



## 1-2-3 Developers' Reference Inquiry Manual

1. Merchant requests to 1-2-3 System **using HTTP FORM POST method** to inquiry the transaction. The xml message can be posted by using **PKCS7** encryption. 123 Service will provide the library of PKCS7: **SinaptIQPKCS7.dll** for .Net, **SinaptIQPKCS7.jar** for Java ,**SinaptIQPKCS7.php** for PHP and **SinaptIQPKCS7.pl** for PERL.

**Refer to sample files :** **Sample.cs** for .Net, **Sample.Java** for Java, **SinaptIQPKCS7.php** for PHP and **SinaptIQPKCS7.pl** for PERL.

UAT API URL : ***http://uat.123.co.th/Payment/inquiryapi.aspx***

Prod API URL : ***https://secure.123.co.th/Payment/ inquiryapi.aspx***

## 2. Inquiry XML

### Request

```
<InquiryReq>
  <Version>1.1</Version>
  <TimeStamp>2012-11-20 10:37:09:159</TimeStamp>
  <MessageID>ltcw42gyoggfnp22wjsnzau5</MessageID>
  <MerchantID>merchant@shopping.com</MerchantID>
  <InvoiceNo>20100853877</InvoiceNo>
  <Amount>000000051000</Amount>
  <RefNo1>1002223</RefNo1>
  <HashValue>BECF8213EFF8259C37FC48D7ACFC2EEF67B7DAC</HashValue>
  <UserDefined1></UserDefined1>
  <UserDefined2></UserDefined2>
  <UserDefined3></UserDefined3>
  <UserDefined4></UserDefined4>
  <UserDefined5></UserDefined5>
</InquiryReq>
```

### Response

```
<InquiryRes>
  <Version>1.1</Version>
  <TimeStamp>2012-11-21 15:01:31:130</TimeStamp>
  <MessageID>ltcw42gyoggfnp22wjsnzau5</MessageID>
  <MerchantID>merchant@shopping.com</MerchantID>
  <InvoiceNo>20100853877</InvoiceNo>
  <RefNo1>1002223</RefNo1>
  <ResponseCode>001</ResponseCode>
  <CompletedDateTime></CompletedDateTime>
  <Amount>000000051000</Amount>
  <PaidAmount>000000000000</PaidAmount>
  <PayerName>lynn</PayerName>
  <PayerEmail>lynn@sinaptiq.com</PayerEmail>
  <SelectedAgentCode>7ELEVEN</SelectedAgentCode>
  <SelectedChannelCode>7ELEVEN</SelectedChannelCode>
  <PaymentAgentCode>7ELEVEN</PaymentAgentCode>
  <PaymentChannelCode>OVERTHECOUNTER</PaymentChannelCode>
  <ApprovalCode></ApprovalCode>
  <AgentRef></AgentRef>
  <ChannelService></ChannelService>
  <HashValue>E97E6F186DFF3BDDE977544D71D01C9F36935F91</HashValue>
  <UserDefined1></UserDefined1>
  <UserDefined2></UserDefined2>
  <UserDefined3></UserDefined3>
  <UserDefined4></UserDefined4>
  <UserDefined5></UserDefined5>
</InquiryRes>
```

## Inquiry Request Field Descriptions

No.	Field Name	Description	Field Validity
1	Version	Message Version Number	Length : 3 or more characters E.g. 1.0.0
2	TimeStamp	Date and time of request message	Length : 22 characters Format : yyyy-MM-dd HH:mm:ss:fff -yyyy=4 numeric digits, followed by a dash("-") -MM=2 numeric digits with value 01-12, followed by a dash("-") -dd=2 numeric digits with value 01-31, followed by a space(" ") -HH=2 numeric digits with value 00-24, followed by a colon(":") -mm=2 numeric digits with value 00-59, followed by a colon(":") -ss=2 numeric digits with value 00-59, followed by a colon(":") -fff=3 numeric digits with value 000-999
3	MessageID	Unique Identifier for every message exchange.	Length : 1- 255 characters or numeric(or both)
4	MerchantID	Unique Identifier of merchant Merchant's registered email address or unique id generated by 1-2-3.	Length : 1-100 characters Format : it can be numeric generated by 1-2-3 system or the email address registered in 1-2-3 system.
5	InvoiceNo	Unique invoice/order number generated by merchants. If the merchant does not send the value, 1-2-3 system will generate automatically.	Length : 12 E.g. 123456789012
	Amount	Purchase amount	Length : 12 numeric Format : pad left '0' if not filled with 12 numeric and the last 2 digits is for exponent. E.g. 000000010000 represents 100.00
	RefNo1	Reference No. from the system of 1-2-3.It can be called ' <b>Payment Ref.Code</b> '	Length : 1-20 Format : any character or numeric
	<b>HashValue</b>	Hash value computed by <b>HMACSHA1</b> with secret key provided by 1-2-3 System.	Length : 255 Signature String : <b>MerchantID+InvoiceNo+Amount</b> Secret Key(Test) : <b>746D7SCHAIQ0QUZ0MRJWU0PQ3AD7PJ8B</b> <b>PHP</b> Refer to <b>hash_hmac_sha1.php</b> <b>C#.Net</b> Refer to <b>hash_hmac_sha1.cs</b>

			<b>Java</b> Refer to <b>hash_hmac_sha1.java</b> <b>Perl</b> Refer to <b>hash_hmac_sha1.pl</b>
	UserDefined1	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric
	UserDefined2	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric
	UserDefined3	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric
	UserDefined4	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric
	UserDefined5	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric

## Inquiry Response Field Descriptions

No.	Field Name	Description	Field Validity
1	Version	Message Version Number	Length : 3 or more characters E.g. 1.0.0
2	TimeStamp	Date and time of request message	Length : 22 characters Format : yyyy-MM-dd HH:mm:ss:fff -yyy=4 numeric digits, followed by a dash("-") -MM=2 numeric digits with value 01-12, followed by a dash("-") -dd=2 numeric digits with value 01-31, followed by a space(" ") -HH=2 numeric digits with value 00-24, followed by a colon(":")

			-mm=2 numeric digits with value 00-59, followed by a colon(":") -ss=2 numeric digits with value 00-59, followed by a colon(":") -fff=3 numeric digits with value 000-999
3	MessageID	Unique Identifier for every message exchange.	Length : 1- 255 characters or numeric(or both)
4	MerchantID	Unique Identifier of merchant Merchant's registered email address or unique id generated by 1-2-3.	Length : 1-100 characters Format : it can be numeric generated by 1-2-3 system or the email address registered in 1-2-3 system.
5	InvoiceNo	Unique invoice/order number generated by merchants. If the merchant does not send the value, 1-2-3 system will generate automatically.	Length : 12 E.g. 123456789012
6	RefNo1	Reference No. from the system of 1-2-3. It can be called <b>'PaymentRef.Code'</b>	Length : 1-20 Format : any character or numeric
7	ResponseCode	Response code from 1-2-3 system	Length : 3 Format : numeric <b>000</b> = SUCCESS( <b>PAID</b> ) <b>001</b> = SUCCESS( <b>PENDING</b> ) <b>002</b> = TIMEOUT <b>003</b> = INVALID MESSAGE <b>004</b> = INVALID PROFILE(MERCHANT) ID <b>005</b> = DUPLICATED INVOICE <b>006</b> = INVALID AMOUNT <b>007</b> = INSUFFICIENT BALANCE <b>008</b> = INVALID CURRENCY CODE <b>009</b> = PAYMENT EXPIRED <b>010</b> = PAYMENT CANCELED BY PAYER <b>011</b> = INVALID PAYEE ID  <b>998</b> = INTERNAL ERROR <b>999</b> = SYSTEM ERROR
8	CompletedDateTime	The date and time of transaction completed.	Length : 22 characters Format : yyyy-MM-dd HH:mm:ss -yyyy=4 numeric digits, followed by a dash("-") -MM=2 numeric digits with value 01-12, followed by a dash("-") -dd=2 numeric digits with value 01-31, followed by a space(" ") -HH=2 numeric digits with value 00-24, followed by

			a colon(":".) -mm=2 numeric digits with value 00-59, followed by a colon(":".) -ss=2 numeric digits with value 00-59
9	Amount	Purchase amount	Length : 12 numeric Format : pad left '0' if not filled with 12 numeric and the last 2 digits is for exponent. E.g. 000000010000 represents 100.00
10	PaidAmount	Paid amount	Length : 12 numeric Format : pad left '0' if not filled with 12 numeric and the last 2 digits is for exponent. E.g. 000000010000 represents 100.00
11	PayerName	Payer or Buyer Name.	Length : 1-100 Format : any characters
12	PayerEmail	The email address of buyer.	Length : 100 Format : any valid characters for email address
13	SelectedAgentCode	The unique code of agents by 1-2-3 system selected by the customer.	Length : 1-30 Format : characters <b>BBL</b> =Bangkok Bank <b>KBANK</b> =Kasikorn Bank <b>KTB</b> =Krung Thai Bank <b>SCB</b> =Siam Commercial Bank <b>TBANK</b> =Thanachart Bank Public Company Ltd. <b>UOB</b> =United Overseas Bank <b>CIMB</b> =CIMB Thai Bank Public Company Ltd. <b>TMB</b> =TMB Bank Public Company Limited <b>BAY</b> = Bank of Ayutthaya <b>7ELEVEN</b> = 7 Eleven Counter Service <b>TRUEMONEY</b> = True Money Shop <b>TESCO</b> = Tesco Lotus Counter Service <b>TOT</b> = Just Pay by TOT public Company Ltd. <b>PAP</b> = Pay at post
14	SelectedChannelCode	The unique code of channel by 1-2-3 system selected by the customer.	Length : 1-30 Format : characters <b>ATM</b> = ATM Machine <b>BANKCOUNTER</b> = Bank Branch Counter <b>IBANKING</b> = Internet Banking <b>WEBPAY</b> = Web Payment of banking <b>OVERTHECOUNTER</b> = 7 Eleven, True Money, Tesco Lotus
15	PaymentAgentCode	The unique code of agents by 1-2-3 system paid by the customer.	Length : 1-30 Format : characters <b>BBL</b> =Bangkok Bank <b>KBANK</b> =Kasikorn Bank <b>KTB</b> =Krung Thai Bank <b>SCB</b> =Siam Commercial Bank <b>TBANK</b> =Thanachart Bank Public Company Ltd. <b>UOB</b> =United Overseas Bank <b>CIMB</b> =CIMB Thai Bank Public Company Ltd. <b>TMB</b> =TMB Bank Public Company Limited <b>BAY</b> = Bank of Ayutthaya

			<b>7ELEVEN</b> = 7 Eleven Counter Service <b>TRUEMONEY</b> = True Money Shop <b>TESCO</b> = Tesco Lotus Counter Service <b>TOT</b> = Just Pay by TOT public Company Ltd. <b>PAP</b> = Pay at post
16	PaymentChannelCode	The unique code of channel by 1-2-3 system paid by the customer.	Length : 1-30 Format : characters <b>ATM</b> = ATM Machine <b>BANKCOUNTER</b> = Bank Branch Counter <b>IBANKING</b> = Internet Banking <b>WEBPAY</b> = Web Payment of banking <b>OVERTHECOUNTER</b> = 7 Eleven, True Money, Tesco Lotus
17	ApprovalCode	(Optional) Transaction Approval from some <b>WebPay</b> providers.	Length : 6 Format : characters
18	AgentRef	(Optional) Transaction reference from Agents.	Length : 1-100 Format : characters
19	ChannelService	(Optional) The unique ID of Store/Branch/ATM.	Length : 1-100 Format : characters
20	HashValue	Hash value computed by <b>HMACSHA1</b> with secret key provided by 1-2-3 System.	Length : 255 Signature String : <b>MerchantID+InvoiceNo+RefNo1</b> Secret Key(Test) : <b>746D7SCHAIQ0QUZ0MRJWU0PQ3AD7PJ8B</b> <b>PHP</b> Refer to <b>hash_hmac_sha1.php</b> <b>C#.Net</b> Refer to <b>hash_hmac_sha1.cs</b> <b>Java</b> Refer to <b>hash_hmac_sha1.java</b> <b>Perl</b> Refer to <b>hash_hmac_sha1.pl</b>
21	UserDefined1	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric
22	UserDefined2	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric
23	UserDefined3	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric
24	UserDefined4	(Optional) 123 system will response back to merchant whatever	Length : 255 Format : any characters or numeric

		information include in request message of this field	
25	UserDefined5	(Optional) 123 system will response back to merchant whatever information include in request message of this field	Length : 255 Format : any characters or numeric

3. The form tag value name for the encrypted message will be “**InquiryReq**” with http **POST** method. The URL will be assumed as  
<http://uat.123.co.th/Payment/inquiryapi.aspx>.

**Example form:**

```
<Form method=post action=" http://uat.123.co.th/Payment/inquiryapi.aspx">
<input type="hidden" name="InquiryReq" value="
MIICQgYJKoZIhvcNAQcDoIICMzCCAi8CAQAxggHzMIIB7wIBADCB1jCBYjELMAkGA1UEBhMCVVMxE
DAOBgNVBAGTB0FyaXpvcnExEzARBgNVBACTC1Njb3R0c2RhbgUxGjAYBgNVBAoTEUdvRGFkZHkuY2
9tLCBjbmMuMTMwMQYDVQQLZyEypodHRwOi8vY2VydGhmaWNhdGVzLmdvZGFkZHkuY29tL3JlcG9zaXR
vcnkxMDAuBgNVBAMTJ0dvIERhZGR5IFNlY3VyZSBkZDZlJ0aWZpY2F0aW9uIEF1dGhvcml0eTERMA8G
A1UEBRMIMDc5NjkyODcCBwQdTjAk50QwDQYJKoZIhvcNAQEBBQAEggEAU9gFBgnTsOn5Tb0i/rXIM
u5FTclgdqPoO552YaJ0a+lyDJeSH+bdBCmYo5chchBu7DVvwDY68SXablJV+nMaJJUEVXqOpJBwsW
VVVEUvhagLHIuLs1/o6m8YcYSxuJUA/VMKR1eoIIgP5umZ2q4Bq+2btRGx1xrwlPDmuaiLQEcCCUf
c+OH815H1xws4SIn3787TXGQOxyQZ/chXEc6XmGQcTEzZJXx9Y0nX4FhXoMSI9YKmkSaklOkhHiB4
ILYd0InoslpGWUcs1Jk0jQQ4HQz9t7cf5CbZuxeYJnbuGcVPgspji/AiSPMXfcGhEuhkTSWT+h8k0
chCsQ0Kf0BhmTAzBgkqhkiG9w0BBwEwFAYIKoZIhvcNAwECOjcWKIwdIsTgBAFJ2gCTiYmuwsjvt
YMVMN+">
<input type="submit" value="Send" name="submit">
</Form>
```