



## 1-2-3 Developers' Reference Available Channels and Agents

1. Merchant website requests the following **No.2** and **No.3** XML to 1-2-3 System **using HTTP FORM POST method** to process the transaction. The xml message can be posted by using **PKCS7** encryption. 1-2-3 Service will provide the library of PKCS7: **SinaptIQPKCS7.dll** for .Net and **SinaptIQPKCS7.jar** for Java.

UAT API URL : ***http://61.91.121.185/Payment/channelagentapi.aspx***

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

### **C#.Net sample for encryption and decryption**

```
SinaptIQPKCS7.PKCS7 pkcs7 = new SinaptIQPKCS7.PKCS7();
string clearMsg = "";
string inputMsg = "XML here";
//Recipient's public key
string base64Str = pkcs7.encryptMessage(inputMsg, pkcs7.getPublicCert("C:/123public.cer"));
//Sending encrypted message to Recipient
//Recipient's private key
clearMsg = pkcs7.decryptMessage(base64Str, pkcs7.getPrivateCert("C:/Merchant.pfx", "merchant"));
```

## **2. Channel XML**

### **Request**

```
<ChannelReq>
  <Version>1.0</Version>
  <TimeStamp>2012-06-28 10:03:39:028</TimeStamp>
  <MessageID>121212kdkjsjdkjfdksjdsd</MessageID>
  <MerchantID>merchant@shopping.com</MerchantID>
</ChannelReq>
```

### **Response**

```
<ChannelRes>
  <Version>1.0</Version>
  <TimeStamp>2012-06-28 10:03:39:028</TimeStamp>
  <MessageID>121212kdkjsjdkjfdksjdsd</MessageID>
  <MerchantID>merchant@shopping.com</MerchantID>
  <Channels>
    <Channel id="1" code="OVERTHECOUNTER" nameEN="Over the counter" nameTH="เคาน์เตอร์" />
  />
    <Channel id="2" code="ATM" nameEN="ATM Machine" nameTH="เอทีเอ็ม" />
    <Channel id="3" code="BANKCOUNTER" nameEN="Bank Counter" nameTH="สาขาธนาคาร" />
    <Channel id="4" code="IBANKING" nameEN="Internet Banking" nameTH="อินเทอร์เน็ตแบงก์กิ้ง" />
  />
    <Channel id="5" code="WEBPAY" nameEN="Web Payment" nameTH="ธนาคารออนไลน์" />
  </Channels>
</ChannelRes>
```

## **Channel 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	Length : 22 characters

		message	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	Channels	Nested loop	Attribute : <b>id</b> for number of item, <b>code</b> for ChannelCode, <b>name</b> for Channel Name in English and <b>nameTH</b> for Channel Name in Thai. Eg. <Channel id="1" code="OVERTHECOUNTER" nameEN="Over the counter" nameTH="เคาน์เตอร์" />

### 3. Agent XML

#### Request

```

<AgentReq>
  <Version>1.0</Version>
  <TimeStamp>2012-06-28 10:03:39:028</TimeStamp>
  <MessageID>121212kdkjsjdkjfdksjdsd</MessageID>
  <MerchantID>merchant@shopping.com</MerchantID>
  <ChannelCode>ATM</ChannelCode>
</AgentReq>

```

#### Response

```

<AgentRes>
  <Version>1.0</Version>
  <TimeStamp>2012-06-28 10:03:39:028</TimeStamp>
  <MessageID>121212kdkjsjdkjfdksjdsd</MessageID>
  <MerchantID>merchant@shopping.com</MerchantID>
  <ChannelCode>ATM</ChannelCode>
  <Agents>
    <Agent id="1" code="KBANK" nameEN="Kasikorn Bank" nameTH="ธนาคารกรุงไทย" />
  </Agents>
</AgentRes>

```

```

    <Agent id="2" code="SCB" nameEN="The Siam Commercial Bank" nameTH="ธนาคารไทยพาณิชย์"
/>
    <Agent id="3" code="KTB" nameEN="Krung Thai Bank" nameTH="ธนาคารกรุงไทย" />
    <Agent id="4" code="BBL" nameEN="Bangkok Bank PCL" nameTH="ธนาคารกรุงเทพ" />
    <Agent id="5" code="BAY" nameEN="Bank of Ayudhya" nameTH="ธนาคารกรุงศรีอยุธยา" />
    <Agent id="6" code="TMB" nameEN="TMB Bank Public Company Limited"
nameTH="ธนาคารทหารไทย" />
    <Agent id="7" code="UOB" nameEN="United Overseas Bank" nameTH="ธนาคารยูโอบี" />
</Agents>
</AgentRes>

```

## Agent Field Descriptions

No.	Field Name	Description	Field Validity
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5	Agents	Nested loop	Attribute : <b>id</b> for number of item, <b>code</b> for AgentCode, <b>name</b> for Agent Name in English and <b>nameTH</b> for Agent Name in Thai. <pre> &lt;Agent id="1" code="KBANK" nameEN="Kasikorn Bank" nameTH="ธนาคารกสิกรไทย" /&gt; </pre>

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

**Example form:**

```
<Form method=post action=" http://uat.123.co.th/Payment/channelagentapi.aspx">
<input type="hidden" name="ChannelAgentReq" value="
MIICQgYJKoZIhvcNAQcDoIICMzCCAi8CAQAxggHzMIIB7wIBADCB1jCBYjELMAkGA1UEBhMCVVMxE
DAOBgNVBAgTB0FyaXpvcnExEzARBgNVBACTClNjb3R0c2RhGUxGjAYBgNVBAoTEUdvRGFkZHkuY2
9tLCBjbmMuMTMwMQYDVQQLEypodHRwOi8vY2VydGhmaWNhdGVzLmdvZGFkZHkuY29tL3JlcG9zaXR
vcnkxMDAuBgNVBAMTJ0dvIERhZGR5IFNlY3VyZSBDZXJ0aWZpY2F0aW9uIEF1dGhvcml0eTERMA8G
A1UEBRMIMDc5NjkyODcCBwQTTpAk50QwDQYJKoZIhvcNAQEBBQAEggEAU9gFBgnTsOn5Tb0i/rXIM
u5FTclgdqPoO552YaJ0a+lyDJeSH+bdBCmYo5chchBu7DVvwDY68SXablJV+nMaJJUEVXqOpJBwsW
VVVEUvhagLHIuLs1/o6m8YcYSxuJUA/VMKRleoIIgP5umZ2q4Bq+2btRGx1xrwlPDmuaiLQEcCCUf
c+OH815H1xwS4SIn3787TXGQOxyQZ/chXEc6XmGQcTEzZJXx9Y0nX4FhXoMSI9YKmkSaklOkhHiB4
ILYd0InoslpGWUcs1Jk0jQQ4HQz9t7cf5CbZuxeYJnbuGcVPgspji/AiSPMXfcGhEuhkTSWT+h8k0
chCsQ0Kf0BhmTAzBgkqhkiG9w0BBwEwFAYIKoZIhvcNAwcECOjCWKIwdIsTgBAFJ2gCTiYmuwsjvt
YVMVN+">
<input type="submit" value="Send" name="submit">
</Form>
```

- Refer to **Available Channel and Agent Vx.x.pdf** for Agent and Channel Descriptions.