

Integration of Multiple Campaigns Functionality of SAP CRM 2007 to ECC 5.0 or lower



Applies to:

SAP CRM 2007 and SAP CRM 7.0. For more information, visit the [Customer Relationship Management homepage](#).

Summary

The purpose of this article is to make aware of the Integration of Multiple Campaign Functionality in SAP CRM 2007.

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Overview

The Multiple Campaign Functionality comes into picture when the customer while placing an Order in B2B gives more than 1 campaign for discounts. Now while the order is created in CRM, system determines the discounts via the condition technique and applies appropriate discounts on the items or as the case may be. After the Order is saved in the CRM system and it tries to replicate to ECC it considers only one Campaign during pricing redetermination.

Pre-Requisites

The pre-requisites of this problem are as follows:

1. You have an integration of ECC system of version 5.0 or lower with CRM 6.0 or Higher.
2. Multiple Campaign Scenario is enabled in the Web Channel Scenario through Shop Admin Console.
3. Pricing determination scenario is set to have re-determination in ECC excepting manual Conditions.

Scope

The Scope of this document describes the activities to be undertaken in order to prevent the mismatch of pricing of a Sales Order when it is replicated from CRM to ECC in case Multiple Campaigns are entered through the B2B Webshop.

The steps for preventing the mismatch are as follows:

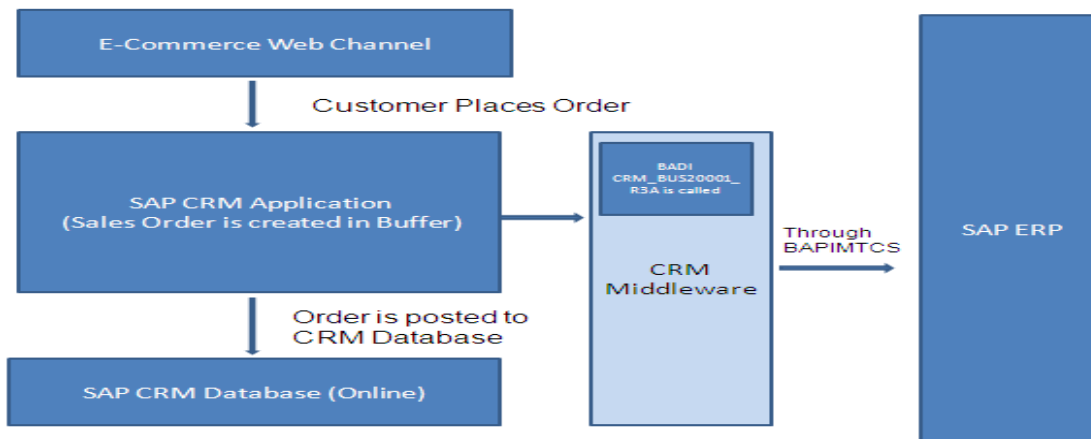
- Check the Pricing Transfer Scenario in table SMOFPARSFA
- Implement the BADI CRM_BUS20001_R3A
- Copy and Create a new Function Module from CRM_R3_SALESDOCUMENT_UPLOAD
- Copy and Create a new Function Module from CRM_SALESDOC_MAP_MBD0C2BAPI

Usage

This document is meant to overcome the problem of Multiple Campaigns not getting transferred to the ERP system with the Sales order. Thus, this document is applicable to B2B (business-to-business), B2C (business-to-customer) and BOB (business-on-behalf) Applications in SAP CRM e-Commerce.

Architecture

The following figure demonstrates the program flow for Campaigns:



Solution

- Check the Pricing Transfer Scenario in table SMOFPARSFA

Middleware Parameter					
Key	Paramname	Para...	Par...	N	Paramval
R3A-COMMON	TIME_ZONE_OLTP	EC6CLNT			
R3ACOMMON	SWITCH_OFF_LENGTH_CHECK	CDBC_TESPRAS		X	
R3A_BILL	CRM_DEFAULT_DESTINATION_DIALOG	CRM_BIL			
R3A_CMP	COMPARE_BLOCKSIZE				1000
R3A_COMMON	CRM_AUTO_DELTA_EVENT_ACTIVATIO			X	
R3A_COMMON	CRM_DEFAULT_DESTINATION	CRM_R3M			ECV700
R3A_COMMON	CRM_R3OLTP_ACTIVE			X	
R3A_COMMON	MAX_PARALLEL_PR				
R3A_COMMON	WAIT FOR UPDATE				
R3A_COMMON	WAIT FOR UPDATE				
R3A_SALES	BEHAVE_WHEN_ERROR			R	
R3A_SALES	INT_CHANGE_ORDER	ZSBB		A	
R3A_SALES	INT_NUMBER_ASSIGNMENT				
R3A_SALES	NOSTRUCTURE			X	
R3A_SALES	PRICINGTYPE			G	
R3_CRM	R3_CRM_SERVICE_SYNCHRONOUS_CALBOM			X	
R3_CRM	R3_CRM_SERVICE_SYNCHRONOUS_CALBUPA_MA			X	
R3_CRM	R3_CRM_SERVICE_SYNCHRONOUS_CALBUPA_RE			X	
R3_CRM	R3_CRM_SERVICE_SYNCHRONOUS_CALCONTACT			X	
R3_CRM	R3_CRM_SERVICE_SYNCHRONOUS_CALCUSTOME			X	

- Implement the BADI CRM_BUS20001_R3A

There is only one method CALL_UPLOAD_FUNCTION in the interface IF_EX_CRM_BUS20001_R3A which needs to be implemented. Copy the standard implementation of this BADI CRM_SALESDOCU_R3A and deactivate the same.

Replace the Call of CRM_R3_SALESDOCUMENT_UPLOAD with a Z function Module.

- Copy and Create a new Function Module from CRM_R3_SALESDOCUMENT_UPLOAD.

Change only that part where it is calling the standard FM CRM_SALESDOC_MAP_MBD0C2BAPI by a new Z Function Module.

- Copy and Create a new Function Module from CRM_SALESDOC_MAP_MBD0C2BAPI

Copy the Standard Function Module CRM_SALESDOC_MAP_MBD0C2BAPI and change only the part as indicated below:

```
IF NOT is_message_ext-prcd_cond IS INITIAL.
```

```
* bapicond, bapicondx
  PERFORM fill_bapicond
    USING <ls_orderadm_h>
          is_message_ext-orderadm_i
          is_message_ext-pricing
          is_message_ext-prcd_cond.
```

```
LOOP AT gt_bapicond.
```

* Get the Condition Types of the Campaigns for which you want to have Multiple Campaigns Functionality.

```
gt_bapicond-condcntr1 = 'C'. <<< Setting this value of C means that these  
Condition types are to be copied and not to be determined in ECC >>>
```

```
  MODIFY gt_bapicond.  
  ELSE.  
    CONTINUE.  
  ENDIF.  
  
  ENDLLOOP.  
ENDIF.
```

Glossary

- B2B: Business-to-Business Application in SAP CRM Web channel.
- B2C: Business-to-Customer Application in SAP CRM Web channel.
- BOB: Business-on-Behalf Application in SAP CRM Web channel.
- ERP / ECC : SAP R/3 System
- BADI: Business Add In which incorporates an interface and is implemented to deviate from the SAP standard Functionality

Related Content

In addition to information given in this document, there is a wide range of information available that deals with plausible scenarios and issues in Campaign Scenario in SAP CRM e-Commerce at the following

[SAP Portal CRM Web Channel](#): Information on SAP CRM Web Channel.

[SAP Community Network Forums](#): Forum for Web Channel

[SAP Portal Middleware Data Exchange](#): Data Transfer from CRM to ECC

For more information, visit the [Customer Relationship Management homepage](#)

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