

Maintaining Partner Functions- Add/Update/Delete

Yoon Chung, Solutions Engineer | Winshuttle, LLC



WINSHUTTLE
USER
GROUP CONFERENCE

Introduction

- Yoon Chung, Solutions Engineer
 - Joined Sept. 2014
 - Winshuttle user since 2010
 - Worked in CPG Industry
 - SAP Support and Implementation
 - Winshuttle implementation - Logistics, Manufacturing, Finance, Purchasing...



2 Takeaways From This Session

1. New solution idea to add to your library
2. Incorporating IF conditions into your scripts

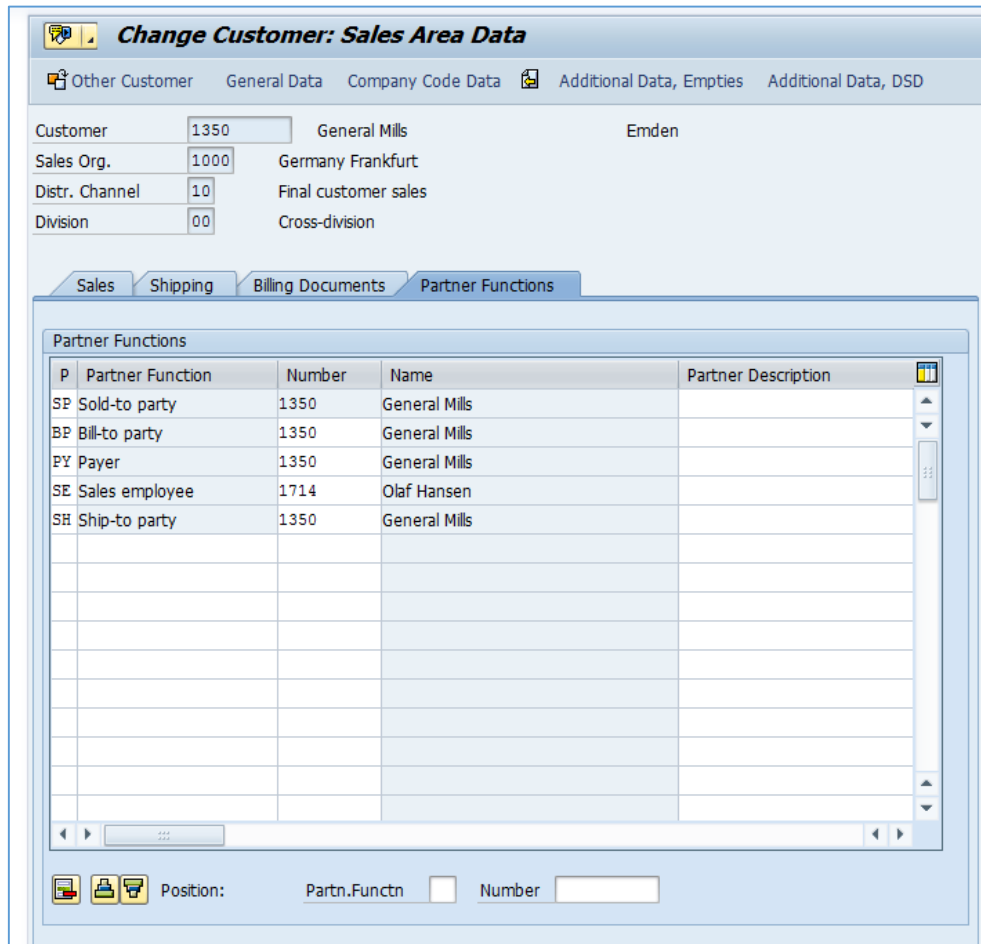


Agenda

- Solution Overview/Demo
- Partner Function Query
- Partner Function Script
 - Recording Tips
 - If Conditions
 - Editing the Mapper
- Questions?



Customer Master – Partner Function



The screenshot shows the 'Change Customer: Sales Area Data' window in SAP. The 'Partner Functions' tab is active, displaying a table with the following data:

P	Partner Function	Number	Name	Partner Description
SP	Sold-to party	1350	General Mills	
BP	Bill-to party	1350	General Mills	
PY	Payer	1350	General Mills	
SE	Sales employee	1714	Olaf Hansen	
SH	Ship-to party	1350	General Mills	

Additional details from the screenshot:
Customer: 1350, General Mills, Emden
Sales Org.: 1000, Germany Frankfurt
Distr. Channel: 10, Final customer sales
Division: 00, Cross-division

Multi-function Solution

- Single Template
- Query
- Single Transaction script – Add, Replace, Delete

Demonstration



Partner Function Template (Add, Replace, Delete)

Customer Number	Customer Name	Sales Org	Distr. Ch	Division	Partner Function	Business Partner	Business Partner Name	Select Option: Add, Replace, Delete	New Partner# (Only if Add or Replace)	New Partner Function (Only if Add)
0000001300	Energy Transfer Equity	1000	12	00	SP	0000001300	Energy Transfer Equity	REPLACE	1380	
0000001300	Energy Transfer Equity	1000	12	00	BP	0000001300	Energy Transfer Equity	DELETE		
0000001300	Energy Transfer Equity	1000	12	00	PY	0000001300	Energy Transfer Equity			
0000001300	Energy Transfer Equity	1000	12	00	SH	0000001300	Energy Transfer Equity	ADD	1670	SH
0000001300	Energy Transfer Equity	1000	12	00	SH	0000001251	Arrow Electronics			
0000001302	Amgen	1000	10	00	SP	0000001302	Amgen	ADD	111	SP
0000001302	Amgen	1000	10	00	BP	0000001302	Amgen			
0000001302	Amgen	1000	10	00	PY	0000001302	Amgen	REPLACE	1310	
0000001302	Amgen	1000	10	00	SH	0000001302	Amgen			



Query – Tables/Fields

Tables

- KNVP – Customer Master Partner Func.
 - Customer#, Sales Org, Distr. Ch., Division, Customer# of Business Partner
- KNA1 – Customer Master, General Data
 - Name
- TPAUM – Partner Function translation (optional)
 - Partner Function

Query – Workspace

Query Builder

(5) [KNVP (Customer Master Partner Functions)]

- KUNNR Customer Number 1
- VKORG Sales Organization
- VTWEG Distribution Channel
- SPART Division
- PARVW Partner Function
- PARZA Partner counter
- KUNN2 Customer number of business partner
- LIFNR Account Number of Vendor or Creditor
- PERNR Personnel Number
- PARNR Number of contact person
- KNREF Customer description of partner (plant, storage)
- DEFFA Default Partner

(1) [KNA1 (General Data in Customer Master)]

- KUNNR Customer Number 1
- LAND1 Country Key
- PSTLZ Postal Code
- SORTL Sort field
- MCOD1 Search term for matchcode search
- MCOD2 Search Term for Matchcode Search
- MCOD3 Search term for matchcode search
- FISKN Account number of the master recor
- CONFS Status of Change Authorization (Cer
- NAME1 Name 1
- NAME2 Name 2

(1) KNA11 ([KNA1 (General Data in Customer Mast...)]

- KUNNR Customer Number 1
- LAND1 Country Key
- PSTLZ Postal Code
- SORTL Sort field
- MCOD1 Search term for matchcode search
- MCOD2 Search Term for Matchcode Search
- MCOD3 Search term for matchcode search
- FISKN Account number of the master recor
- CONFS Status of Change Authorization (Cer
- NAME1 Name 1
- NAME2 Name 2

(1) [TPAUM (Business partner: Language conversion for p...)]

- SPRAS Language Key
- PARVW Partner function (not converted)
- PABEZ Language-specific description of partner function

Output	Selection	Field Description	Technical Name	Selection Type	Where Clause	Required	Lookup Type	Field S
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Customer number of busi...	KNVP.KUNN2			<input type="checkbox"/>		10
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Customer Number 1	KNVP.KUNNR	RunTime	{KNVP.KUNNR Between " And...	<input checked="" type="checkbox"/>	SapOptional	10
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sales Organization	KNVP.VKORG	RunTime	{KNVP.VKORG = '1000'}	<input type="checkbox"/>	SapOptional	4
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Distribution Channel	KNVP.VTWEG	RunTime	{KNVP.VTWEG = ""}	<input type="checkbox"/>	SapOptional	2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Division	KNVP.SPART	Fixed	{KNVP.SPART = '00'}	<input type="checkbox"/>	SapOptional	2
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Customer Name	KNA1.NAME1			<input type="checkbox"/>		35
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Partner Function	TPAUM.PABEZ	RunTime	{TPAUM.PABEZ = ""}	<input type="checkbox"/>	List	2
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Language Key	TPAUM.SPRAS	Fixed	{TPAUM.SPRAS = 'EN'}	<input type="checkbox"/>	SapOptional	1
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Partner Name	KNA11.NAME1			<input type="checkbox"/>		35

You can duplicate tables. But, why two KNA1's?

- Names
 - Customer r#
 - Partner#
- Custom join to KNVP



Query Workspace - v11 Sneak Peek

Workspace Criteria Runtime Mapper

KNVP (Customer Master Partner Functions)

Key	Output	Criteria	Name Description	Type Length
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	KUNNR Customer Number 1	String 10
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VKORG Sales Organization	String 4
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VTWEG Distribution Channel	String 2
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SPART Division	String 2
	<input type="checkbox"/>	<input type="checkbox"/>	PARVW Partner Function	String 2
	<input type="checkbox"/>	<input type="checkbox"/>	PARZA Partner counter	String 3
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	KUNN2 Customer number of business partner	String 10
	<input type="checkbox"/>	<input type="checkbox"/>	LIFNR Account Number of Vendor or Creditor	String 10
	<input type="checkbox"/>	<input type="checkbox"/>	PFRNR	String

KNA1 (General Data in Customer Master)

Key	Output	Criteria	Name Description	Type Length
	<input type="checkbox"/>	<input type="checkbox"/>	KUNNR Customer Number 1	String 10
	<input type="checkbox"/>	<input type="checkbox"/>	LAND1 Country Key	String 3
	<input type="checkbox"/>	<input type="checkbox"/>	PSTLZ Postal Code	String 10

KNA11 (KNA1 (General Data in Customer Master))

Key	Output	Criteria	Name Description	Type Length
	<input type="checkbox"/>	<input type="checkbox"/>	KUNNR Customer Number 1	String 10
	<input type="checkbox"/>	<input type="checkbox"/>	LAND1 Country Key	String 3
	<input type="checkbox"/>	<input type="checkbox"/>	PSTLZ Postal Code	String 10
	<input type="checkbox"/>	<input type="checkbox"/>	SORTL	String 10

TPAUM (Business partner: Language conversion for partner functions)

Key	Output	Criteria	Name Description	Type Length
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPRAS Language Key	String 1
	<input type="checkbox"/>	<input type="checkbox"/>	PARVW Partner function (not converted)	String 2
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PABEZ Language-specific description of partner function	String 2

Lists Data Preview Data Set Search Results

Output Fields

KNVP.KUNN2 Customer number of business partner	String 10
KNVP.KUNNR Customer Number 1	String 10
KNVP.VKORG Sales Organization	String 4
KNVP.VTWEG Distribution Channel	String 2
KNVP.SPART Division	String 2

Criteria Fields

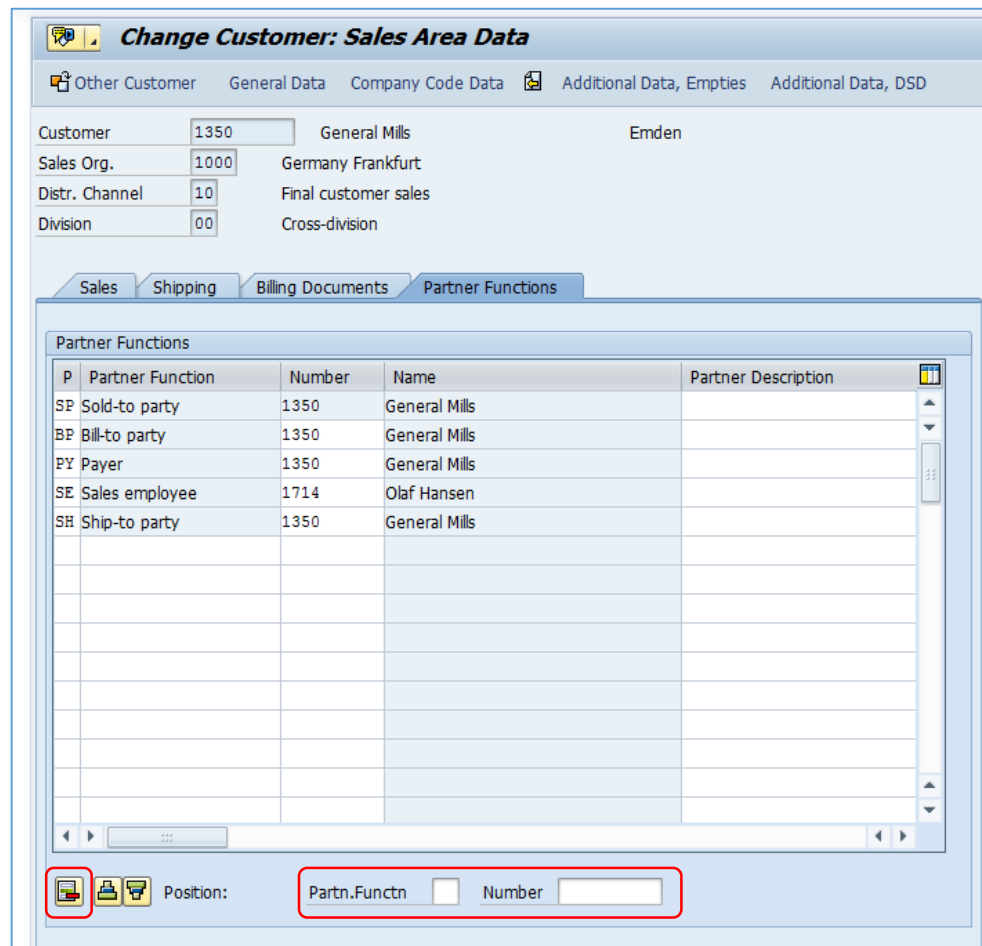
KNVP.KUNNR Customer Number 1	String 10
KNVP.VKORG Sales Organization	String 4
KNVP.VTWEG Distribution Channel	String 2
KNVP.SPART Division	String 2
TPAUM.PABEZ Partner Function	String 2

Tables & Joins

KNVP		KNA1
KNVP.KUNNR	Inner	KNA1.KUNNR
KNVP		TPAUM
KNVP.PARVW	Inner	TPAUM.PARVW
KNVP		KNA11
KNVP.KUNN2	Inner	KNA11.KUNNR

Script – Recording Tips

- Use the search
- Guaranteed empty space (Line 15)
- Separate recordings then combine OR link scripts
- GUI Scripting- if too many Partners or search is unavailable



Script - IF Condition Statements

Where

- Mapping → Expert tab

How

- Highlight rows
- Select Condition
- Select IF
 - Start/End Rows
 - Column and Operator
 - Value

Sno.	Enal	Screen	Field Description	Field Name
17	<input checked="" type="checkbox"/>	SAPMF02D-7000	Customer Master: Init...	
18	<input checked="" type="checkbox"/>		OK Code for this screen	BDC_OKCODE

If Condition Properties

Start Row: 27 End Row: 36 Else Row:

IF first transaction
 IF NOT first transaction
 IF on SAP field
 IF on Index Field
 IF to Verify Text
 IF



Select Column: D Operator: = Value: P Compare with Column

Note: Select column with text or

{BLANK}
{NOT_BLANK}
{STARTS_WITH}
{CONTAINS}
{CONTAINS_SPACE}
{ENDS_WITH}
{BETWEEN}
{FROM_TO}

Script - IF Condition Statements

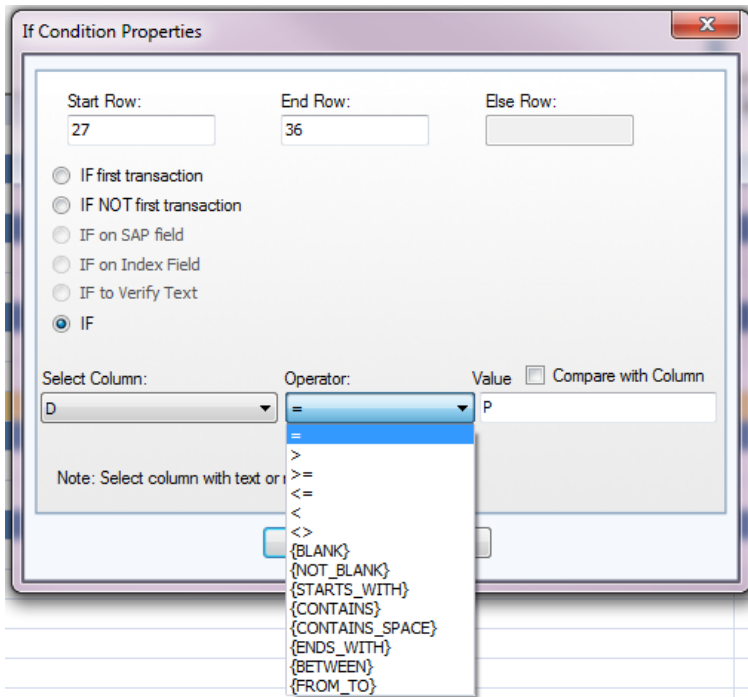
- Start and End Rows added

21	<input checked="" type="checkbox"/>					
22	<input checked="" type="checkbox"/>		SAPMF02D-7000	Customer Master: Initi...		
23	<input checked="" type="checkbox"/>			OK code for this screen	BDC_OKCODE	
24	<input checked="" type="checkbox"/>			Cursor position on the scr...	BDC_CURSOR	
25	<input checked="" type="checkbox"/>			Partner Function	KNVP-PARVW(15)	String
26	<input checked="" type="checkbox"/>			Number of an SD business...	RF02D-KTONR(15)	String
27	<input checked="" type="checkbox"/>					

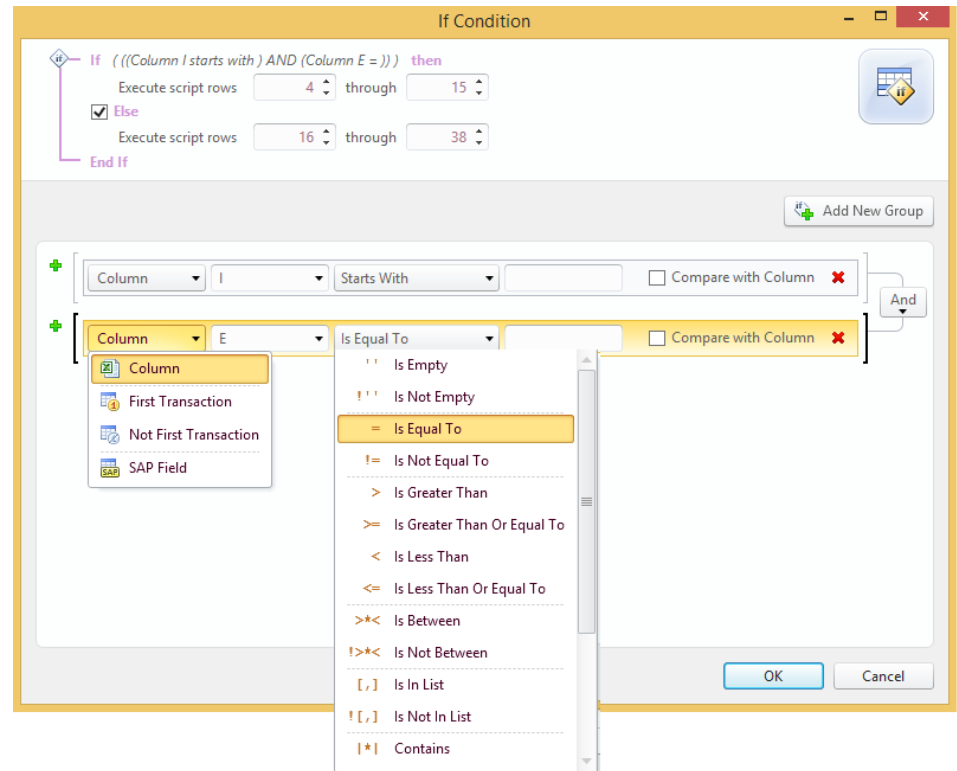
- Delete Condition by deleting a row

IF Condition – v11 Sneak Peek

Version 10.x



Version 11



Script - Manual Additions to the Mapper

How do I add it to the script?

- Expert mode
 - Copy and Paste
 - Any field is editable in the mapper (Screen, Field Name, Value, etc.)

Sno.	Enable	Screen	Field Description	Field Name	Mapping Type	Value
1	<input checked="" type="checkbox"/>		Log Column			E
2	<input checked="" type="checkbox"/>	SAPMV45A-0102	Sales Document Init.screen Change			
3	<input checked="" type="checkbox"/>		Indicates cursor position on the screen	BDC_CURSOR		VBAK-VBELN
4	<input checked="" type="checkbox"/>		OK Code for this screen	BDC_OKCODE		/00
5	<input checked="" type="checkbox"/>		Sales Document	VBAK-VBELN		A
6	<input checked="" type="checkbox"/>	SAPMV45A-4001	4.0: Screen Container for Overview Screens			

Be careful! Incorrect placement of screens/fields will cause errors in the script

2 Takeaways From This Session

1. New solution idea to add to your library
2. Incorporating IF conditions into your scripts



QUESTIONS?

