Rollup Example

A example scenario can illustrate how rollup transactions can be created given common rollup settings.

> The transactions in this example are simplified to illustrate the rollup logic. Real-world transactions contain more fields, and rollup transactions will typically summarize dozens – if not hundreds – of individual register transactions.

a) Example Settings

Assume the following settings:

- Filters: Marketing Customers
- Group By: no options selected (use default grouping of payment method, store and tax schedule)
- Limit: Transaction Age of 1 day

b) Example Register Transactions

Transaction # 100

ID	Date	Customer	Cust Type	Payment	Store
100	May 1 1:20 PM	1000	Marketing	CASH	STORE1

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM
1	FOOD1		$1.50	2	$3.00	EACH
2	FOOD2		$2.00	1	$2.00	EACH
3	FOOD3	123	$1.00	1	$1.00	EACH

Transaction # 101

ID	Date	Customer	Cust Type	Payment	Store
101	May 1 5:30 PM	9001	Marketing	CASH	STORE1

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM
1	FOOD1		$1.50	1	$1.50	EACH
2	FOOD1		$5.00	1	$5.00	CASE
3	FOOD3	123	$1.00	1	$1.00	EACH
4	FOOD3	546	$1.00	1	$1.00	EACH

Transaction # 200

ID	Date	Customer	Cust Type	Payment	Store
202	May 1 4:18 PM	9005	Marketing	VISA	STORE2

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM
1	FOOD1		$1.50	2	$3.00	EACH

Transaction # 103

ID	Date	Customer	Cust Type	Payment	Store
103	May 1 6:30 PM	9017	Accounting	CASH	STORE1

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM
1	FOOD3	123	$1.00	1	$1.00	EACH

Transaction # 104

ID	Date	Customer	Cust Type	Payment	Store
104	May 1 7:15 PM	9001	Marketing	CASH	STORE1

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM
1	FOOD1		$1.50	1	$1.50	EACH

Transaction # 105

ID	Date	Customer	Cust Type	Payment	Store
105	May 2 10:15 AM	9001	Marketing	CASH	STORE1

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM
1	FOOD2		$1.00	1	$1.00	EACH

c) ASI Transactions

From the above examples, the rollup task ignores Transaction 103 because it was created for an accounting customer. The Kensium ASI will process the transaction instead, and send it directly to the ERP.

d) Resulting Rollup Transactions

In total, the rollup task will create three rollup transactions from the example source transactions that are defined above.

Rollup # 1

ID	Date	Payment	Store
1	May 1 7:15 PM	CASH	STORE1

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM	References
1	FOOD1		$1.50	4	$6.00	EACH	100-1, 101-1, 104-1
2	FOOD2		$2.00	1	$2.00	EACH	100-2
3	FOOD3	123	$1.00	2	$2.00	EACH	100-3, 101-3

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM	References
4	FOOD1		$5.00	1	$5.00	CASE	101-2
5	FOOD3	546	$1.00	1	$1.00	EACH	101-4

This rollup transaction can summarize multiple transactions because the group by criteria are the same (e.g. payment method and store) and the time period limit is the same.

Note how individual line items are merged. In our example, the distinct combination of SKU, lot number and UOM each require their own line item.

Rollup # 2

ID	Date	Payment	Store
2	May 1 4:18 PM	VISA	STORE2

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM	References
1	FOOD1		$1.50	2	$3.00	EACH	200-1

While the source transaction #200 falls on the same time period (limit) as the other transactions, a separate rollup must be created because of the following group by criteria are different for this transaction:

- Payment method is different
- Store is different

Rollup # 3

ID	Date	Payment	Store
1	May 2 10:15 AM	CASH	STORE1

#	SKU	Lot	Unit Price	Qty	Ext Price	UOM	References
1	FOOD2		$1.00	1	$1.00	EACH	105-1

While the grouping criteria for transaction # 105 matches several other transactions, the rollup task

would send Rollup #1 to the ERP because the time period limit of 1 day has been reached. Transaction #105 is recorded in a new rollup transaction.