



[Content Based Split From ThirdPartySftp To ThirdPartySftp]

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DOCUMENT CONTROL

Owner	Client contact	Status	Date issued
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Version	Description of change	Date	Author
1.0	Initial version	10.03.2020	Oleg Veliks

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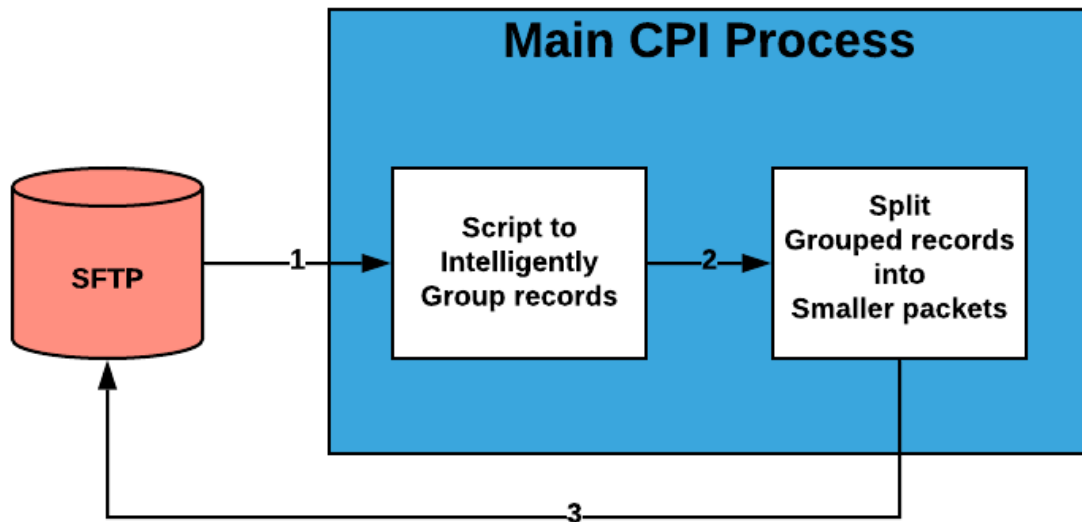
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1 PURPOSE

The purpose of this document is to describe the general configuration steps that are required to split Interactions files with type Orders before loading to SAP Marketing Cloud. This Integration flow is used to group orders by customer ID & split order files of 1 Million records into 100K files without splitting the customer orders between two different 100k files i.e. if the legacy source system 1 million file has 101,000th record with same customer and order number as 100,000th record then file is split at 101k record instead of 100,000k record.

If the file is not split to ensure that the all items of the same order number are in one file then SAP Marketing Cloud system creates two interactions for the same order and splits the order items between 2 interactions i.e. an order in legacy source system will have 2 order interactions in SAP C/4 Marketing Cloud System.

2 OVERVIEW



Step 1. Order files of 1 million records are placed in AWS S3 buckets via SFTP.

Step 2. CPI splits the file into 100k records each without splitting the customer orders between multiple 100k files i.e. if the source 1 million file has 101,000th record with same customer and order number as 100,000th record then file is split at 101k record instead of 100,000k record..

Step 3. CPI saves 100k files into SFTP folder without splitting the orders of the same customer between multiple 100k files and the preserves the legacy source file name.

3 PRE-REQUISITES

Before configuring Integration Flow, please make sure the following prerequisites have been met:

1. The SAP HANA Cloud Platform Integration has been delivered.

a. SAP HANA Cloud Platform Integration -

<https://www.sap.com/products/hana-cloud-integration.html>

<https://cloudplatform.sap.com/index.html>

2. Amazon Web Services account is enabled. S3 bucket is created and SFTP Transfer server is up and running. S3 bucket is a root directory of SFTP.

3. SFTP server is configured and connectivity between SAP CPI tenant and SFTP is established.

SFTP user having permissions to create and update folders and files.

4. AWS S3 1million files are sorted by Customer Number Order Number and Customer Number should be the first column of the file.

4 INTEGRATION FLOW CONFIGURATION

4.1 Configuration Parameters

Externalized Parameter Name	Description	Sample Value
Sender (Directory)	Root SFTP directory. A source directory of SFTP server.	DevelopmentLoads/LoadFiles/Interactions/Orders/BeforeSplit_DS
Sender (FileName)	Source File Name on SFTP server. A file from where to load data.	Orders_Split.csv
Sender (Address)	SFTP server host name.	xxx.server.transfer.eu-west-2.amazonaws.com
Sender (User Name)	SFTP User Name. SFTP user which has access to SFTP directories.	CPI_USER_PROD
Sender (Timeout)	Maximum waiting time to contact the FTP server while establishing connection or performing a read operation.	10000
Sender (Maximum Reconnect Attempts)	Maximum reconnect attempts allowed to reconnect.	10
Sender (Reconnect Delay in ms)	Time period to wait before attempting to reconnect to the remote FTP server.	1000
Sender Processing (Lock Timeout)	How long to wait before	20

	trying to process the file again.	
Sender (Change Directories Stepwise)	Changes directory levels one at a time	true
Sender (Post-Processing)	Controls which actions should be done after file processing.	Move File
Sender (Buffer size)	Write the file content using the mentioned buffer size.	128
Sender (Max. Messages per Poll)	Maximum number of messages to gather for each poll.	100
Receiver (Address)	Host name or IP address and port of the SFTP server.	xxx.server.transfer.eu-west-2.amazonaws.com
Receiver (User Name)	ID of the user performing file transfer.	CPI_USER_PROD
Receiver (Timeout)	Maximum waiting time to contact the FTP server while establishing connection or performing a read operation.	10000
Receiver (Maximum Reconnect Attempts)	Maximum reconnect attempts allowed to reconnect.	3
Receiver (Reconnect Delay (in ms))	Time period to wait before attempting to reconnect to	1000

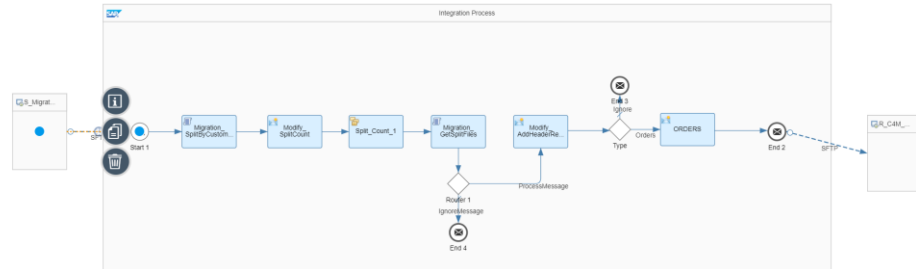
	the remote FTP server.	
Receiver (Create Directories)	Automatically creates missing directory levels.	true
Receiver (Handling for Existing Files)	If file already exist.	Fail
More (Splitter Grouping)	Specify the group size into which the composite message should be split.	1
More (Splitter Xpath Expression)	Xpath expression to navigate to the split item using absolute path.	//properties

5 STEPS FOR TESTING THE IFLOW

Step 1. Configure and deploy iflow.

Content Based Split Iflow Components:

Content Based Split From ThirdPartySftp To ThirdPartySftp



Step 2. Login to AWS and Upload Orders file into Source folder

Remote site: /sftp2smc/DevelopmentLoads/LoadFiles/Interactions/Orders/BeforeSplit_DS

- ProductionLoads
- BeforeSplit_DS
- Archive
- Reconciliation
- Interactions
 - Orders
 - AfterSplit
 - BeforeSplit_DS
 - Others

Filename

- ..
- Orders_Split.csv

Step 3. Make sure iflow has been executed successfully.

Status of message is successful.

Content Based Split From ThirdPartySftp To ThirdPartySftp Last Updated at: Feb 14, 2020, 19:01:07

[Status](#) [Properties](#) [Logs](#)

Message processing completed successfully.

Processing Time: 3 sec 333 ms

Properties

Message ID: AF5GoRhJSSHKQlGc4dWkQ2-ol737
 Correlation ID: AF5GoRhR1C11pRaCt8ACm5i8tEHA

Artifact Name: [Content Based Split From ThirdPartySftp To ThirdPartySftp](#)
 Artifact ID: Content_Based_Split_From_ThirdPartySftp_To_ThirdPartySftp
 Artifact Type: Integration Flow

Step 4. Make sure all steps were performed and there are no errors in between. This can be done by increasing log level to debug.

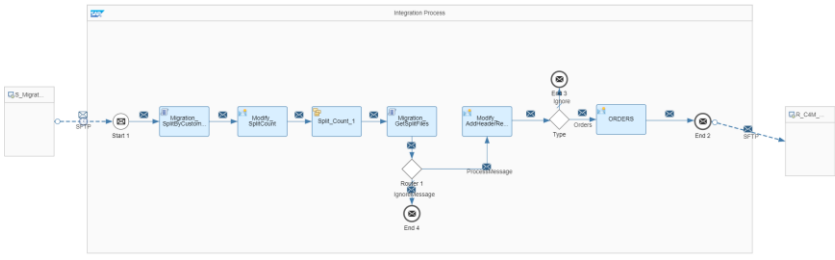
Overview / Monitor Message Processing / Message Processing Run

Run Steps (60) Integration Flow Model Log Content Message Content

« < 1 / 1 > »

No integration flow element selected

End 4	Segment 14	5 ms
Router 1	Segment 14	11 ms
Migration_GetSplitFiles	Segment 14	5 ms
Split_Count_1	Segment 14	
End 4	Segment 13	5 ms
Router 1	Segment 13	10 ms
Migration_GetSplitFiles	Segment 13	6 ms



Step 5. Review results by navigating to SFTP folder. Split files in target folder:

Remote site: /sftp2smc/DevelopmentLoads/LoadFiles/Interactions/Orders/AfterSplit

- ProductionLoads
- BeforeSplit_DS
 - Archive
 - Reconciliation
- Interactions
 - Orders
 - AfterSplit
 - BeforeSplit_DS
 - Others

Filename

- ..
- Orders_Split_1.csv
- Orders_Split_0.csv
- Current