QNE SOFTWARE SDN. BHD. (611852-V)

QNE OPTIMUM KNOWLEDGE BASE

Title: How to Post Cash Sales with Multiple Payment function

User Scenario: When customer has 2-3 types of payment in one single cash sales transaction.

Who should read this document: IT Manager or Senior Developer

Developer requirement:
Familiar with http request and RESTful API.

Requisition :

- ✓ Optimum database code (provided by QNE)

- ✓ Optimum Login user name and password (provided by registered company)

- ✓ Database is upgraded to the latest

- ✓ Access Optimum APIV2 UI via https://dev-api.qne.cloud

Integration Steps:

Step1: Configure posting accounts for different payment method

Step2: Post cash sales transaction with details to Optimum via API

Step1: Configure posting accounts for different payment method

The most commonly used payment methods are cash, debit card, credit card.

Before we can post the transaction, we need to know what account code to use for each payment method. To find out what are the account codes, follow these steps:

    a) Login to optimum from this URL https://www.qne.cloud/

        In our example, we will use the Testing database

- Database code : TEST
- Username : Admin
- Password : <leave it empty>

b) Navigate to Chart of Accounts > Current Assets > CASH / BANK ACCOUNT

* Note: Different database may have different account name and account code

In this example, our cash account code is **700-0400,** Maybank account code **700-0310,** assume credit card payment will be received with Public Bank Berhad **700-0320.** Save these account codes into your database for later use. We will need to use these settings when generate the multi-payment transactions.

* You may want to provide an interface for your system user to fill up this account code and store it in your system. Example : Create a form for your end-users to fill up the account codes.

Step2: Post cash sales transaction with details to Optimum via API

Our API is using RETful design, you will need to issue a HTTP request to the target server with json format body. For C# programmer, you can use a third party library "RestSharp" to issue HTTP request.

Endpoint: POST https://dev-api.qne.cloud/api/CashSales

Transaction Example:
Walk-in customer purchased 2 unit(s) of product "ITEM-001", unit price is RM100, total amount is RM200. Received the following payment amount from customer: Cash RM100, debit card paid RM50, credit card paid RM50.

C# Code Example:

```
        var client = new RestClient("https://dev-api.qne.cloud");
            var request = new RestRequest("api/CashSales");
            request.AddHeader("DbCode", "TEST");
            var body = @"{
    cashSalesDate: '2018-08-24',
    currency: 'RM',
    useMultiPayment: true,
    multiPayments: [
      {
       depositTo: '700-0400',
       description: 'PAYMENT BY CASH',
       amount: 50
      },
      {
       depositTo: '700-0310',
       description: 'PAYMENT BY DEBIT CARD',
       amount: 50
      },
            {
       depositTo: '700-0320',
       description: 'PAYMENT BY CREDIT CARD',
       amount: 100
      }
    ],
    details: [
      {
       stock: 'ITEM-001',
       description: 'ITEM 001',
       qty: 2,
       uom: 'UNIT(S)',
       unitPrice: 100,
       taxCode: null
```

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```
    }
  ]
}";
        request.AddParameter("application/json", body, ParameterType.RequestBody);
        var resp = client.Post(request);
```

* Note : **UseMultipayment** field is required to set it to "**true**" for multi-payment transactions. The default value is false.

Verify Your result

Login to https://www.qne.cloud, you should be able to see the following transaction

a) Cash Sales Header

Cash Sales
CS00033

| Details | Customer | DO Address | Others | Notes | Files | Info |

DOC DATE
24/08/2018

CURRENCY
RM

CUSTOMER
N/A

TO

DEPOSIT TO
N/A

BANK CHARGES
0.00

TERM
C.O.D.

C. SALES NO.
CS00033

RATE
1.00000000

AGENT
CINDY

ATTENTION

CHEQUE NO.

REFERENCE NO.

LOCATION
N/A

b) Details item

#	STOCK CODE	DESCRIPTION	QTY	UOM	UNIT PRICE	DISC	AMOUNT	TAX CODE	TAX
	ITEM-001	ITEM 001	2.00	UNIT(S)	100.00		200.00		0.00
							Sum = 200		Sum = 0

TAXABLE	TAX	DUE AMOUNT
200.00	0.00	200.00

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c) Multi-Payments item

	DEPOSIT TO	ACCOUNT NAME	DESCRIPTION	REFERENCE NO	AMOUNT	BANK CHARGES
☐	700-0310: MAYBANK	MAYBANK	PAYMENT BY DEBIT CARD		50.00	0.00
☐	700-0320: PUBLIC BANK BERHAD	PUBLIC BANK BERHAD	PAYMENT BY CREDIT CARD		100.00	0.00
☐	700-0400: CASH IN HAND	CASH IN HAND	PAYMENT BY CASH		50.00	0.00

Sum = 200

PAGE SIZE 20

d) Cash Sales Posting item

GLTransaction

	DATE	ACCOUNT #	ACCOUNT NAME	DESCRIPTION	DOC #	REFERENCE NO	DEBIT	CREDIT
☐	24/08/2018	100-0200	SALES - HARDWARE		CS000001			100.00
☐	24/08/2018	700-0400	CASH IN HAND		CS000001		50.00	
☐	24/08/2018	700-0310	MAYBANK		CS000001		50.00	

Sum=100 Sum=100