic Settings” and click on the button “Insert Activity as Subnode”



A new window opens up, here you can select the IMG activity which will already be available:

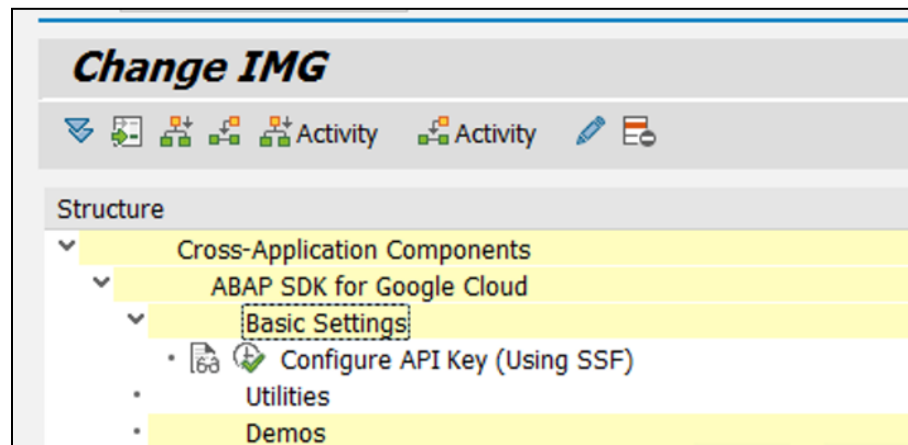


For the first activity to be saved, select IMG Activity “/GOOG/APIKEY\_MAINT” and click on Save



When saving a prompt is displayed for TR, use an existing TR or create a new one by providing appropriate description as needed.

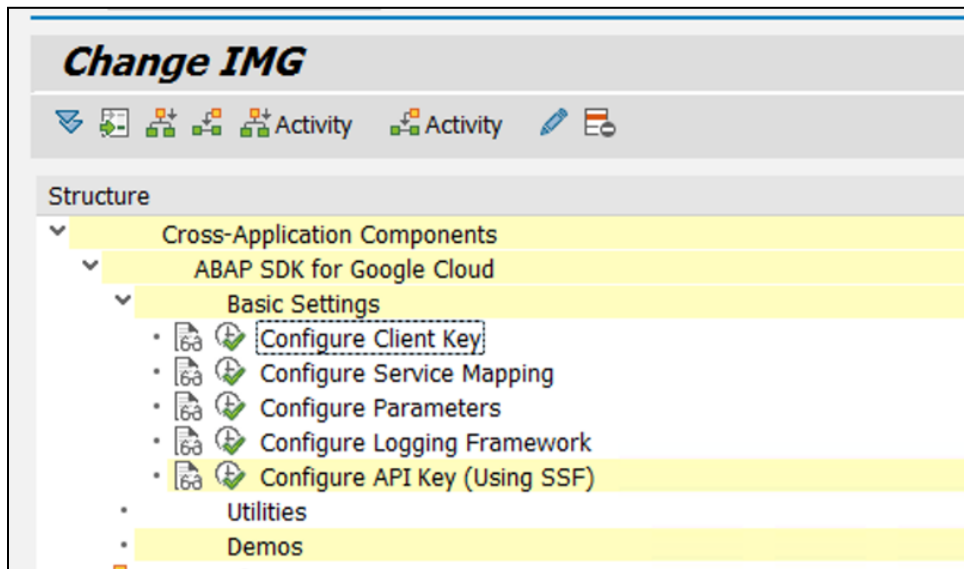
Click on F3 to go back, you should see the enhanced structure as shown below:



Repeat the above steps for the following IMG Activity in the sequence as mentioned below:

1. /GOOG/CNF\_LOG
2. /GOOG/CNF\_PARAM
3. /GOOG/CNF\_SMAP
4. /GOOG/CNF\_CKEY

Once done you will see the node “Basic settings” enhanced as below:



Repeat the above mentioned steps for Node “Utilities”

Add the IMG activities in the following sequence:

1. /GOOG/GET\_VERSION
2. /GOOG/CACHE\_CLR
3. /GOOG/CODE\_GEN
4. /GOOG/RFC\_INFO
5. /GOOG/VAL\_API\_RET\_SM
6. /GOOG/AUTH\_CNF

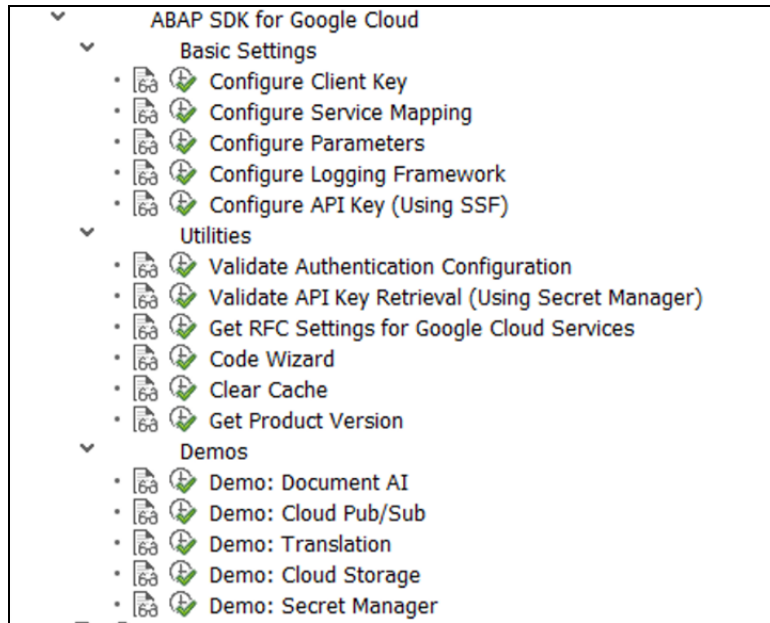
Repeat the above mentioned steps for Node “Demos”

Add the IMG activities in the following sequence

1. /GOOG/DEMO\_SCRTMGR
2. /GOOG/DEMO\_STORAGE
3. /GOOG/DEMO\_TRANSLATE
4. /GOOG/DEMO\_PUBSUB
5. /GOOG/DEMO\_DOCAI

Now, you should see the following structure created:





In the Custom IMG screen, click on the SAVE button and exit.

You have now successfully created the missing ABAP SDK IMG nodes & activities into your SAP customizing (SPRO)

**Note:** Please make sure to transport the newly created TR in which the IMG nodes are saved to subsequent systems in your landscape once the ABAP SDK TR is transported

## Additional Info: Node and Transaction Mapping

All the above mentioned SPRO nodes are available as transaction codes as well and below table provides mapping for the same:

IMG Node			TCODE	Alternative TCODE
ABAP SDK for Google Cloud				
	Basic Settings			
		Configure Client Key	/GOOG/08000003	SM30 - Table: /GOOG/CLIENT_KEY
		Configure Service Map	/GOOG/08000004	SM30 - Table: /GOOG/SERVIC_MAP
		Configure Parameters	/GOOG/08000005	SM30 - Table: /GOOG/SDK_PARAM
		Configure Logging Framework	/GOOG/08000006	SM30 - Table: /GOOG/LOG_CONFIG
		Configure API Key (Using SSF)	/GOOG/APIKEY_MAINT	
	Utilities			
		Validate Authentication Configuration	/GOOG/CHECK_AUTH_CNF	
		Validate API Key Retrieval (Using Secret Manager)	/GOOG/CHECK_AUTH_CNF	
		Get RFC Settings for Google Cloud Services	/GOOG/RFC_INFO	
		Code Wizard	/GOOG/CODE_WIZARD	
		Clear Cache	/GOOG/CLEAR_CACHE	
		Get Product Version	/GOOG/GET_VERSION	
	Demos			
		Demo: Document AI	/GOOG/08000014	SE38/SA48 - Program: /GOOG/R_DEMO_DOCUMENTAI_V1
		Demo: Cloud Pub/Sub	/GOOG/08000015	SE38/SA48 - Program: /GOOG/R_DEMO_PUBSUB_V1
		Demo: Translation	/GOOG/08000016	SE38/SA48 - Program: /GOOG/R_DEMO_TRANSLATION_V2
		Demo: Cloud Storage	/GOOG/08000017	SE38/SA48 - Program: /GOOG/R_DEMO_STORAGE_V1
		Demo: Secret Manager	/GOOG/08000018	SE38/SA48 - Program: /GOOG/R_DEMO_SECRETMGR_V1