



12/12/2019

Multi-Checkout Integration Guide

All-in-one Payment Solution



MyanPay Secure E-commerce System
MYANPAY

Document History

Date	Version	By	Remarks
15-6-2016	2.0	MyanPay Developer	First Version
12-2-2019	3.0	MyanPay Developer	Second Version

MultiCheckout Integration From Web

Payment Function

Payment function allows merchant to send its Payment Details Info and Multiple Checkout Info in a request to MyanPay Payment Gateway. We described PDI as short term of PaymentDetailsInfo and MC as short term of MultipleCheckoutInfo.

Payment Gateway Request

Field Name	Data Type	Description	Mandatory
PDI	Array	Array which contains one or more (ItemName,, ItemAmt, ItemNumber, ItemQty)	Yes
MC	String	String value of (APISignature, InvoiceNo, PaymentAmount, returnUrl, PostUrl)	Yes

Sample Data of PDI

Name	Description	Length (Min-Max)
ItemName	Checkout item name in shopping cart	1-200
ItemNumber	Checkout item number in shopping cart	1-50
ItemAmt	Checkout item amount in shopping cart	1-50
ItemQuantity	Checkout item quantity in shopping cart	1-50

Sample Data of MC

Name	Value	Length (Min-Max)	Remark
APISignature	Unique APISignature string generated by MyanPay that contains both capital and small letters and numbers for identifying which merchant will access to Myanpay.	60	Provided by MyanPay
InvoiceNo	Must be unique and generate from merchant site	5-200	
PaymentAmount	MyanPay accept only numbers string. Merchant can post decimal format converting to string data type.	2-50	
ReturnUrl	MyanPay will return the response fields to this URL with GET method.	10-200	Must exist in real world
PostUrl	MyanPay will return the response fields to this URL with POST method.	10-200	Must exist in real world

How to generate **APISignature**

- Step 1 : Firstly, you need to create **Business account** in MyanPay website. Please login to your business account.
- Step 2 : Please go to [Profile](#) link in the menu bar. In **Account Profile** page, you will see [View API Access](#) link when expand the selling preferences tag.
- Step 3 : In **API Access** page , please click the [View API Credentials](#) link. Now you can see the API Credentials information.

The merchant must to do the following:

- a.) Declare PDI as the object type and insert data and then convert to json format.

```
[{"ItemName": "MPT 5000
Kyats", "ItemAmt": "5000", "ItemNumber": "32", "ItemQty": "1"}]
```

- b.) Append MC data with a separator:

String = APISignature~InvoiceNo~PaymentAmount~ReturnUrl~PostUrl

- c.) Encrypt the both PDI and MC strings using Cipher("AES/CBC/PKCS7Padding") with 128 bit and encode to Base64 String and convert to hexadecimal values.

IV	1481023129763010
Key	ucscetmhuirpqlb

Note - When the encryption method is developed, it will needs two security keys , name as Key and IV for testing purpost in Virtual Box.

For MyanPay Production, please contact to MyanPay Team to get security keys.

- d.) Redirect to MyanPay multichcheckout url including both PDI and MC values.

Sample Request String sent by merchant

Virtual Box (UAT)	https://www.myanpay-virtualbox.com/Business/MultiCheckout/MultiRequestHandler.aspx
MyanPay (Production)	https://www.myanpay.com.mm/Business/MultiCheckout/MultiRequestHandler.aspx

<https://www.myanpay.com.mm/Business/MultiCheckout/MultiRequestHandler.aspx?>

PDI=544F2B4649497470653233635844784C49714665674C4E6F6D67546C7857525A77714B4B616D37484A795A435774747959704C663179534437434962636951546459646E636F726331387A6A2F455878305A463678565767353676384D6532767A6775394B67626E6941464E6A3078553968766244684C6B77376D6248556D6C6B52412F4C416632394D48726C4E566D453643754E513D3D&MC=776366744A4B653558753977673431415354685376302F70316F613570736F46756950723648486170496F79473748484839723342414A7A67535777353563425877622F493373336533526A6177363243564367612B616D3666677464767A78367A794D2F566A7352414D3472556D444E344343414D646E59704A755552523565324A646D6678617747687378393170346C63327A4677524F6F42674B6A6F4B2B7651616F70752F4163593

[D](#)

If transaction is successful, user will be redirected to success URLs as given by merchant described in.

Payment Gateway Response

Response values are sent by post method to respective URL for both success and failure transaction.

The response sent by MyanPay will contain only one encrypted string and the merchant needs to perform the following:

```
data =
676259625863512F4A454B686C735564415A3276326876544843375832507072526C6E3564354B7067
774E55422B636A4F6561307966786E5378694F54426E4F4C6F4650634D66734D733966653261327A7A
526577773D3D
```

Response Text String Example

```
success ~ DP-
IH1Q75MQD0Z7WI78I7T85Q~pc_G4DLOD~5000~165124~~~NayChi~naychi1010@gmail.com~100
```

a.) Decrypt the string using the same key used for encryption.

b.) One single text will be returned with the following data appended with the separator.

Field Name	Data Type	Description
data	String	String value of (Ack, TokenValue, InvoiceNo, PaymentAmount, TransactionNo, ErrorCode, BuyerName, PaymentServiceProviderCode)

Sample Response data Info

Field Name	Description	Length (Min-Max)
Ack	<ol style="list-style-type: none"> 1. success 2. fail 3. cancel 	4-50
TokenValue	Unique Token value generated by MyanPay that contains capital letters and numbers and length is specific	25
InvoiceNo	Same value with request	5-200
PaymentAmount	Same value with request	2-50
TransactionNo	Returns when the Ack is success that contains unique six digit numbers.	6-20
ErrorCode	Returns when the Ack is not success that contains unique eight digit numbers.	8
ErrorMessage	Returns when the Ack is not success and ErrorCode value is '1020640' that contains error message string.	Undefined
BuyerName	Returns checkout buyer name	1-50
BuyerEmail	Returns checkout buyer email (optional)	
PaymentServiceProviderCode	MyanPay = 100, MPU = 125, OnlineBanking = 150, MobilePayment = 200, CashInTerminals = 250	3

Error Code Information

ErrorCode	Description
1020030	Your amount will be less than minimum personal balance amount.
1020040	Your amount will be exceed than maximum personal balance amount.
1020060	Your amount will be exceed than maximum business balance amount.
1020070	Total amount of current transaction type is exceed than upper limit.
1020090	Receiver's balance amount is less than personal minimum balance amount.
1020100	Receiver's balance amount is exceed than personal maximum balance amount.
1020110	Receiver's balance amount is less than business minimum balance amount.
1020120	Receiver balance amount is exceed than business maximum balance amount.
1020210	Your current balance amount is less than minimum business account balance.
1020220	Your current balance amount is exceed than maximum business account balance.
1010230	Your current account status is unverified.
1010450	Recipient do not have permission to accept or reply current transaction type now. Please, contact him
10100123	You do not have permission to send money for goods via express checkout.
1020360	Your activation code is invalid or already used.
1020610	Your current token is already expired or it has already used.
1020620	Unexpected Error.
1020630	Cancel by buyer
1020640	Unsuccessful Message From related Payment (E.g., MPU, Banking Payment) Note: This error code contains Error Message field.

MultiCheckout Integration From Mobile App

Payment Gateway Request

Request Fields

Field Name	Description	Length (Min-Max)
uniqueUserId	Provided by MyanPay to check authentication.	12
itemName	Checkout item name in shopping cart	1-200
itemNumber	Checkout item number in shopping cart	1-50
itemAmt	Checkout item amount in shopping cart	1-50
itemQty	Checkout item quantity in shopping cart	1-50

Sample Java Request code

```
MediaType mediaType = MediaType.parse("application/x-www-form-urlencoded");
RequestBody body = RequestBody.create(mediaType,
"uniqueUserId=1234568972&itemName=Men shirt&itemNumber=MS-
000798&itemAmt=9950&itemQty=1");
Request request = new Request.Builder()
.url("https://www.myanpay.com.mm/mobile/api/billpay/startmulticheckout")
.post(body)
.addHeader("content-type", "application/x-www-form-urlencoded")
.addHeader("cache-control", "no-cache")
```

```
.addHeader("postman-token", "a843aab8-327c-09b3-b13b-2f284822aef4")
.build();

Response response = client.newCall(request).execute();
```

Sample Json Response

```
{
  "status": "200",
  "result": "OK",
  "userInfo": null,
  "returnPaymentUrl":
  "https://www.myanpay.com.mm/Business/MultiCheckout/MultiRequestHandler.aspx?PDI=5732
666C4C6361386468516A385532387032424C706444665536930585077746C4C4B4555666564494A5
8386A5950476E42794D664152586261337A3953774B4B2B7532524657586165362F30706571657065
2B593041527343657747724B6C72486D2B3952692F563436393971314A456939525A51564E54776A
5A2F6F6B6C61&MC=416E3362456142495A4E6F2F54684D5378794D73424461392B7A46646535464
D513670673142357964422B69495152552F494441625257514E35567568724D42543465416C714F68
44577A35642B2F2B76366459443733686667344F567230534978614766535649736F58474A37453834
5872394D336251372F354F7954736C6A584C62326C496D534932763457354A5638304432576B445
351454632754E2F395565676A306D45516C4C32573857734F576B6565346D784E32797067414F4C6
668346B4B427A336D31335265567367727836313962776C78574C2B4239664867304C45644F2F465
84A5779614F7255664B324F7470764942552F2F3271356D",
  "topupResponse": null
}
```

Please redirect the URL containing in '**returnPaymentUrl**' field.

Note - For MyanPay Production, please contact to MyanPay Team to get '**uniqueUserId**'.