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Multiple Checkout Integration Guide

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Document History

Date	Version	By	Remarks
15-6-2016	2.0	MyanPay Developer	First Version

Payment Gateway Request

Payment Function

Payment function allows merchant to send its payment details info and multiple checkout info in a request to MyanPay Payment Gateway.

Name	Type	Example	Description	Mandatory
PDI (Payment Details Info)	String	544F2B46494974706532336358 44784C49714665674C4E6F6D67 546C7857525A77714B4B616D37 484A795A435774747959704C66 31795344374349626369515464 59646E636F726331387A6A2F45 5878305A463678565767353676 384D6532767A6775394B67626E 6941464E6A3078553968766244 684C6B77376D6248556D6C6B52 412F4C416632394D48726C4E56 6D453643754E513D3D	RijndaelManaged encrypted Json format of PaymentItemCollection Object which contains(ItemName, ItemAmt, ItemNumber, ItemQty)	Yes
MC (Multiple Checkout Info)	String	776366744A4B65355875397767 3431415354685376302F70316F 613570736F4675695072364848 6170496F794737484848397233 42414A7A675357773535634258 77622F493373336533526A6177 363243564367612B616D366667 7464767A78367A794D2F566A73 52414D3472556D444E34434341 4D646E59704A75555252356532 4A646D66786177476873783931 70346C63327A4677524F6F4267 4B6A6F4B2B7651616F70752F41 63593D	RijndaelManaged encrypted value of (APISignature+InvoiceNo+ PaymentAmount+ ReturnUrl+PostUrl) for authentication	Yes

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Example of Payment Request Parameters

PaymentDetailsInfo

ItemName	MECTel - CDMA 800 MHz 5000 Kyats
ItemAmt	5000
ItemNumber	32
ItemQty	1

Json format Example

```
[{"ItemName": "MECTel - CDMA 800 MHz 5000 Kyats", "ItemAmt": "5000", "ItemNumber": "32", "ItemQty": "1"}]
```

To get the PDI value, please encrypt the upper json format string and convert this encrypted string to Hex value.

MultipleCheckoutInfo

APISignature	Q3m3w0Zf1eA2TxKx3yOn2tdvea54ol4pA0S8Zu6K52zK6sJmhukgULw3oLjD
InvoiceNo	pc_G4DLOD
PaymentAmount	5000
ReturnUrl	http://merchantlink.com/CheckoutCompleted.aspx
PostUrl	http://merchantlink.com/PostCompleted.aspx

Request String Example

```
Q3m3w0Zf1eA2TxKx3yOn2tdvea54ol4pA0S8Zu6K52zK6sJmhukgULw3oLjD~pc_G4DLOD~5000~http://merchantlink.com/CheckoutCompleted.aspx~http://merchantlink.com/PostCompleted.aspx
```

To get the MC value, please encrypt the upper string and convert this encrypted string to Hex value.

MyanPay responses the result encrypted string with GET value to **ReturnUrl** and POST value to **PostUrl**.

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How to Generate APISignature

- Step 1 : You must have **Business account** in MyanPay Virtual Box 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.

HTTP Post Request Sample

In Virtual Box,

<https://www.myanpay-virtualbox.com/Business/MultiCheckout/MultiCheckoutRestTest.aspx?PDI=544F2B4649497470653233635844784C49714665674C4E6F6D67546C7857525A77714B4B616D37484A795A435774747959704C663179534437434962636951546459646E636F726331387A6A2F455878305A463678565767353676384D6532767A6775394B67626E6941464E6A3078553968766244684C6B77376D6248556D6C6B52412F4C416632394D48726C4E566D453643754E513D3D&MC=776366744A4B653558753977673431415354685376302F70316F613570736F46756950723648486170496F79473748484839723342414A7A67535777353563425877622F493373336533526A6177363243564367612B616D3666677464767A78367A794D2F566A7352414D3472556D444E344343414D646E59704A755552523565324A646D6678617747687378393170346C63327A4677524F6F42674B6A6F4B2B7651616F70752F4163593D>

In MyanPay,

<https://www.myanpay.com.mm/Business/MultiCheckout/MultiRequestHandler.aspx?PDI=544F2B4649497470653233635844784C49714665674C4E6F6D67546C7857525A77714B4B616D37484A795A435774747959704C663179534437434962636951546459646E636F726331387A6A2F455878305A463678565767353676384D6532767A6775394B67626E6941464E6A3078553968766244684C6B77376D6248556D6C6B52412F4C416632394D48726C4E566D453643754E513D3D&MC=776366744A4B653558753977673431415354685376302F70316F613570736F46756950723648486170496F79473748484839723342414A7A67535777353563425877622F493373336533526A6177363243564367612B616D366667746>

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[4767A78367A794D2F566A7352414D3472556D444E344343414D646E59704A755552523565324A646D6678617747687378393170346C63327A4677524F6F42674B6A6F4B2B7651616F70752F4163593D](http://www.merchantlink.com?data=676259625863512F4A454B686C735564415A3276326876544843375832507072526C6E3564354B7067774E55422B636A4F6561307966786E5378694F54426E4F4C6F4650634D66734D733966653261327A7A526577773D3D)

HTTP Post Response Sample

[http://www.merchantlink.com?](http://www.merchantlink.com?data=676259625863512F4A454B686C735564415A3276326876544843375832507072526C6E3564354B7067774E55422B636A4F6561307966786E5378694F54426E4F4C6F4650634D66734D733966653261327A7A526577773D3D)

[data=676259625863512F4A454B686C735564415A3276326876544843375832507072526C6E3564354B7067774E55422B636A4F6561307966786E5378694F54426E4F4C6F4650634D66734D733966653261327A7A526577773D3D](http://www.merchantlink.com?data=676259625863512F4A454B686C735564415A3276326876544843375832507072526C6E3564354B7067774E55422B636A4F6561307966786E5378694F54426E4F4C6F4650634D66734D733966653261327A7A526577773D3D)

Payment Gateway Response

Name	Type	Example	Description
data	String	676259625863512F4A454B686C735564415A3276326876544843375832507072526C6E3564354B7067774E55422B636A4F6561307966786E5378694F54426E4F4C6F4650634D66734D733966653261327A7A526577773D3D	<code>RijndaelManaged</code> encrypted value of (Ack+TokenValue+InvoiceNo+PaymentAmount+TransactionNo+ErrorCode+ErrorMessage+BuyerName+BuyerEmail+PaymentServiceProviderCode)

Response String Example

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

To get the response value, please convert hex value to plain text first and decrypted this string with `RijndaelManaged` encryption method.

Response Values Info

<i>Response Type</i>	<i>Response Values</i>
<i>Ack</i>	[success, fail, cancel]
<i>TokenValue</i>	DP-IH1Q75MQD0Z7WI78I7T85Q
<i>InvoiceNo</i>	pc_G4DLOD
<i>PaymentAmount</i>	5000
<i>TransactionNo</i>	[165124, EmptyString, EmptyString]
<i>ErrorCode</i>	[Empty String, 10100234, 10100234]
<i>ErrorMessage</i>	Must be empty string except ErrorCode value is 1020640.
<i>BuyerName</i>	[NayChi, EmptyString, NayChi]
<i>BuyerEmail</i>	[naychi1010@gmail.com, EmptyString, EmptyString]
<i>PaymentServiceProviderCode</i>	MyanPay = 100, MPU = 125, OnlineBanking = 150, MobilePayment = 200, CashInTerminals = 250

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 Note: This error code contains Error Message field.

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CryptoGraphy Information

Encryption Method	RijndaelManaged
Padding Mode	PKCS7
Cipher Mode	CBC
Key Size	128
Block Size	128

IV	1481023129763010
Key	ucescetmhuirpqlb

When the encryption method is developed, it will needs two security keys, name as **Key** and **IV**.

These keys are confidential and may differ from Virtual Box and real MyanPay.