

03.03.16 IDD: SAP AFS - Sales information export integration

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Documentation	
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1. Purpose

The aim of this document is to define sales information export integration between Hybris and SAP AFS.

2. Overview

This integration consists of orders and returns information export.

The integration is file based and uses Hot Folder Strategy. The files are exchanged over SFTP.

All messages are in CSV format.

This is uni-directional integration, the messages are published by Hybris and consumed by SAP AFS.

Gift card products as well as NExU products are excluded from the export.

2.1. Triggered by

salesInfoExportCronJob cron job generates the files.

It runs at 5th minute of each hour and exports orders which were shipped and returns which were received during previous hour.

It will generate the following files:

- orders sale information for the US store
- returns sale information for the US store
- orders sale information for the Canada store
- returns sale information for the Canada store

Every file contains no more that 200 lines.

If there were found more that 200 records to be exported then several files will be generated.

Order entries from the order as well as return entries from the same return request can be split between multiple files.

If there are no records found for a certain file that file will not be generate.

If the same SKU belongs to multiple orders or returns, then there will be multiple lines with that sku in the generated file.

3. Orders sales information export

Hybris sends sales information to create sales orders in SAP

Generated CSV files are batch files with multiple lines, one line per qualifying order entry

Files will be placed under `hybris\data\salesInfo\orders\`

File name pattern `ordersSalesInfo_<Country_Isocode>_<YYYYMMDDHHMMSSss>.csv`

Example: [ordersSalesInfo_US_20170727140545234.csv](#)

3.1. Preconditions

Entries from the orders where `order.consignment` is not null

Order was shipped during previous hour.

For example, if it is 10:15am now, then all orders with `Order.consignment.shippingDate` between 9:00 and 10:00 are exported

3.2. CSV file structure

#	Column name	Column type	Hybris property	Value mandatory	Hybris type	Description
1	Order type	string	-	Yes	String	Constant value "ZJRF"
2	Order country	string	<code>Order.deliveryAddress.country.isocodeShort</code>	Yes	String	Delivery address country "US" or "CA"
3	PO	string	-	Yes	String	Constant value "Ecom"
4	RDD	date(MM/dd/yyyy)	<code>Order.consignment.shippingDate</code>	Yes	<code>java.util.Date</code>	Order shipped date - 6/26/2017
5	UPC	string	<code>Order.entries(i).product.code</code>	Yes	String	Product variant code - "195504696207"
6	Quantity	numeric	<code>Order.entries(i).quantity</code>	Yes	Long	Order line quantity

4. Returns sales information export

Hybris sends sales information about returns to SAP

Generated CSV file is a batch file with multiple lines, one line per qualifying return request entry

Files will be placed under `hybris\data\salesInfo\returns\`

File name pattern `ReturnordersSalesInfo_<Country_Isocode>_<YYYYMMDDHHMMSSss>.csv`

Example: [ReturnordersSalesInfo_US_20170727140545234.csv](#)

4.1. Preconditions

All return entries with status `ReturnStatus.RECEIVED`

`ReturnRequest` was received during previous hour

For example, if it is 10:15am now, then all return requests with `ReturnRequest.returnEntries(i).reachedDate` between 9:00 and 10:00

If `ReturnRequest` entries were received at different times and `ReturnRequest.returnEntries(i).reachedDate` has different values for different entries, then the latest date is used.

4.2. CSV file structure

#	Column name	Column type	Hybris property	Value mandatory	Hybris type	Description
1	Order type	string	-	Yes	String	Constant value "ZJRR"
2	Order country	string	ReturnRequest.order.deliveryAddress.country.isocodeShort	Yes	String	Delivery address country "US" or "CA"
3	PO	string	-	Yes	String	Constant value "Ecom Return"
4	RDD	date(MM/dd/yyyy)	ReturnRequest.returnEntries(i).reachedDate	Yes	java.util.Date	Return received date - 6/26/2017
5	UPC	string	ReturnRequest.returnEntries(i).orderEntry.product.code	Yes	String	Product variant code - "195504696207"
6	Quantity	numeric	ReturnRequest.returnEntries(i).receivedQuantity	Yes	Long	Received item quantity