

APD Inclusion in Process Chains - A Step-By-Step Guide



Applies to:

SAP NetWeaver BW. For more information, visit the [EDW homepage](#)

Summary

This document provides a solution to the issue of not having a Process type for including APD in Process Chains using a real-time business scenario as an example.

Author: Shyam Uthaman

Company: Accenture Services Pvt. Ltd.

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Author Bio



Shyam Uthaman is working as SAP-BI Consultant.

He is working simultaneously on multiple projects for different clients in Accenture.

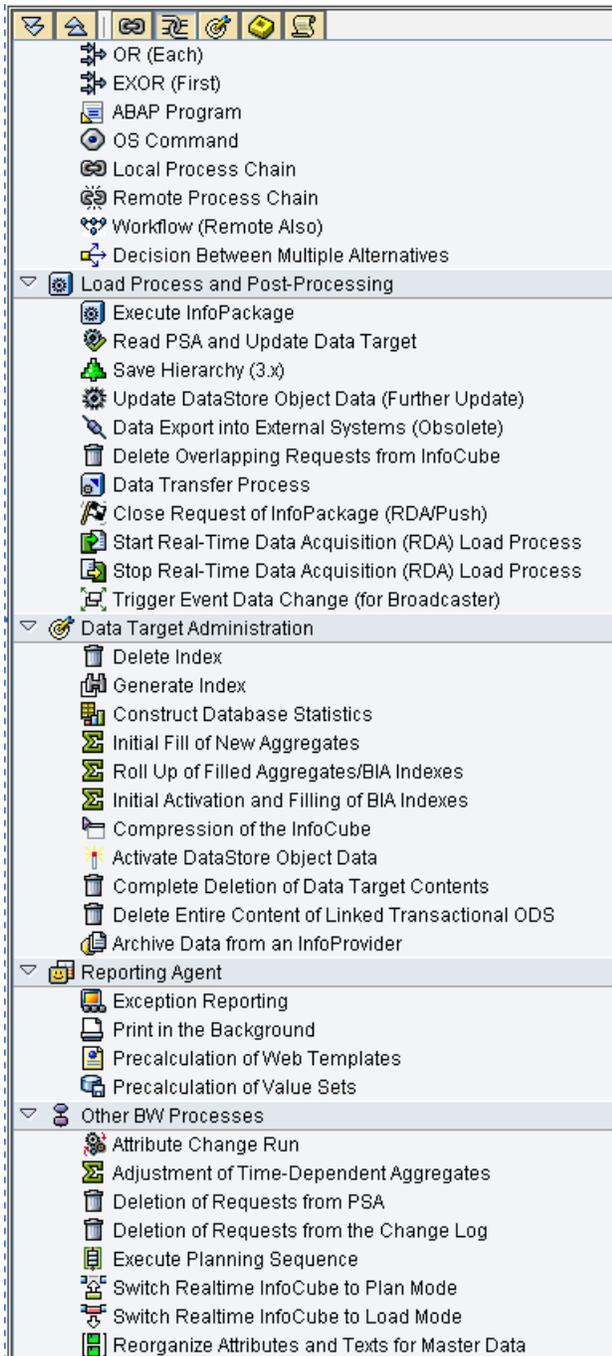
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The Problem

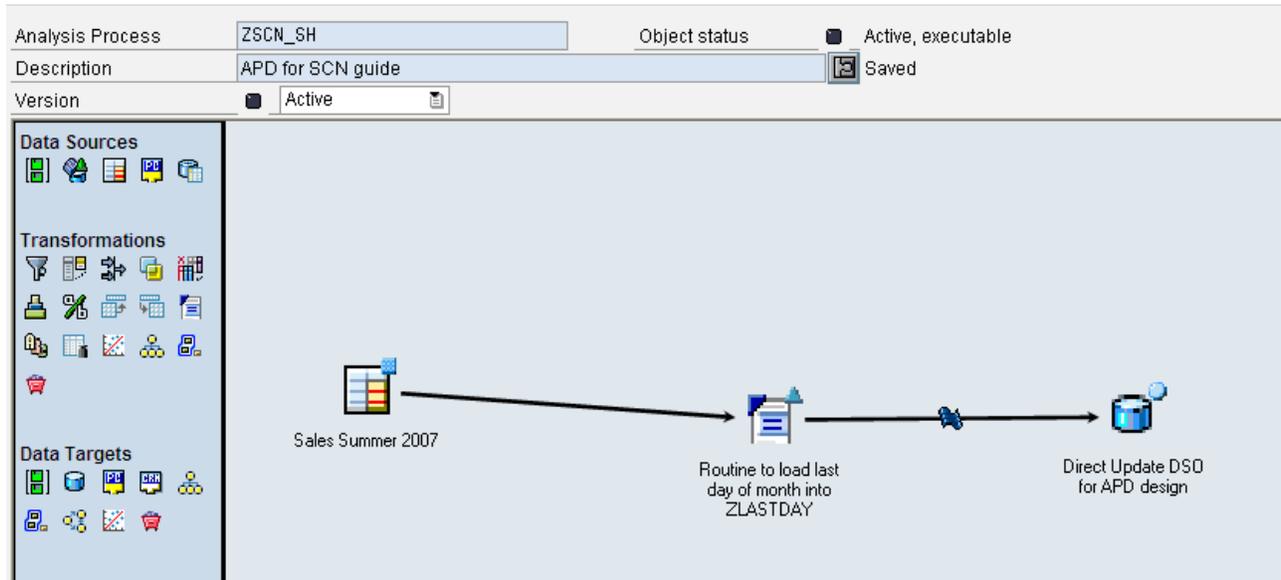
The Process Types menu in RSPC provides many design options but unfortunately leaves out the one for APD execution in the process chain.

As we can see below, there is no processing type associated with an APD.



The Solution

In this example we will show how to include the following APD design (Technical name: ZSCN_SH) into a process chain.

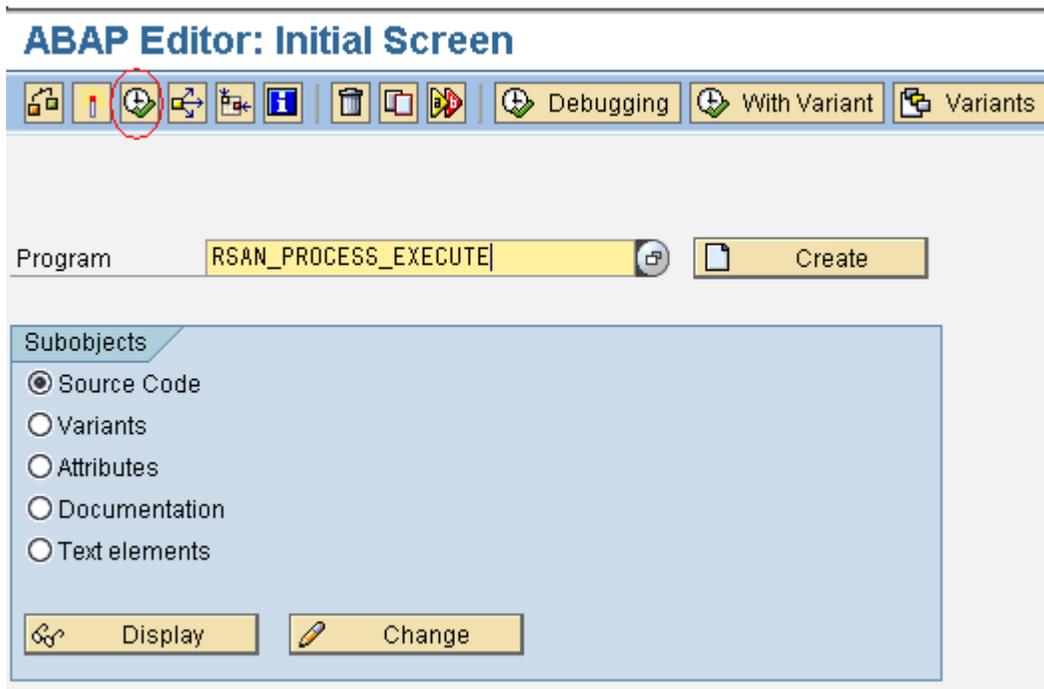


As there is no process type associated with an APD, SAP has provided a Standard program `RSAN_PROCESS_EXECUTE` for APD inclusion in process chain.

We will see how to use this program in this document.

Step-By-Step Implementation Procedure

Firstly, Go to SE38 TCODE and enter the program name `RSAN_PROCESS_EXECUTE` and press the execute button circled in red below.



You will get the following screen where you will enter 'A' In Version text-field for Active Version, Your APD technical name in Analysis Process Text-Field and Select Execute Analysis Process Radio-button in the Action to Execute menu.

Execute Analysis Process

Analysis Process

Version

Analysis Process

Action to execute

Execute Analysis Process

Calculate Interim Result
Name of the Node

Delete Interim Result
Name of the Node

Calculate Calculation Summary
Name of the Node

Delete Calculation Summary
Name of the Node

Delete All Interim Results

Now we have to save this variant.

To do that, we will have to click on Goto -> Variants -> Save As variant. (As shown below)

Or you can do the usual Ctrl + S to save the effort.

The screenshot shows the SAP GUI interface. The menu bar includes 'Program', 'Edit', 'Goto', 'System', and 'Help'. The 'Goto' menu is open, showing 'Variants' as the selected option. The 'Variants' sub-menu is also open, with 'Save As Variant...' highlighted and the keyboard shortcut 'Ctrl+S' displayed. The background shows the 'Execute Analysis Process' screen with the 'Version' field set to 'A' and the 'Analysis Process' field set to 'ZSCN_SH'. The 'Action to execute' section has 'Execute Analysis Process' selected.

You will reach the following screen where you will have to input the Variant name and give a Meaning to it in text-fields.

Also please Check the 'Only for background Processing' Checkbox (Circled in Red below).

Press the s

Variant Attributes

Copy Screen Assignment

Variant Name: ZSCN_SH
 Meaning: Variant for APD execution

Only for Background Processing
 Protect Variant
 Only Display in Catalog
 System Variant (Automatic Transport)

Scrn Assignm.

Created	Selection Scrms
<input checked="" type="checkbox"/>	1000

Objects for selection screen

Selection Scrms	Field name	Type	Protect field	Hide field	Hide field 'BIS'	Save field without values	Switch GPA off	Required field
1.000	Version	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.000	Analysis Process	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.000	Execute Analysis Process	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Calculate Interim Result	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Name of the Node	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Delete Interim Result	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Name of the Node	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Calculate Calculation Summary	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Name of the Node	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Delete Calculation Summary	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Name of the Node	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Delete All Interim Results	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	EXPLAIN	P	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

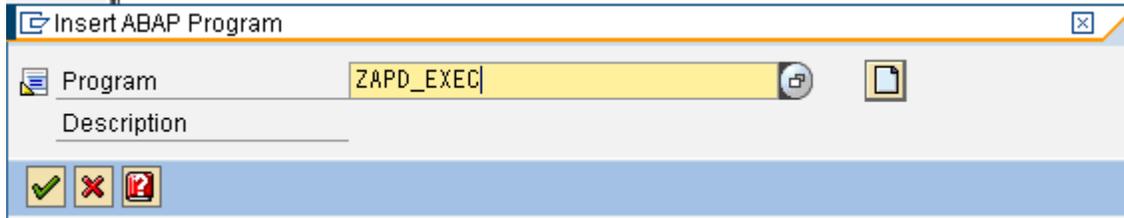
Now go to RSPC Transaction and create a new process chain with a start Variant as shown below.

The screenshot shows the SAP RSPC (Remote Spool Process Chain) transaction interface. On the left, the 'General Services' tree is expanded, and 'ABAP Program' is highlighted with a yellow dashed border. On the right, the development pane shows a 'Start' button with a clock icon and a 'START' button with a yellow arrow icon.

Now to include the APD execution in the process chain, we need to use the variant we created and saved earlier. We will integrate it into an ABAP Program Processing Type as highlighted above.

Drag and drop the ABAP Program Processing Type into the development pane.

You will get the following pop-up wherein enter a Program name and click on create .

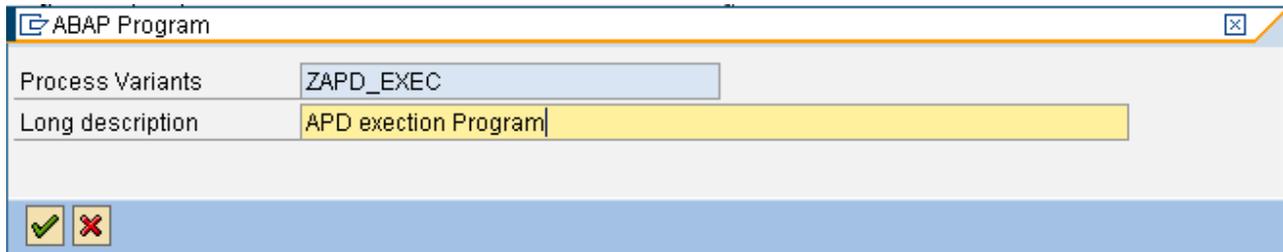


Insert ABAP Program

Program

Description

Now, you will get another pop-up. Enter a meaningful description (as shown below)

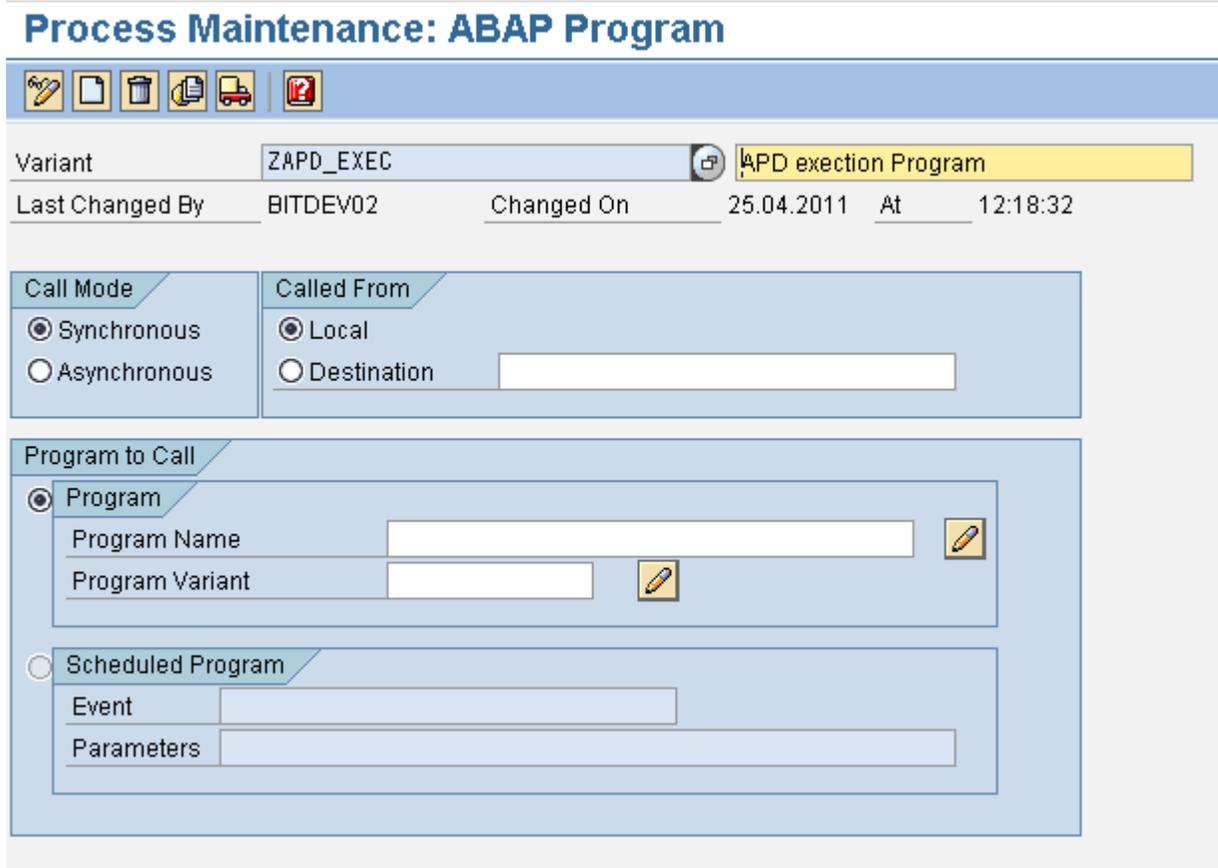


ABAP Program

Process Variants

Long description

You will get the following screen



Process Maintenance: ABAP Program

Variant

Last Changed By BITDEV02 Changed On 25.04.2011 At 12:18:32

Call Mode

Synchronous Asynchronous

Called From

Local Destination

Program to Call

Program

Program Name

Program Variant

Scheduled Program

Event

Parameters

Now we have to enter the Standard program name and the Process Variant name that we had created earlier. The following screenshot shows the filled details.

Variant: ZAPD_EXEC | APD execution Program

Last Changed By: BITDEV02 | Changed On: 25.04.2011 | At: 12:18:32

Call Mode: Synchronous | Asynchronous

Called From: Local | Destination

Program to Call: Program

Program Name: RSAN_PROCESS_EXECUTE

Program Variant: ZSCN_SH

Scheduled Program

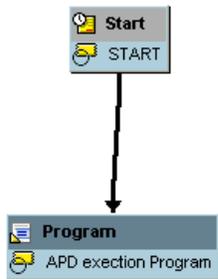
Event: []

Parameters: []

Now save and return to the development pane.

Also connect the Start variant to the ABAP Program processing type.

The end result is shown below.



You can include more subsequent steps in the chain according to your business requirement.

The following image shows the log view of the Process chain after execution.

Process Chain Maintenance Log View APD PC 25.04.2011 12:35:36

Descript./Date/Time	Log ID	Chain
APD PC		
21.04.2011		
25.04.2011		
12:23:42	LAST_SAVED BITD...	ZAPDPC
12:23:59	LAST_ACTIVATED B...	ZAPDPC
12:35:36	DABZ9MXKQ62RKQ...	ZAPDPC

This confirms that the Process chain is running successfully.

Related Content

http://help.sap.com/saphelp_nw04/helpdata/en/8f/c08b3baaa59649e10000000a11402f/content.htm

http://help.sap.com/saphelp_nw04/helpdata/en/67/13843b74f7be0fe10000000a114084/content.htm

http://help.sap.com/saphelp_erp2004/helpdata/en/49/7e960481916448b20134d471d36a6b/content.htm

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