

How to Restart SAP Workflow



There are situations in a support project, where a workflow will fail in error status. This may be due to not maintaining the required data in some table. After maintaining the data correctly you may need to restart the workflow again. Now we can see how to restart SAP Workflow. Below are the two ways on how to restart a SAP workflow.

Re-start a workflow from SWPR transaction.

A workflow can be re-started if it is in “Error” status.

Goto **SWIA** and get the Workflow ID

1. Go to T-Code – **SWPR**

Below is the screen of SWPR

The screenshot shows the SAP SWPR transaction interface. At the top is a menu bar with 'Program', 'Edit', 'Goto', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main title is 'Workflow Restart After Error'. Underneath is a 'Workflow work item' section with a table for selection criteria. The table has columns for 'Identification', 'Created On', and 'Creation time', each with a 'to' column for date and time ranges. To the right of each row are three yellow arrow icons. Below this is a 'Task ID' section with a 'Multistep task' field and a yellow arrow icon. At the bottom is a 'Technical settings' section with a checkbox labeled 'Restart immediately'.

2. Enter the Workflow ID in the “Identification” field

Workflow work item

Identification to

3. Select the workflow line and click on Restart workflow button.

Workflow Restart After Error

Restart workflow (F5)

Workflow Restart After Error

ID	Flag	Text	Status	Creation Date	Creation time
15793322		Check credit memo request 61070763	STARTED	30.07.2015	13:56:18

Workflow Restart After Error

Restart workflow (F5)

Workflow Restart After Error

ID	Flag	Text	Status	Creation Date	Creation time
15793322	✓	Check credit memo request 61070763	STARTED	30.07.2015	13:56:18

✓ "Restart after error" function has been executed

SAP

The workflow is restarted after error successfully.

Now we can see how to create a workflow with the help of **SAP_WAPI_CREATE_EVENT** function module. We can also restart a workflow with a different initiator with this function module. Here we can also trigger a workflow which is not in error status.

1. Go to SE37 transaction and enter the function module name and execute.

Function Module : **SAP_WAPI_CREATE_EVENT**

Function Builder: Initial Screen

Test/Execute (F8)

Function Module

Display Change Create

2. The below screen will be displayed.

Test Function Module: Initial Screen

Debugging Test data directory

Test for function group SWRR
Function module SAP_WAPI_CREATE_EVENT
Uppercase/Lowercase ☐

RFC target sys:

Import parameters	Value
OBJECT_TYPE	<input type="text"/>
OBJECT_KEY	<input type="text"/>
EVENT	<input type="text"/>
COMMIT_WORK	X
EVENT_LANGUAGE	EN
LANGUAGE	EN
USER	<input type="text"/>
IFS_XML_CONTAINER	<input type="text"/>

Tables	Value
INPUT_CONTAINER	0 Entries
MESSAGE_LINES	0 Entries
MESSAGE_STRUCT	0 Entries

3. To get the OBJECT_TYPE, open the workflow in SWIA transaction. Select the work item and click on “Display work item container” you can find the Object type starting with BUS*****.

Process Work Item As Administrator (1 Entry)

CP1(1)/500 Display Container Instance

Expression	Values
Adhoc_Objects	< Not Set >
Attach_Objects	< Not Set >
_Wf_Initiator	
_Wf_Priority	5
_Wi_Group_ID	< No Instance >
_Workitem	FLOWITEM:000026190014
_Wf_Version	0014
_Predecessor_Wi	< No Instance >
End_Flag	
CustComplaintOrder	BUS2094:0061077099
SalesDocument	< Not Set >

4. The other details are as below,

- OBJECT_KEY is the complete key with the zeros padded (Example: document number or customer number)
- EVENT will be the status (CREATED or STARTED etc)
- USER will be the initiators User id. Here we have the provision to change the

existing initiator to a new initiator.

- Other details will be populated automatically.

Test Function Module: Initial Screen

Debugging Test data directory

Test for function group SWRR
Function module SAP_WAPI_CREATE_EVENT
Uppercase/Lowercase ☐
RFC target sys:

Import parameters	Value
OBJECT_TYPE	BUS2094
OBJECT_KEY	0061075005
EVENT	CREATED
COMMIT_WORK	X
EVENT_LANGUAGE	EN
LANGUAGE	EN
USER	USER ID
IFS_XML_CONTAINER	

Tables	Value
INPUT_CONTAINER	0 Entries
MESSAGE_LINES	0 Entries
MESSAGE_STRUCT	0 Entries

5. Execute the function module.

This process will create a new workflow item.