

Convergence Open Hub Destination

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General presentation

Open Hub Destination OH_CON_01

SOLVAY	IA_SOLVAY
Purchasing	IA_PUR
Purchasing Supplier Credit	IA_PUR_SC
Purchasing VBF	IA_PUR_VBF
Purchasing Sprint	IA_PUR_SPRINT
Purchasing Sprint - QM	IA_PUR_SPRINT_QM
Purchasing Sprint - SRM	IA_PUR_SPRINT_SRM
Purchasing Sprint - Value Creation	IA_PUR_SPRINT_VC
Purchasing Sprint - Schedule Line	IA_PUR_SPRINT_SCL
1 - Purchasing Sprint - Schedule Line - Master Data	IA_PUR_SPRINT_SCL_MD
5 - Purchasing Sprint - Schedule Line - Virtual	IA_PUR_SPRINT_SCL_VIRTUAL
Convergence: BW_QRY_MV_SPD01_0027	OH_CON_01
DTP: DP_OH_C1 -> OH_CON_01	DTP_B1FNYSNDTMCV5BFFBLSTSV23M
DSO for Open Hub Query BW_QRY_MV_SPD01_0027	DP_OH_C1
TRFS: BW_QRY_MV_SPD01_0027 -> DP_OH_C1	0LCGOTFED2H9Y2JYX8KV1K6Y00O1GET2
SPRINT - PUR Convergence Supplier Group Integration	BW_QRY_MV_SPD01_0027
Data Transfer Processes	DP_OH_C1
DTP: BW_QRY_MV_SPD01_0027 -> DP_OH_C1	DTP_B1FNYSNDTMCV5BFF8KS69OKSJ
TRFS: DP_OH_C1 -> OH_CON_01	0RFJADDG2U02A94ML17MA2CB48S6ZWVS
DSO for Open Hub Query BW_QRY_MV_SPD01_0027	DP_OH_C1
TRFS: BW_QRY_MV_SPD01_0027 -> DP_OH_C1	0LCGOTFED2H9Y2JYX8KV1K6Y00O1GET2
SPRINT - PUR Convergence Supplier Group Integration	BW_QRY_MV_SPD01_0027
Data Transfer Processes	DP_OH_C1
DTP: BW_QRY_MV_SPD01_0027 -> DP_OH_C1	DTP_B1FNYSNDTMCV5BFF8KS69OKSJ
SPRINT - PUR Convergence Supplier Group Integration	BW_QRY_MV_SPD01_0027

Objective of the application

This application it is used to transfer data from the query BW_QRY_MV_SPD01_0027, based on the Multiprovider MV_SPD01, to the Transaction Code AL11, into the following Path

- /exploit
- /BW
- /CONVERGENCE
- /Convergence.CSV

where WebMethod team (Support.XML@solvay.com) picks it up and transfer it to its system for data cleaning and later integration in Convergence (Salesforce).

Directory: /exploit/BW/CONVERGENCE
Name: Convergence.CSV

1024314	BERKSHIRE HATHAWAY (BURL N SANTAFE-LUBRIZOL-ROCKYMT POWER)	US	OMAHA	P027	A	CA	Critical Account	EUR	33451676.38
1155225	KAMAN CORPORATION	US	BLOOMFIELD	P055	A	RA	Regular Account	EUR	3977174.52
1213214	EXXON MOBIL CORPORATION	US	IRVING	P097	A	CA	Critical Account	EUR	92688926.07
1307602	ABBOTT LABORATORIES	US	ABBOTT PARK	P021	B	RA	Regular Account	EUR	1109499.91
1315704	E.I. DU PONT DE NEMOURS AND COMPANY (INCL DANISCO, MECS INC)			P097	C	RA	Regular Account	EUR	2962496.49

Logical Path and Logical Path Name in Transaction File

Logical path

Logical File Path	Name
Z_BW_CONVERGENCE_PATH	CONVERGENCE - Archive Path

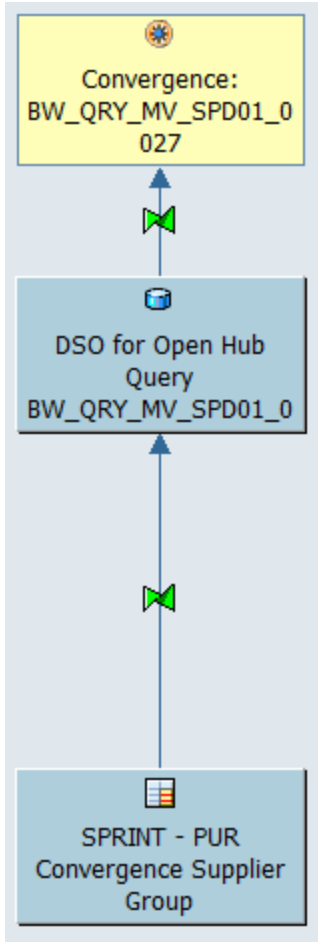
Assignment of Physical Path to Logical Path

Logical path	Z_BW_CONVERGENCE_PATH
Name	CONVERGENCE - Archive Path
Syntax group	UNIX Unix compatible
Physical path	/exploit/BW/CONVERGENCE/<FILENAME>

Logical File Name

Log. File	CONVERGENCE
Name	CONVERGENCE - Archive Path
Physical file	Convergence.CSV
Data format	ASC
Applicat.area	BW
Logical path	Z_BW_CONVERGENCE_PATH

Dataflow overview



From the query BW_QRY_MV_SPD01_0027 data are moved to ADSO DP_OH_C1 and, then, to Open Hub destination OH_CON_01.

Query

Filters of the query

Filter

Characteristic Restrictions

- [-] Source System [0LOGSYS]
 - Source System (Selection Option, Optional) [V_0LOGSYS_0001]
- [-] Calendar Month/Year [0CALMONTH]
 - Calendar Month/Year (Selection Option, Optional) [V_0CALMONTH_CR_17_M]
- [-] Country Zone (PUR) for authorization [0COUNTRY__C_PZONE]
 - Country Attribut Purch. Zone (Selection Option, Auth.) [V_AUT_0COUNTRY__C_PZONE_0001]
- [-] Country Zone (PUR) for authorization [C_ORIGCTY__C_PZONE]
 - Country Attribut Purch. Zone (Selection Option, Auth.) [V_AUT_C_ORIGCTY__C_PZONE_0001]
- [-] Vendor Zone (PUR) for authorization [C_VENDID__C_PZONE]
 - Vendor Zone (PUR) (Selection Option, Auth.) [V_AUT_C_VENDID__C_PZONE_0001]
- [-] Creditor Zone (PUR) for authorization [C_CREDID__C_PZONE]
 - Creditor Attribut Purch. Zone (Selection Option, Auth.) [V_AUT_C_CREDID__C_PZONE_0001]
- [-] Company Zone (P) [C_COMPCDE__C_PZONE]
 - Zone (PUR) (Selection Option, Optional) [V_AUT_C_COMPCDE__C_PZONE_0001]
- [-] Authorization Scope [C_COMPCDE__C_AUTHMA]
 - Auth Scope on Company Code (Selection Option, Optional) [V_C_COMPCDE__C_AUTHMA_0002]
- [-] Authorization Scope [C_PLANT__C_AUTHMA]
 - Auth Scope on Plant (Selection Option, Optional) [V_C_PLANT__C_AUTHMA_0001]
- [-] Company Scope (P) [C_COMPCDE__C_PSCOPE]
 - Removed [OUT]
- [-] Creditor Account Group [C_CREDID__0ACCNT_GRPV]
 - Vendor (int.number assgnmnt) [KRED]
 - PERS [PERS]
 - VRTR [VRTR]
 - Commissioned Agent [Z002]
 - Other third Party [Z011]
 - Employees [Z012]
 - SSOL Vendors [Z013]
 - ZSET [ZSET]
 - Agents [ZXAG]
 - CPD One-time vendor [ZZCP]
 - Personnel for expense accounts [ZZPE]
- [-] Company [C_COMPCDE]
 - Company code (Selection Option, Optional) [C_COMPCDE_01]
- [-] Plant [C_PLANT]
 - Plant (Selection Opt, Optional) [C_PLANT02]
- [-] Global Business Unit [C_SUBACT2__CPFCTR1_2]
 - Global Business Unit (Several Single Values, Optional) [SSVO_C_SUBACT2__CPFCTR1_2_0001]
- [-] Creditor Group (P) [C_CREDID__C_GRP PUR]
 - Creditor Group (P) - (Selection Option, Optional) [V_C_CREDID__C_GRP PUR_0001]
- [-] Creditor Class (P) [C_CREDID__C_VENCLS]
 - X [X]

Free Characteristics

Free Characteristics

Source System [0LOGSYS]

Rows

Rows

- Creditor Group (P) [C_CREDID__C_GRPPUR]
 - Preponderant Creditor Segment (P) [C_CREDID__C_SEGT]
 - Creditor Class (P) [C_CREDID__C_VENCLS]
 - Preponderant Creditor Nature (P) [C_CREDID__C_VND_AT1]

Conditions

Conditions

Conditions

- Top 1 Creditor Segment (P)
- Top 1 Creditor Class (P)
- Top 1 Creditor Nature (P)

Columns

Columns

- Key Figures
 - Total Invoiced Value - FI - EUR [BW_CKF_MV_SPD01_0001]

Variable in BEX, Class in Transaction SE24 and Variable in Transaction SM30

Variable in BEX

1. V_0CALMONTH_CR_17_M for the InfoObject 0CALMONTH
2. V_C_CREDID__C_GRPPUR_0001 for the InfoObject V_C_CREDID__C_GRPPUR
3. V_0LOGSYS_0001 for the InfoObject V_0LOGSYS
4. V_C_COMPCDE__C_AUTHMA_0002 for the InfoObject C_COMPCDE__C_AUTHMA
5. V_C_PLANT__C_AUTHMA_0001 for the InfoObject C_PLANT__C_AUTHMA

Class in Transaction SE24

1. ZCL_BIU001_V_0CALMONTH_CR_17_M to be linked in the below step with its variable of the above step
2. ZCL_BIU001_V_C_CREDID__C_GRPPUR to be linked in the below step with its variable of the above step
3. ZCL_BIU001_V_0LOGSYS_0001 to be linked in the below step with its variable of the above step

4. ZCL_BIU001_V_C_COMPCDE__C_AUTH to be linked in the below step with its variable of the above step
5. ZCL_BIU001_V_C_PLANT__C_AUTH to be linked in the below step with its variable of the above step

Variable in Transaction SM30 (table ZBIU001_V_VAR)

1. V_0CALMONTH_CR_17_M linked to its Class above
2. V_C_CREDID__C_GRPPUR_0001 linked to its Class above
3. V_0LOGSYS_0001 linked to its Class above
4. V_C_COMPCDE__C_AUTHMA_0002 linked to its Class above
5. V_C_PLANT__C_AUTHMA_0001 linked to its Class above

Transformations

Between the query BW_QRY_MV_SPD01_0027 and the ADSO DP_OH_C1

Mapping 1 by 1, without abap rules.

The screenshot shows the SAP Transformation Designer interface. At the top, the routine is identified as 'TFRS: BW_QRY_MV_SPD01_0027 -> DP_OH_C1'. Below this, the source table is 'Supplier Group Integration (B1F1NYSNDTMCTEQEK9H5GK3EAS)' and the target table is 'DSO for Open Hub Query BW_QRY_MV_SPD01_0027 (DP_OH_C1)'. The mapping is visualized as follows:

Source Table	Source Field	Target Table	Target Field
IV359GV96	Source System	C_GRPPUR	Group (PUR) Code
IV359GV96	Total Invoiced Value - FI - EUR	C_SEG1	Segment code
IV359GV96	Currency key[Total Invoiced Value - FI - EUR]	C_VENCLS	Class
IV359GV96	Creditor Group (P)	C_VND_AT1	Vendor Nature (P)
IV359GV96	Creditor Segment (P)	OCURRENCY	Currency key
IV359GV96	Creditor Class (P)	0AMOUNT	Amount
IV359GV96	Creditor Nature (P)		

Between the ADSO DP_OH_C1 and the Open Hub Destination OH_CON_01

In the Transformation there is a Start Routine built in order to feed Internal Tables used, then, in the Rule Details, in order to feed Master Data and Text of the Open Hub Destination

Start Routine | End Routine

1 TRFS: DP_OH_C1 -> OH_CON_01 Runtime Status Only ABAP runtime is supported

DSO for Open Hub Query BW_QRY_MV_SPD01_0027 (DP_OH_C1)

Convergence: BW_QRY_MV_SPD01_0027 (OH_CON_01)

Active

Executable Edited Version

Rule Group Rule Group Rule

Script	Data	Length
Group (PUR) Code	CHAR	000009
Document code	CHAR	000004
Group	CHAR	000001
Group for Nature (P)	CHAR	000020
Delta Process: Update Mode	CHAR	000001
Group key	CUKY	000005
Group unit	CURR	000017

Rule	Rule Name	Position	Key Field	Description	Data Type	Length
	Delete left zeros	1	CREDITOR_GROUP_M	Creditor Group	CHAR	000010
	Creditor Group Text	2	CREDITOR_GROUP_T	Creditor Group Desc	CHAR	000060
	Group Country Attr	3	CREDITOR_COUN_M	Creditor Country	CHAR	000003
	Group City Attr	4	CREDITOR_CITY_M	Creditor City	CHAR	000035
	CREDITOR_SEG_M	5	CREDITOR_SEG_M	Creditor Segment	CHAR	000004
	CREDITOR_CLASS_M	6	CREDITOR_CLASS_M	Creditor Class	CHAR	000001
	CREDITOR_NATU_M	7	CREDITOR_NATU_M	Creditor Nature	CHAR	000020
	Creditor Nature Text	8	CREDITOR_NATU_T	Creditor Nature Desc	CHAR	000040
	CURRENCY	9	CURRENCY	Currency	CUKY	000005
	AMOUNT	10	AMOUNT	Total Invoiced Value	CURR	000031

ADSO

The ADSO DP_OH_C1 has been created in order to manage the preponderant

- Creditor Segment (P)
- Creditor Class (P)
- Creditor Nature (P)

that at query level have been managed through the three Conditions seven points above, but that in the Open Hub are not transferred, therefore, they are managed through the below abap code built in the Transformation between the ADSO DP_OH_C1 and the Open Hub Destination OH_CON_01.

```
*Sort in order to have in the top the biggest Amount for each Creditor
*Group (it needs for the step below)
Sort SOURCE_PACKAGE By /BIC/C_GRPUR
                        AMOUNT
                        Descending.

*Load only the Preponderant Amount for each Creditor Group (delete the
*rest of the records)
Delete Adjacent Duplicates From SOURCE_PACKAGE
                        Comparing /BIC/C_GRPUR.
* END IT91180 - UC 4000019231 - 20/09/2019
```

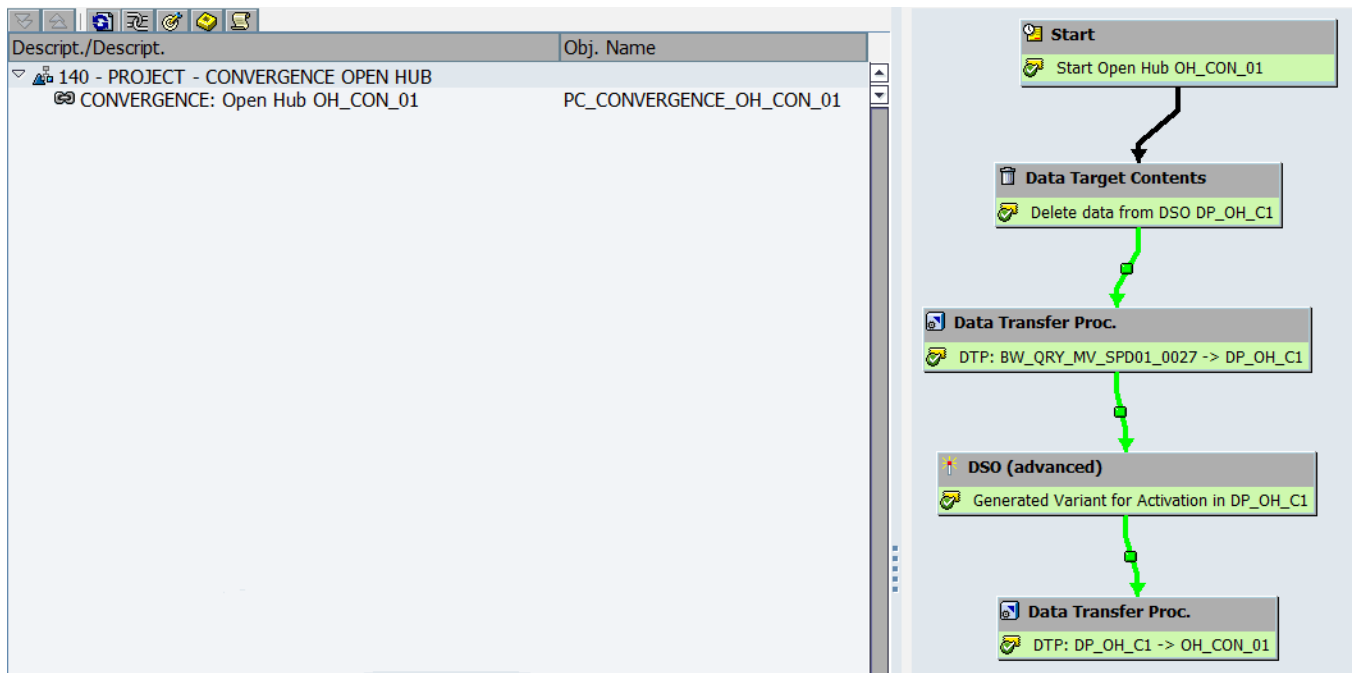
Global Filter

The below Rules in the Global Filter (C_GLBFLT) are used to feed the variables created in the Query Designer (V_C_COMPCDE__C_AUTHMA_0002, V_C_PLANT__C_AUTHMA_0001, V_C_CREDID__C_GRPUR_0001, V_0LOGSYS_0001).

Stream	Rule	Counter	V	C...	Global Filter Descri	Sign	Option	Low	Hight	Active
SPRINT	CONV_AU_CC	001	A		Convergence Authorization Company	I	EQ		Not assigned	Y
SPRINT	CONV_AU_CC	002	A		Convergence Authorization Company	I	EQ	SOLVAY	Solvay	Y
SPRINT	CONV_AU_CC	003	A		Convergence Authorization Company	I	EQ	BUTACHIMIE	Butachimie	Y
SPRINT	CONV_AU_PL	001	A		Convergence Authorization Plant	I	EQ		Not assigned	Y
SPRINT	CONV_AU_PL	002	A		Convergence Authorization Plant	I	EQ	SOLVAY	Solvay	Y
SPRINT	CONV_AU_PL	003	A		Convergence Authorization Plant	I	EQ	BUTACHIMIE	Butachimie	Y
SPRINT	CONV_CR_GR	001	A		Convergence Creditor Group (P)	I	EQ		Not assigned	Y
SPRINT	CONV_SYST	001	A		Convergence Source System	I	EQ	PE1_300	CYTEC/SAP PE1_300	Y
SPRINT	CONV_SYST	002	A		Convergence Source System	I	EQ	BRP	CYTEC/BRP	Y
SPRINT	CONV_SYST	003	A		Convergence Source System	I	EQ	BAAN	CYTEC/BAAN	Y
SPRINT	CONV_SYST	004	A		Convergence Source System	I	EQ	INFI	CYTEC/INFI	Y
SPRINT	CONV_SYST	005	A		Convergence Source System	I	EQ	PF1_020	SOLVAY/SAP PF1_020	Y
SPRINT	CONV_SYST	006	A		Convergence Source System	I	EQ	WP1_400	SOLVAY/SAP WP1_400	Y

Process Chain

PC_CONVERGENCE_OH_CON_01 - CONVERGENCE: Open Hub OH_CON_01



Loading

Weekly, on Monday at 6:30 AM CET.

Maintenance

In case of issue create a Freshdesk ticket.

Known bugs

No

Recurring procedure

This Open Hub transfers data (File Convergence.CSV) to the Transaction Code AL11, into the Path "/exploit/BW/CONVERGENCE" each Monday at 6:30 AM CET.

Planned Evolution

No