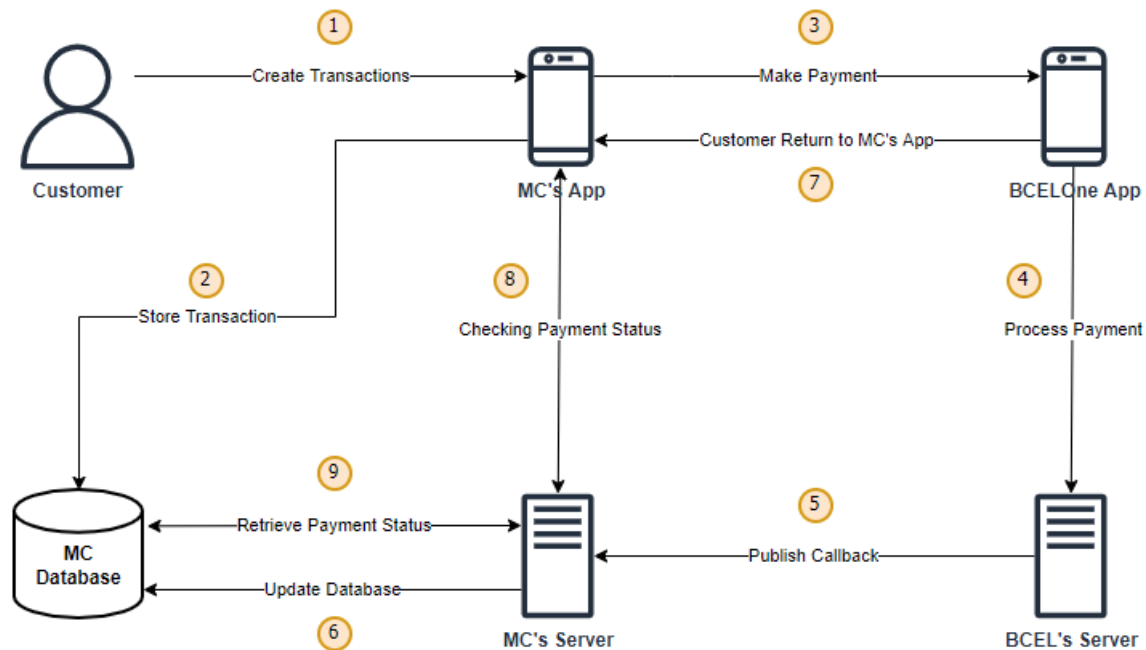


# **OnePay Integration Guide**

(Ver 0.0.1)

# Applink Transaction Flow



1. Customers create a transaction in the merchant app.
2. Merchant app stores the transaction data into the database.
3. Customers click the pay button that integrated with Applink (Deeplink) then BCELOne app will open automatically.
4. BCELOne app process the payment.
5. BCEL's Server publish the payment callback data to the merchant's server via [PubNub](#) (in case of payment success only).
6. The merchant's server handle the payment callback and update the transaction status in the database.
7. Customer return to the merchant app by click Done button then BCELOne app will close automatically.
8. On the resume state of the iOS/Android in merchant app, need to make a request to check the payment status in their own server or subscribe [PubNub](#) to listen the callback to update the UI.
9. The merchant's server retrieve the payment status and return to the app.

## Test Merchant Data (Provide by Bank)

Field	Name	Value (Test Merchant)	Description
mcid	Merchant ID	mch5c2f0404102fb	
mcc	Merchant Category Code	5732	
shopcode	Shop Code	12345678	Use for generate the subscribe channel to get the payment callback
ccy	Currency	418	Currency of merchant, supported only <b>LAK</b>
country	Country	LA	Country of merchant
province	Province	VTE	Province of merchant

# QR Code Generate & Payment

1. Import onepay.js file.  
`<script src="onepay.js"></script>`
2. initial OnePay.  
`var onePay = new OnePay(mcid);`
3. Generate the QR by call the function `"getCode()"` with required parameters.
4. Display the QR string as image for scanning payment.
5. If you would like to make a pay by Applink, put the QR string into the link with the URI `"onepay://qr/"`, Please note that if you integrated in the webview you need to open the link by native.

## Example Code:

```
var onePay = new OnePay(mcid);

onePay.getCode({ // generate the QR

    transactionid: '123' //define as unique key

    invoiceid: '123', //invoice id can pay more than one time or have many transactions id

    terminalid: 'T001', //terminal id (in case have many terminals, POS devices or etc...)

    amount: 1, //invoice amount

    description: 'Test', //must define as English text 100 chars

    expiretime: 15, //expiry time must be in minutes

}, function (code) { // QR string callback

    // display the QR string as image for scanning payment

    $('#qr-code').attr('src', 'https://chart.googleapis.com/chart?chs=250x250&cht=qr&chl=' +
code + '&choe=UTF-8');

    // put the QR string into the link with the URI 'onepay://qr/' for Applink (Deeplink)
    payment, Please note that if you integrated in the webview you need to open the link by native

    $('#one-click-pay').attr('href', 'onepay://qr/' + code)

})
```

## Example QR String:

00020101021133560004BCEL0106ONEPAY0216mch5c2f0404102fb0314202204111409485303418540115803VTE6002LA624501031230514VIXAR1231231230708VIXAR0010804Test6304B75D

# Callback Subscription

We have 2 levels of callback subscription and callback data will be alive in 1hr, if you lost callback receiving you can reconnect [PubNub](#) and re-subscribe to get the previous callback data in 1hr.

**Level 1: Merchant Level**, this level should be subscribed in the merchant's server to listening all of callback data of the merchant id to handle and update the payment status in the database. Chanel id must be defined as "mcid-" + mcid + shopcode, **Example:** "mcid- mch5c2f0404102fb-12345678"

**Level 2: Transaction Level**, this level should be subscribed in the UI (front-end) to listen to the transaction callback data to handle and update the UI. Chanel id must be defined as "uuid-" + mcid + uuid, **Example:** "uuid- mch5c2f0404102fb- 123"

## Example Code:

```
var subParams = {  
    uuid: '123', //specified uuid if would like to receive callback data level 2  
    shopcode: null, //specified shopcode if would like to receive callback data level 1  
};  
onePay.subscribe(subParams, function (res) {  
    if (res.uuid === uuid) {  
        console.log("PAID SUCCESSFUL")  
    }  
});
```

**Example Callback Data:**

```
{
  "id": 31444569,
  "mcid": "mch5c2f0404102fb",
  "tid": "VIXAR001",
  "iid": "123",
  "uuid": "VIXAR123123124",
  "txtime": "11/04/2022 15:13:16",
  "amount": 1,
  "ccy": "LAK",
  "merchantname": "OnePay Test Merchant",
  "name": "Vixar Vorlavong",
  "phone": "55090757",
  "itemname": null,
  "description": "Test",
  "ticket": "VCPQRZHDAHV7",
  "fccref": "202204112224070"
}
```