

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 <u>https://dev-api.qne.cloud</u>

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 <u>https://www.qne.cloud/</u>

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

DASHBOARD	Chart of Accounts											
GENERAL LEDGER	C 🖯	Print Export 👻										
Chart of Accounts	De	escription	Account Code	Currency Code	SACode	Input Tax	Output Tax					
Assets And Depreciation	► IN	COMES	INC		NONE							
Journal Entries	► SA	ALES ADJUSTMENT	INA		NONE							
Receipt Vouchers		SS: COST OF SALES	COG		NONE							
Payment Voucners			OTI		NONE							
Stock Value Maintenance			EVD		NONE							
Monthly Budget			EAP		NONE							
Opening Balance		SS: TAXATION	TAX		NONE							
Bank Recon OB	► AI	DD: EXTRA ORDINARY INCOME	EOI		NONE NONE NONE							
Payment/Beceint Info	► AI	DD: EXTRA ORDINARY EXPENSES	EOE									
	A	PPROPRIATION ACCOUNT	APP									
CUSTOMER	FD FD	XED ASSETS	BFA		NONE							
SUPPLIER	+ 🗌 IN	ITANGIBLE ASSETS	BIA		NONE							
SALES	- CI	JRRENT ASSETS	BCA		NONE							
PURCHASES		TRADE DEBTORS	700-0000	RM	Debtors Control Account							
STOCKS	-	CASH AT BANK	700-0300	RM	Bank Account							
ADVANCE CURRENCY		MAYBANK	700-0310	RM	Bank Account							
BILLING APPROVAL		PUBLIC BANK BERHAD	700-0320	RM	Bank Account							
GST		US BANK	700-2000	USD	Bank Account							
INQUIRY		CASH IN HAND	700-0400	RM	Cash Account							
MAINTENANCE		DEBTOR CONTROL FOREIGN EXCHANGE	700-0500	RM	NONE							

* 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.

PosSettingsForm	
Cash Account Code:	700-0400
Bank Account Code:	700-0310
Credit Card Account Code:	700-0320
	Save Settings
	li



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 "TTEM-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: [
  ł
   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
```



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						
• • • • • •		1ark As 🔻	Resave	Post To Customer	KIV Recalculate	•••
Details Customer DO Ad	ddress Others	Notes File	s Info			
DOC DATE 24/08/2018 CURRENCY					C. SALES NO. CS00033 RATE	
RM customer N/A					1.0000000 AGENT <u>CINDY</u>	
to deposit to N/A					ATTENTION CHEQUE NO.	
BANK CHARGES 0.00 TERM					REFERENCE NO. LOCATION	
<u>C.O.D.</u>					D/A	

b) Details item

Details Multi-Payments																
Aa Scan Item Ba Scan Item Audit Trail Price Rule Export													-			
#	Y	STOCK CODE	Y	DESCRIPTION Y	QTY	Y	UOM	Y	UNIT PRICE	Y	DISC Y	AMOUNT	Y	TAX CODE	TAX	Y
		ITEM-001		ITEM 001		2.00	UNIT(S)			100.00			200.00			0.00
	Sum=200 Sum											Sum=0				
PAGE SIZE 20 -												*				
TAXABLE TAX 200.00 0.00											DUE AMO 200.00	UNT				



c) Multi-Payments item

Details	Multi-Payments												
V	Jse Multi Payment												
											,	Audit Trail	Export 🝷
	DEPOSIT TO		Y	ACCOUNT NAME	Y	DESCRIPTION	Y	REFERENCE NO	Y	AMOUNT	Y	BANK CHARGES	Y
	700-0310: MAYBANK	<		MAYBANK		PAYMENT BY DEBIT CARD					50.00		0.00
	700-0320: PUBLIC B/	ANK BERHAD		PUBLIC BANK BERHAD		PAYMENT BY CREDIT CARD					100.00		0.00
	700-0400: CASH IN H	HAND		CASH IN HAND		PAYMENT BY CASH					50.00		0.00
										S	um = 200		
<												PAGE SIZE	20 -

d) Cash Sales Posting item

GLTransaction										Text to search					
	DATE T	ACCOUNT #	7	ACCOUNT NAME	Y	DESCRIPTION	Y	DOC #	Y	REFERENCE NO	Y	DEBIT	Y	CREDIT	Y
	24/08/2018	100-0200	1	SALES - HARDWA	SALES - HARDWARE			CS000001				0.011	u	10	.0.00
	24/08/2018	700-0400	700-0400 CASH IN HAND				CS0000	01		50.00					
	24/08/2018	700-0310		MAYBANK				CS000001		001		50.00			
												Sum	=100	Sum=	=100