

# Alipay International Services

## Using the Simple Order API

August 2019



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# Recent Revisions to This Document

Release	Changes
August 2019	Added information about multibyte character strings. See <a href="#">"Working with Multibyte Character Strings," page 23.</a>
March 2019	<p>Added the following request fields. See <a href="#">"Initiating a Payment," page 15,</a> and <a href="#">"Working with Multibyte Character Strings," page 23.</a></p> <ul style="list-style-type: none"> <li>■ invoiceHeader_submerchantID</li> <li>■ invoiceHeader_submerchantName</li> <li>■ item_#_productSKU</li> <li>■ item_#_quantity</li> <li>■ item_#_unitPrice</li> </ul> <p>Updated initiate payment request examples. See <a href="#">"Initiate Payment Examples," page 30.</a></p>
January 2018	Updated the "Supported Currencies and Amounts" section. See <a href="#">page 14.</a>
March 2017	<p>Removed the "Merchant Notifications" section.</p> <p>Removed the link to the <i>New Business Center User Guide.</i></p>
May 2015	Updated the link to the <i>New Business Center User Guide.</i> See <a href="#">page 12.</a>
October 2015	Added the "Merchant Notifications" section. See <a href="#">page 12.</a>

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Release	Changes
September 2015	<p data-bbox="618 289 1268 317">Added the "Supported Payment Types" section. See <a href="#">page 12</a>.</p> <p data-bbox="618 338 1414 394">Added an important note regarding the <b>apPaymentType</b> request field to the following sections:</p> <ul data-bbox="618 411 1045 516" style="list-style-type: none"><li data-bbox="618 411 980 438">■ "Initiating a Payment," <a href="#">page 15</a>.</li><li data-bbox="618 449 1045 476">■ "Checking Payment Status," <a href="#">page 17</a>.</li><li data-bbox="618 487 1000 514">■ "Refunding a Payment," <a href="#">page 17</a>.</li></ul> <p data-bbox="618 533 1414 590">Added the mobile payment value AYM to the <b>apPaymentType</b> request field. See <a href="#">page 25</a>.</p> <p data-bbox="618 609 1089 636">Added the "Mobile Payment" XML examples:</p> <ul data-bbox="618 653 1187 758" style="list-style-type: none"><li data-bbox="618 653 1110 680">■ "Initiate Mobile Payment Request," <a href="#">page 32</a>.</li><li data-bbox="618 690 1187 718">■ "Check Mobile Payment Status Request," <a href="#">page 35</a>.</li><li data-bbox="618 728 943 756">■ "Refund Request," <a href="#">page 38</a>.</li></ul> <p data-bbox="618 774 1224 802">Added the "Mobile Payment" Name-Value Pair examples:</p> <ul data-bbox="618 819 1036 924" style="list-style-type: none"><li data-bbox="618 819 1036 846">■ "Initiate Payment Request," <a href="#">page 42</a>.</li><li data-bbox="618 856 1008 884">■ "Check Status Request," <a href="#">page 44</a>.</li><li data-bbox="618 894 943 921">■ "Refund Request," <a href="#">page 46</a>.</li></ul>

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# About This Guide

## Audience and Purpose

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This guide is written for merchants who want to offer Alipay services to customers. The Alipay real-time international payment solution enables merchants to trade in China. Customers who are registered Alipay account holders can select Alipay as their payment method on the merchant web site.

This guide describes tasks a merchant must complete in order to make a payment, request the status of a payment, or refund a payment. It is intended to help the merchant provide a seamless customer payment experience.

## Conventions

---

### Note and Important Statements



**Note**

A *Note* contains helpful suggestions or references to material not contained in this document.



**Important**

An *Important* statement contains information essential to successfully completing a task or learning a concept.

## Text and Command Conventions

Convention	Usage
<b>Bold</b>	<ul style="list-style-type: none"> <li>Field and service names; for example: Include the <b>requestID</b> field.</li> <li>Items that you are instructed to act upon; for example: Click <b>Save</b>.</li> </ul>
Screen text	<ul style="list-style-type: none"> <li>XML elements.</li> <li>Code examples and samples.</li> </ul>

## Related Documents

- *Getting Started with CyberSource Advanced for the Simple Order API* ([PDF](#) | [HTML](#))—describes how to start using your CyberSource advanced account.
- [Simple Order API and SOAP Toolkit API Documentation and Downloads page](#).
- *Business Center Overview* ([PDF](#) | [HTML](#))—describes the features and options available with your CyberSource advanced account using the Business Center.

Refer to the Support Center for complete CyberSource technical documentation:

[http://www.cybersource.com/support\\_center/support\\_documentation](http://www.cybersource.com/support_center/support_documentation)

## Customer Support

For support information about any CyberSource service, visit the Support Center:

<http://www.cybersource.com/support>



# Using Alipay International Services



**Important**

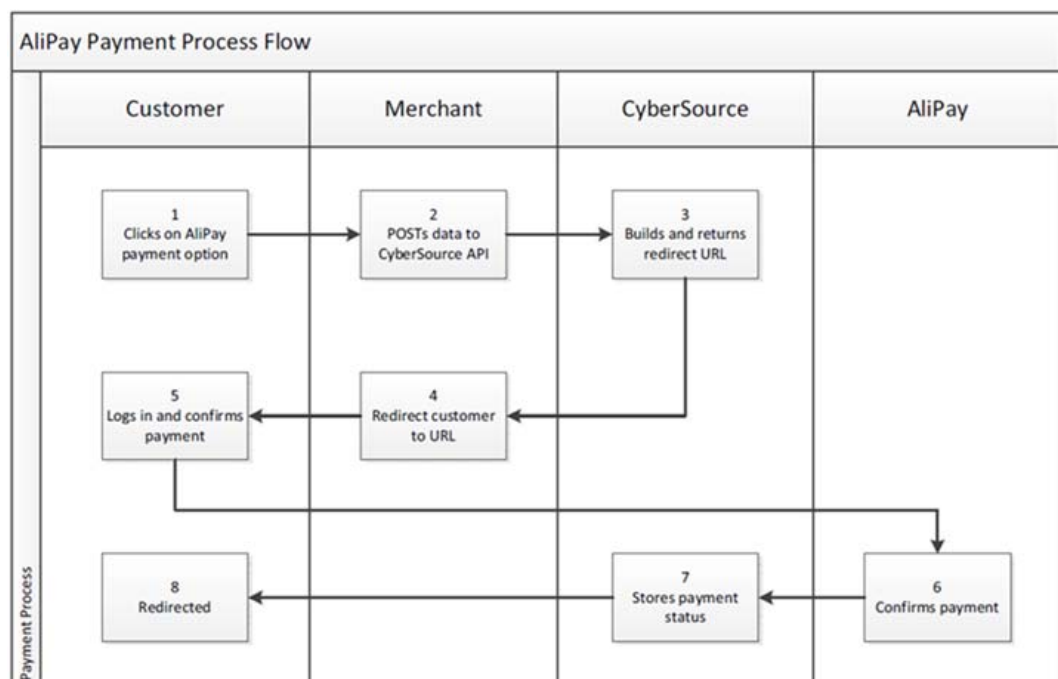
All Alipay international payments are processed in Renminbi (RMB). You must capture the required billing and shipping information as part of the checkout process. Alipay does not provide this information to merchants. Alipay monitors their systems for problems; however, CyberSource recommends that you monitor their customer dropout rates.

## Alipay International Services

### Initiate Payment Service

The initiate payment service illustrated in [Figure 1](#) is described in detail below.

**Figure 1** Initiate Payment Service



The Alipay international payments web site is a real-time payment solution enabling international merchants to trade in China. The payment process is as follows:

- 1 When ready to pay for a product selected from your web site, the customer clicks the Alipay customized pay button.



**Important**

CyberSource recommends that you detect the customer's payment device and include the appropriate value in the **apPaymentType** field: APY for a web payment (personal computer or laptop) or AYM for a mobile payment (handheld device).

- 2 Using the CyberSource API, you POST the merchant details and order information from the initiate payment service request to CyberSource.
- 3 CyberSource creates a signed merchant URL. To redirect customers to their Alipay accounts for transaction processing, see "[Merchant URL Parameters](#)," page 10. CyberSource sends the signed merchant URL back to you.
- 4 The customer is redirected to the URL that CyberSource sent to you in number 3. This URL directs the customer to their Alipay account.
- 5 The customer logs in to their Alipay account or creates a new account. requested amount, The RMB amount, and the exchange rate are displayed. The payment is not visible to you as the merchant, and the customer can cancel without your knowledge.
- 6 Alipay accepts the payment request and sends payment notification to CyberSource that the payment is complete.
- 7 CyberSource stores the payment status. You can retrieve the payment status by requesting the check status service. See "[Check Status Service](#)," page 11.
- 8 The customer's browser is redirected to the return URL that is specified during merchant boarding. Alipay recommends that you ignore the HTTP GET information indicating the transaction result because it could have been tampered with. See "[Initiating a Payment](#)," page 15.

## Merchant URL Parameters

The merchant URL consists of the following parameters. See [apInitiateReply\\_merchantURL](#), page 27.

**Table 1 Merchant URL Parameters**

Parameter	Description
Alipay web site	mapi.alipay.com/gateway.do
Body	Description of the product purchased.
Currency	Currency used for the order.
Notify URL	URL for displaying notifications after the transaction is processed.
Out trade no	Unique transaction ID.
Partner	Merchant ID for Alipay.

**Table 1 Merchant URL Parameters (Continued)**

Parameter	Description
Return URL	URL of the web page that is displayed to the customer when the transaction is complete.
Service	Alipay service name.
Subject	Product purchased by the customer.
Total fee	Grand total for the order.
Sign and sign type	Digital signature and type of signature used to verify the transaction information. The digital signature prevents data tampering.

## Check Status Service



### Important

You must request the check status service to receive the most recent status of a payment.

When the customer is redirected to your web site after making a payment, you must request the status of the payment at the recommended intervals listed below to receive the most recent status of the payment. The status confirms whether the payment was accepted or not between the customer and Alipay. Checking payment status is a follow-on transaction that uses the request ID returned from the initiate payment request. The initiate payment request ID links the check status request to the payment transaction.

If the payment status is PENDING, wait 1 hour before trying again. Recommended intervals are:

- Immediately
- 1 hour
- 4 hours
- 12 hours

If the payment status does not change to COMPLETED after 12 hours, do not send further payment requests. After 12 hours, the status changes to ABANDONED.



### Note

When the payment status is COMPLETED or ABANDONED it appears in the Payment Events report. For more information regarding the Payment Events report, see the *Classic Reporting Developer Guide* ([PDF](#) | [HTML](#)).

## Refund Payment Service

A refund is a follow-on transaction that uses the request ID returned from the initiate payment request. The request ID links the refund transaction to the payment transaction.



**Important**

CyberSource recommends that the payment status must be COMPLETED before refunding a payment and returning funds to the customer account. Before refunding a payment, request the Check Status service to retrieve the status of the payment.

## Supported Payment Types

Alipay International Services support two payment types: web payments and mobile payments.

**Table 2 Supported Payment Types**

Payment Type	Description
Web Payment	<p>The payment flow is optimized for a browser displayed on a personal computer or laptop.</p> <p>Include the APY value in the <b>apPaymentType</b> request field for the Initiate Payment request, the follow-on Check Payment Status request, and the Refund request.</p>
Mobile Payment	<p>The payment flow is optimized for a browser displayed on a mobile device.</p> <p>Include the AYM value in the <b>apPaymentType</b> request field for the Initiate Payment request, the follow-on Check Payment Status request, and the Refund request.</p>

## RMB Pricing



**Important**

You must contact CyberSource Customer Support to enable your merchant account for RMB pricing.

As a merchant, you can offer to sell a product at a fixed RMB price and then settle the transaction in your specified settlement currency. The settlement currency must be supported by Alipay. See "[Supported Currencies and Amounts](#)," page 14. RMB pricing is available for the initiate payment service and the refund payment service.

## Creating an Alipay Account



Creating an Alipay account can take as long as 4 weeks.

**Important**

### To create an Alipay account:

- Step 1** Contact CyberSource Sales for a CyberSource Gateway agreement and an Alipay Merchant agreement.
- Step 2** Complete both agreements.
- Step 3** CyberSource Sales submits all documentation to Alipay for approval. When approval is complete, you receive your Alipay merchant ID and password.
- Step 4** Before CyberSource can implement the Alipay services, you must contact Customer Support to:
  - Configure your merchant account for the Alipay services.
  - Specify your allocated Alipay merchant ID, merchant password, and seller email.
  - Specify your merchant password key.
  - Specify your Alipay return URL—override this URL by specifying the return URL in the `apInitiateService_returnURL` field. See "`apInitiateService_returnURL`," page 24.

## Funding an Alipay Account

**Table 3 Funding Options**

Funding Option	Description
Alipay online payment	Log in to your Alipay account to increase your account balance, transfer funds to another account, receive funds (provided you have completed the real-name verification), pay bills directly, or divide bills between parties.
China Union Pay Debit Card Payment	All debit card transactions are processed in real time. Alipay accepts debit cards from more than 100 financial institutions.
Credit card (CUP card) payment	All credit card transactions are processed in real time. Internationally issued credit cards are not accepted for processing international transactions.

**Table 3 Funding Options (Continued)**

Funding Option	Description
Offline payment	Alipay is partnered with the Chinese Postal ePost offices, enabling you to purchase products online or pay with cash at any ePost office.
Visa/MasterCard/JCB Card	All Visa/MasterCard/JCB credit and debit cards issued in China.

## Supported Currencies and Amounts

**Table 4 Supported Currencies**

Abbreviation	Currency	Decimal	Minimum Amount
AUD	Australian dollar	2	0.01
CAD	Canadian dollar	2	0.01
CHF	Swiss franc	2	0.01
DKK	Danish krone	2	0.01
EUR	Euro	2	0.01
GBP	British pound sterling	2	0.01
HKD	Hong Kong dollar	2	0.01
JPY	Japanese yen	0	1
NOK	Norwegian krone	2	0.01
NZD	New Zealand dollar	2	0.01
SEK	Swedish krona	2	0.01
SGD	Singapore dollar	2	0.01
THB	Thai baht	2	0.01
USD	United States dollar	2	0.01

## Alipay Supported Browsers

- Internet Explorer
- Sogou
- Maxthon
- Firefox
- Safari

# Processing Alipay Transactions

## Initiating a Payment

---

To initiate a payment:

---

**Step 1** Set the **apInitiateService\_run** field to **true**.

**Step 2** Include the following fields in the request:

- **merchantID**
- **merchantReferenceCode**
- **apPaymentType**



Set the value of the **apPaymentType** field to APY for a web payment or AYM for a mobile payment. The same value must be used in the follow-on Check Payment Status request and the Refund request.

---

- **apInitiateService\_productName**
- **apInitiateService\_productDescription**—optional. See ["Working with Multibyte Character Strings," page 23](#) ["Working with Multibyte Character Strings," page 23](#).
- **apInitiateService\_returnURL**
- **item\_#\_unitPrice**
- **item\_#\_productSKU**
- **item\_#\_quantity**
- **purchaseTotals\_currency**
- ["Working with Multibyte Character Strings," page 23](#) **purchaseTotals\_grandTotalAmount**

**Step 3** Include the following optional fields when you do not have a contract with Alipay and you have an acquirer for funding:

- **invoiceHeader\_submerchantName**
- **invoiceHeader\_submerchantID**

For detailed descriptions of all request and reply fields, see ["API Fields," page 23](#). For an Initiate Payment example, see [page 30](#).

---

### To initiate a payment with RMB pricing:

---

**Step 1** Set the `apInitiateService_run` field to `true`.

**Step 2** Include the following fields in the request:

- `merchantID`
- `merchantReferenceCode`
- `apPaymentType`



**Important**

Set the value of the `apPaymentType` field to APY for a web payment or AYM for a mobile payment. The same value must be used in the follow-on Check Payment Status request and the Refund request.

---

- `apInitiateService_productName`
- `apInitiateService_productDescription`—optional. See ["Working with Multibyte Character Strings," page 23](#).
- `apInitiateService_returnURL`
- `item_#_unitPrice`
- `item_#_productSKU`
- `item_#_quantity`
- `purchaseTotals_currency`
- `ap_settlementCurrency`—see ["RMB Pricing," page 12](#).
- `purchaseTotals_grandTotalAmount`

**Step 3** Include the following optional fields when you do not have a contract with Alipay and you have an acquirer for funding:

- `invoiceHeader_submerchantName`
- `invoiceHeader_submerchantID`

For detailed descriptions of all request and reply fields, see ["API Fields," page 23](#). For an Initiate Payment example, see [page 30](#).

---



## Checking Payment Status

---

To check the status of a payment:

---

**Step 1** Set the **apCheckStatusService** field to **true**.

**Step 2** Include the following fields in the request:

- **merchantID**
- **merchantReferenceCode**
- **apPaymentType**



Set the value of the **apPaymentType** field to APY for a web payment or AYM for a mobile payment. This value must match the value used in the Initiate Payment request.

---

- **apCheckStatusService\_apInitiateRequestID** (returned in the initiate payment service reply). See "Reply Fields," page 27.

For detailed descriptions of all request and reply fields, see "API Fields," page 23. For a Check Status example, see page 34.

---

## Refunding a Payment

---

To refund a payment:

---

**Step 1** Set the **apRefundService\_run** field to **true**.

**Step 2** Include the following fields in the request:

- **merchantID**
- **merchantReferenceCode**
- **apPaymentType**



Set the value of the **apPaymentType** field to APY for a web payment or AYM for a mobile payment. This value must match the value used in the InitiatePayment request.

---

- **apRefundService\_requestID**
- **apRefundService\_reason**
- **purchaseTotals\_currency**
- **purchaseTotals\_grandTotalAmount**

For detailed descriptions of all request and reply fields, see ["API Fields," page 23](#). For a Refund Payment example, see [page 36](#).

---

### To refund a payment using RMB pricing:

---

**Step 1** Set the **apRefundService\_run** field to **true**.

**Step 2** Include the following fields in the request:

- **merchantID**
- **merchantReferenceCode**
- **apPaymentType**



**Important**

Set the value of the **apPaymentType** field to APY for a web payment or AYM for a mobile payment. This value must match the value used in the Initiate Payment request.

---

- **apRefundService\_requestID**
- **apRefundService\_reason**
- **purchaseTotals\_currency**
- **ap\_settlementCurrency**—see ["RMB Pricing," page 12](#).
- **purchaseTotals\_grandTotalAmount**

For detailed descriptions of all request and reply fields, see ["API Fields," page 23](#). For a Refund Payment example, see [page 36](#).

---

### To refund a transaction using the Business Center:

---

**Step 1** In the left navigation panel, choose **Transaction Search > General Search**. The General Search page appears.

**Step 2** Check **Search for an application or transaction type**.

**Step 3** Select **Alternative Payment Initiate**.

**Step 4** Select a date range: select the date and time interval for your search, from transactions processed during the past hour to those from the previous 1-6 months or a custom range that you define.

**Step 5** Click **Search**. The Transaction Search Results page appears.

**Step 6** Click the transaction **request ID** link. The Transaction Search Details page appears.

- Step 7** Under the heading Available Actions, click **Refund**. The Alipay Refund page appears.
- Step 8** Enter the refund amount.
- Step 9** Enter a reason for the refund. This step is optional.
- Step 10** Click **Refund**. The Transaction Search Details page appears.
- 

## Viewing Transactions in the Business Center

---

Log in to the Business Center to search for and view transactions. Use the transaction search option to find and view transactions that you need to review or refund.

### To find and view a transaction:

---

- Step 1** Log in to the Business Center:
- Live merchant transactions: <https://ebc.cybersource.com>
  - Test merchant transactions: <https://ebctest.cybersource.com>
- Step 2** In the left navigation panel, choose **Transaction Search > General Search**. The General Search page appears.
- Step 3** Check **Search for an application or transaction type**.
- Step 4** Select one of the following transaction types:
- Alternative Payment Initiate
  - Alternative Payment Refund
  - Alternative Payment Status
- Step 5** Select a date range: select the date and time interval for your search, from transactions processed during the past hour to those from the previous 1-6 months or a custom range that you define.
- Step 6** Click **Search**. The Transaction Search Results page appears.
- Step 7** Click the **request ID** link of the transaction. The Transaction Search Details page appears.

# Testing Alipay Services

**Important**

There is no Alipay test environment. The following steps simulate customer interaction with Alipay.

---

**To test Alipay services:**

---

**Step 1** Create an HTML file and add the following code:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
  <head>
    <title>This is an Alipay Simulator. No action is required.</title>
    <script type="text/javascript">
      // Parse GET parameters
      window.params = function()
      {
        var parameters = {};
        var urlData = window.location.href.split('?')[1].split('&');
        for(var i in urlData)
        {
          x = urlData[i].split('=');
          parameters[x[0]] = x[1];
        }
        return parameters;
      }();
      // Redirect to HTTP GET "return_url" value
      function Redirect()
      {
        window.location = decodeURIComponent((window.params.return_url).replace(/\+/g, '%20'));
      }
    </script>
  </head>
  <body onLoad="setTimeout('Redirect()', 3000)">
    <p>This is an Alipay Simulator. No action is required.</p>
  </body>
</html>
```

- Step 2** Save the Alipay simulator file on your web server.
- Step 3** Send an initiate payment service request. See "Initiating a Payment," page 15. Use the test URL:
- <https://ics2wstesta.ic3.com/commerce/1.x/transactionProcessor>
- Step 4** Edit the `apInitiateReply_merchantURL` information in the response field to redirect to the Alipay simulator. Replace `https://mapi.alipay.com/gateway.do` with the location of the simulator file that you saved on your web server.

#### Example 1 Merchant URL Response Information

```
https://mapi.alipay.com/gateway.do?_input_charset=UTF-8&body=1+Lime+Green+Widget&currency=GBP&notify_url=http%3A%2F%2Fwww.cybersource.com&out_trade_no=SEE1Y0Z8T2GG&partner=2088101000922533&return_url=http%3A%2F%2Flocalhost%2Fpay%2FAlipay_return.jsp&service=create_forex_trade&subject=The+Widget+Store&total_fee=10.00&sign=f82cd981e47b0c380a7084aef25ff74f&sign_type=RSA
```

## Simulating Response Messages

### Check Status Response

By including a predetermined value in the `apInitiateService_reconciliationID` request field, you can generate specific responses in the check status transaction reply message.

#### To simulate a payment check status response:

- Step 1** Request the initiate payment service. Include one of the following reconciliation id numbers in the request for the appropriate response. See [Table 5](#).
- Step 2** Request the check status service and include the request ID returned from the initiate payment request.

**Table 5 Trigger Values**

Initiate Payment Request API Field	Check Status Reply API Field	reasonCode
<code>apInitiateService_reconciliationID=333333333401</code>	<code>apCheckStatusReply_paymentStatus=COMPLETED</code>	100
<code>apInitiateService_reconciliationID=333333333402</code>	<code>apCheckStatusReply_paymentStatus=PENDING</code>	100

**Table 5 Trigger Values (Continued)**

Initiate Payment Request API Field	Check Status Reply API Field	reasonCode
apInitiateService_ reconciliationID=333333333403	apCheckStatusReply_ paymentStatus=ABANDONED	100
apInitiateService_ reconciliationID=333333333429	—	102

## Refund Response

By including a predetermined value in the **purchaseTotals\_grandTotalAmount** request field, you can generate specific responses in the refund transaction reply message.

### To simulate a refund payment response:



Any refund amount between 10 and 19 triggers a specific error response.

- Step 1** Request the initiate payment service. See ["Initiating a Payment," page 15](#).
- Step 2** Request the refund service and include the request ID returned from the initiate payment request. See ["Refunding a Payment," page 17](#). Include one of the following amounts in the refund request to receive the specific response.

**Table 6 Refund Amount Trigger Values**

Refund Request API Field	Refund Reply API Field
purchaseTotals_grandTotalAmount=10	decision=ACCEPT
purchaseTotals_grandTotalAmount=11	decision=REJECT

# API Fields

## Working with Multibyte Character Strings

Many international languages – such as Korean, Chinese, and Russian – require more than one ASCII byte per character. Therefore, a string of multibyte characters can exceed the allotted string length of some API fields.

In many international languages, a short name that visually has only 3 or 4 characters may be equivalent to 10 or 15 bytes in UTF-8. Therefore, it is important to take into consideration the overall length of a multibyte string to be sure it fits into the allotted ASCII string length.



**Important**

For best success when working with international languages, make sure the total size of a multibyte string does not exceed the ASCII string length for a specific API field.

## Request Fields

For more information about these data types, see the [World Wide Web Consortium \(W3C\) XML Schema Part 2: Datatypes Second Edition](#).

**Table 7 Data Type Definitions**

Data Type	Description
Date and time	Format is YYYY-MM-DDThh:mm:ssZ, where: <ul style="list-style-type: none"> <li>■ T separates the date and the time</li> <li>■ Z indicates Coordinated Universal Time (UTC), also known as Greenwich Mean Time (GMT)</li> </ul> <p><b>Example</b> 2019-08-11T22:47:57Z equals August 11, 2019, at 22:47:57 (10:47:57 p.m.).</p>
Integer	Whole number {..., -3, -2, -1, 0, 1, 2, 3, ...}
String	Sequence of letters, numbers, spaces, and special characters

Table 8 Request Fields

Field Name	Description	Used By: Required (R) or Optional (O)	Data Type & Length
apCheckStatusService_ apInitiateRequestID	Identifier returned from the initiate payment service request.	Check Status (R)	String (32)
apCheckStatusService_run	The check status service. Possible values: <ul style="list-style-type: none"> <li>■ true: Include the service in your request.</li> <li>■ false (default): Do not include the service in your request.</li> </ul>	Check Status (R)	String (5)
apInitiateService_ productDescription	Description of the product offered to the customer.	Initiate Payment (O)	String (65)
apInitiateService_productName	Product offered to the customer.	Initiate Payment (R)	String (35)
apInitiateService_returnURL	URL of the web page to which the customer is directed when the transaction is completed. <b>Important</b> This URL overrides the URL that was set up when the merchant account was created.	Initiate Payment (O)	String (200)
apInitiateService_run	The initiate payment service. Possible values: <ul style="list-style-type: none"> <li>■ true: Include the service in your request.</li> <li>■ false (default): Do not include the service in your request.</li> </ul>	Initiate Payment (R)	String (5)
apRefundService_run	The refund payment service. Possible values: <ul style="list-style-type: none"> <li>■ true: Include the service in your request.</li> <li>■ false (default): Do not include the service in your request.</li> </ul>	Refund (R)	String (5)
apRefundService_ apInitiateRequestID	Identifier returned from the initiate payment service request.	Refund (R)	String (26)
apRefundService_reason	Text describing the reason for the refund.	Refund (R)	String (100)



Table 8 Request Fields (Continued)

Field Name	Description	Used By: Required (R) or Optional (O)	Data Type & Length
apRefundService_returnRef	Merchant-generated reference for the refund. CyberSource recommends that you send a unique value for each refund so that you can perform meaningful searches for the transaction. CyberSource generates a refund return reference number if this field is not populated.	Refund (R)	String (32)
ap_settlementCurrency	Currency used for settling the transaction. See <a href="#">"RMB Pricing," page 12.</a>	Initiate Payment (O) Refund (O)	String (10)
apPaymentType	Identifier for the payment type. Values: <ul style="list-style-type: none"> <li>■ APY: web payment</li> <li>■ AYM: mobile payment</li> </ul>	Initiate Payment (R) Check Status (R) Refund (R)	String (3)
item_#_productSKU	Identification code for the product.	Initiate Payment (R)	String (255)
item_#_quantity	The default is 1.  The maximum number of offers you can send is 5. If there are more than 5 items, send information for the first 5 items.	Initiate Payment (R)	Nonnegative integer (10)
item_#_unitPrice	Per-item price of the product. This value cannot be negative. You can include a decimal point (.), but you cannot include any other special characters. CyberSource truncates the amount to the correct number of decimal places.	Initiate Payment (R)	Decimal (15)
invoiceHeader_submerchantID	The ID you assigned to your sub-merchant.  <b>Note</b> CyberSource recommends sending this field when you do not have a contract with Alipay, and you have an acquirer for funding.	Initiate Payment (O)	String (64)

Table 8 Request Fields (Continued)

Field Name	Description	Used By: Required (R) or Optional (O)	Data Type & Length
invoiceHeader_ submerchantName	Sub-merchant's business name.  <b>Note</b> CyberSource recommends sending this field when you do not have a contract with Alipay, and you have an acquirer for funding.	Initiate Payment (O)	String (64)
merchantID	Your CyberSource merchant ID.	Initiate Payment (R) Check Status (R) Refund (R)	String (50)
merchantReferenceCode	Merchant-generated order reference or tracking number. CyberSource recommends that you send a unique value for each transaction so that you can perform meaningful searches for the transaction. For more information about tracking orders, see <i>Getting Started with CyberSource Advanced for the Simple Order API</i> ( <a href="#">PDF</a>   <a href="#">HTML</a> ).	Initiate Payment (R) Check Status (R) Refund (R)	String (50)
purchaseTotals_ currency	Currency used for the order. See " <a href="#">Supported Currencies and Amounts</a> ," page 14.	Initiate Payment (R) Refund (R)	String (10)
purchaseTotals_ grandTotalAmount	Grand total for the order. For information about items and grand totals, see <i>Getting Started with CyberSource Advanced for the Simple Order API</i> ( <a href="#">PDF</a>   <a href="#">HTML</a> ).	Initiate Payment (R) Refund (R)	String (10)

## Reply Fields

**Table 9** Reply Fields

Field Name	Description	Returned By	Data Type & Length
apCheckStatusReply_reasonCode	Numeric value corresponding to the result of the <b>apCheckStatusService_run</b> request. See " <a href="#">Reason Codes</a> ," <a href="#">page 29</a> .	Check Status	Integer (5)
apCheckStatusReply_reconciliationID	Reference number that you use to reconcile your CyberSource reports with your AliPay reports. For more information about tracking orders, see <i>Getting Started with CyberSource Advanced for the Simple Order API</i> ( <a href="#">PDF</a>   <a href="#">HTML</a> ).	Check Status	String (32)
apCheckStatusReply_paymentStatus	Description of the payment status. Possible values: <ul style="list-style-type: none"> <li>■ PENDING: Payment has not been processed.</li> <li>■ COMPLETED: Payment is complete.</li> <li>■ ABANDONED: Customer cancelled the payment.</li> </ul>	Check Status	String (15)
apCheckStatusReply_processorTransactionID	AliPay unique identification for the check status service request.	Check Status	String (28)
apInitiateReply_merchantURL	Redirect URL to the AliPay web site to confirm the transaction. See " <a href="#">Merchant URL Parameters</a> ," <a href="#">page 10</a> .	Initiate Payment	
apInitiateReply_reasonCode	Numeric value corresponding to the result of the <b>apInitiateService_run</b> request.	Initiate Payment	Integer (5)
apInitiateReply_reconciliationID	Reference number that you use to reconcile your CyberSource reports with your AliPay reports. For more information about tracking orders, see <i>Getting Started with CyberSource Advanced for the Simple Order API</i> ( <a href="#">PDF</a>   <a href="#">HTML</a> ).	Initiate Payment	String (32)

Table 9 Reply Fields (Continued)

Field Name	Description	Returned By	Data Type & Length
decision	One-word description of the request result.	Initiate Payment Check Status Refund	String (50)
merchantReferenceCode	Order reference or tracking number that you provided in the request. For more information about tracking orders, see <i>Getting Started with CyberSource Advanced for the Simple Order API</i> ( <a href="#">PDF</a>   <a href="#">HTML</a> ).	Initiate Payment Check Status Refund	String (50)
reasonCode	Numeric value corresponding to the result of the request. See <a href="#">"Reason Codes," page 29</a> .	Initiate Payment Check Status Refund	Integer (5)
request_id	Identifier for the request generated by the client.	Initiate Payment Check Status Refund	String (32)
purchaseTotals_currency	Currency used for the order. See <a href="#">"Supported Currencies and Amounts," page 14</a> .	Initiate Payment Check Status Refund	String (10)
apRefundReply_returnRef	Reference for the refund. CyberSource generates a the reference if this field is not populated.	Refund	String (32)
apRefundReply_reasonCode	Numeric value corresponding to the result of the <b>apRefundService_run</b> request.	Refund	Integer (5)
apRefundReply_reconciliationID	Reference number that you use to reconcile your CyberSource reports with your AliPay reports. For more information about tracking orders, see <i>Getting Started with CyberSource Advanced for the Simple Order API</i> ( <a href="#">PDF</a>   <a href="#">HTML</a> ).	Refund	String (32)
apRefundReply_dateTime	Date and time of refund. It is Beijing time.  Format: YYYYMMDDHHMMSS	Refund	String (14)
apRefundReply_amount	The total refund amount.	Refund	Numeric (15)

## Reason Codes

---

Reason Code	Description
100	Accept.
101	Reject:
102	■ One or more required fields in the request are missing.
233	■ One or more fields in the request contain invalid information. ■ General decline by the processor.
150	Error.  Possible error: payment processor error due a non-existent transaction (TRADE_NOT_EXIST).

# Examples

## XML Examples

---

### Initiate Payment Examples

#### Web Payment

##### Example 2 Initiate Web Payment Request

---

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.75">
  <merchantID>ni_Alipay</merchantID>
  <merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</merchantReferenceCode>
  <item id="0">
    <unitPrice>20.00</unitPrice>
    <quantity>1</quantity>
    <productSKU>abc123</productSKU>
  </item>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <apPaymentType>APY</apPaymentType>
  <apInitiateService run="true">
    <returnURL>http://www.example.com</returnURL>
    <productName>Book</productName>
    <productDescription>Vintage</productDescription>
    <reconciliationID>123456789</reconciliationID>
  </apInitiateService>
</requestMessage>
```

---

**Example 3 Initiate Payment Reply**


---

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <c:merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</c:merchantReferenceCode>
  <c:requestID>3305996802900168624917</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:apInitiateReply>
    <c:merchantURL><https://mapi.alipay/gateway.do?_input_charset=UTF-
      8&body=1+Lime+Green+Widget&currency=GBP&notify_
      url=http%3A%2F%2Fwww.cybersource.com&out_trade_
      no=SEE1Y0Z8T2GG&partner=2088101000922533&return_
      url=http%3A%2F%2Flocalhost%2Fpay%2FAlipay_ return.jsp&service=create_
      forex_trade&subject=The+Widget+Store&total_
      fee=10.00&sign=f82cd981e47b0c380a7084aef25ff74f&sign_type=RSA>
    </c:merchantURL>
    <reconciliationID>123456789</reconciliationID>
    <c:reasonCode>100</c:reasonCode>
  </c:apInitiateReply>
</c:replyMessage>

```

---

**Example 4 Initiate Payment with RMB Pricing Request**


---

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.75">
  <merchantID>ni_Alipay</merchantID>
  <merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</merchantReferenceCode>
  <item id="0">
    <unitPrice>20.00</unitPrice>
    <quantity>1</quantity>
    <productSKU>abc123</productSKU>
  </item>
  <purchaseTotals>
    <currency>CNY</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <ap>
    <settlementCurrency>USD</settlementCurrency>
  </ap>
  <apPaymentType>APY</apPaymentType>
  <apInitiateService run="true">
    <returnURL>http://www.example.com</returnURL>
    <productName>Book</productName>
    <productDescription>Vintage</productDescription>
    <reconciliationID>123456789</reconciliationID>
  </apInitiateService>
</requestMessage>

```

---

**Example 5 Initiate Payment with RMB Pricing Reply**


---

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <c:merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</c:merchantReferenceCode>
  <c:requestID>3305996802900168624917</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:apInitiateReply>
    <c:merchantURL><https://mapi.alipay.com/
      gateway.do?body=Vintage&currency=USD&notify_
      url=http%3A%2F%2Fwww.cybersource.com&out_trade_
      no=123456789&partner=2088101000922533&return_
      url=http%3A%2F%2Fwww.example.com&service=create_forex_
      trade&subject=Book&total_
      fee=60.00&sign=26d23d6ed94c89784ee5b3d40334b576&sign_type=MD5>
    </c:merchantURL>
    <reconciliationID>123456789</reconciliationID>
    <c:reasonCode>100</c:reasonCode>
  </c:apInitiateReply>
</c:replyMessage>

```

---

## Mobile Payment

**Example 6 Initiate Mobile Payment Request**


---

```

<?xml version="1.0" encoding="UTF-8"?><requestMessage xmlns="urn:schemas-
cybersource-com:transaction-data-1.119">
  <merchantID>ni_alipay</merchantID>
  <merchantReferenceCode>TC67855-1</merchantReferenceCode>
  <item id="0">
    <unitPrice>20.00</unitPrice>
    <quantity>1</quantity>
    <productSKU>abc123</productSKU>
  </item>
  <purchaseTotals>
    <currency>usd</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <apPaymentType>aym</apPaymentType>
  <apInitiateService run="true">
    <returnURL>http://localhost/pay/alipay_return.jsp</returnURL>
    <productName>Book</productName>
    <productDescription>Vintage</productDescription>
    <reconciliationID>33333333401</reconciliationID>
  </apInitiateService>
</requestMessage>

```

---



**Example 7     Initiate Mobile Payment Reply**


---

```

<?xml version="1.0" encoding="UTF-8"?><c:replyMessage xmlns:c="urn:schemas-
cybersource-com:transaction-data-1.119">
  <c:merchantReferenceCode>TC67855-1</c:merchantReferenceCode>
  <c:requestID>438422132429500001540</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:apInitiateReply>
    <c:reasonCode>100</c:reasonCode>
    <c:merchantURL>https://mapi.alipay.com/gateway.do?_input_charset=UTF-
8&amp;body=Vintage&amp;currency=USD&amp;notify_
url=https%3A%2F%2Fpnr.ic3.com%2Fpnr%2Fv1%2Fgateway%2Falipay%2Fpayment%2F104400
859379605000001737&out_trade_no=333333333401&amp;partner=2088101000
922533&amp;return_url=http%3A%2F%2Flocalhost%2Fpay
%2Falipay_return.jsp&amp;service=create_forex_trade_
wap&amp;subject=Book&amp;total_
fee=48.95&amp;sign=FaiVy%2BEROisu%2FTNTLl2B%2Bg%2F80rJ
%2FMWdFqZ1SZPxM616S%2FlsEUxsF8OgZymCLk3xw8K4MPevMmNMk%0D%0AHcvzk
%2FreHDOjsOZdq0Gcom%2Ff6zbxen%2BBnNnSSLoEdUJ8v%2BWni38EyALesvAT44k
%2BuhpTC4gt98K%0D%0Adbg5CNkkUod3GpBkrl0
%2BmuLWwkNAGTG0zaMmeoQds01SVUWQleYQ5a0Akc43dUZx5LBS%2Fd2eWF0B%0D%0A
%2FzDVn001KYCaxGCqmrWBa407WNibo18ZYI8RVTe2NezaXqUQRf5q9%2BugmOsropRk
%2FhjTrNBEvIW%0D%0AhY0oIVKU8GK21z1CaXJoGya3xPiqT5khhX8YHA%3D
%3D&amp;sign_type=RSA</c:merchantURL>
    <c:reconciliationID>333333333401</c:reconciliationID>
  </c:apInitiateReply>
</c:replyMessage>

```

---

## Check Payment Status

### Web Payment

#### Example 8 Check Web Payment Status Request

---

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.75">
  <merchantID>ni_Alipay</merchantID>
  <merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</merchantReferenceCode>
  <apPaymentType>APY</apPaymentType>
  <apCheckStatusService run="true">
    <apInitiateRequestID>123456789012932409425</apInitiateRequestID>
  </apCheckStatusService>
</requestMessage>
```

---

#### Example 9 Check Web Payment Status Reply

---

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <c:merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</c:merchantReferenceCode>
  <c:requestID>123456789012932409425</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:apCheckStatusReply>
    <reconciliationID>123456789</reconciliationID>
    <c:reasonCode>100</c:reasonCode>
    <c:paymentStatus>PAYMENT_COMPLETED</c:paymentStatus>
    <c:processorTransactionID>2012011808152910</c:processorTransactionID>
  </c:apCheckStatusReply>
</c:replyMessage>
```

---

## Mobile Payment

### Example 10 Check Mobile Payment Status Request

---

```
<?xml version="1.0" encoding="UTF-8"?><requestMessage xmlns="urn:schemas-
cybersource-com:transaction-data-1.119">
  <merchantID>ni_alipay</merchantID>
  <merchantReferenceCode>TC67855-1</merchantReferenceCode>
  <apPaymentType>aym</apPaymentType>
  <apCheckStatusService run="true">
    <apInitiateRequestID>4384221324295000001540</apInitiateRequestID>
  </apCheckStatusService>
</requestMessage>
```

---

### Example 11 Check Mobile Payment Status Reply

---

```
<?xml version="1.0" encoding="UTF-8"?><c:replyMessage xmlns:c="urn:schemas-
cybersource-com:transaction-data-1.119">
  <c:merchantReferenceCode>TC67855-1</c:merchantReferenceCode>
  <c:requestID>4384221354305000001540</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:apCheckStatusReply>
    <c:reasonCode>100</c:reasonCode>
    <c:reconciliationID>33333333401</c:reconciliationID>
    <c:paymentStatus>COMPLETED</c:paymentStatus>
    <c:processorTransactionID>2012011808153910011808153910</
    c:processorTransactionID>
  </c:apCheckStatusReply>
</c:replyMessage>
```

---

## Refund Request

### Web Payment

#### Example 12 Refund Request

---

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.75">
  <merchantID>ni_Alipay</merchantID>
  <merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <apPaymentType>APY</apPaymentType>
  <apRefundService run="true">
    <apInitiateRequestID>3305996802900168624917</apInitiateRequestID>
    <reason>Damaged Goods</reason>
    <returnRef>123456789</returnRef>
  </apRefundService>
</requestMessage>
```

---

#### Example 13 Refund Reply

---

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <c:merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</c:merchantReferenceCode>
  <c:requestID>3305996802900168624917</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <c:apRefundReply>
    <reconciliationID>123456789</reconciliationID>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>60.00</c:amount>
    <c:dateTime>60.00</c:dateTime>
    <c:returnRef>123456789</c:returnRef>
  </c:apRefundReply>
</c:replyMessage>
```

---

**Example 14 Refund with RMB Pricing Request**


---

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.75">
  <merchantID>ni_Alipay</merchantID>
  <merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</merchantReferenceCode>
  <purchaseTotals>
    <currency>CNY</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <ap>
    <settlementCurrency>USD</settlementCurrency>
  </ap>
  <apPaymentType>APY</apPaymentType>
  <apRefundService run="true">
    <apInitiateRequestID>3305996802900168624917</apInitiateRequestID>
    <reason>Damaged Goods</reason>
    <returnRef>123456789</returnRef>
  </apRefundService>
</requestMessage>

```

---

**Example 15 Refund with RMB Pricing Reply**


---

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <c:merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</c:merchantReferenceCode>
  <c:requestID>3305996802900168624917</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <purchaseTotals>
    <currency>CNY</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <c:apRefundReply>
    <reconciliationID>123456789</reconciliationID>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>60.00</c:amount>
    <c:dateTime>60.00</c:dateTime>
    <c:returnRef>123456789</c:returnRef>
  </c:apRefundReply>
</c:replyMessage>

```

---

## Mobile Payment

### Example 16 Refund Request

---

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.75">
  <merchantID>ni_Alipay</merchantID>
  <merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <apPaymentType>AYM</apPaymentType>
  <apRefundService run="true">
    <apInitiateRequestID>3305996802900168624917</apInitiateRequestID>
    <reason>Damaged Goods</reason>
    <returnRef>123456789</returnRef>
  </apRefundService>
</requestMessage>
```

---

### Example 17 Refund Reply

---

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <c:merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</c:merchantReferenceCode>
  <c:requestID>3305996802900168624917</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <c:apRefundReply>
    <reconciliationID>123456789</reconciliationID>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>60.00</c:amount>
    <c:dateTime>60.00</c:dateTime>
    <c:returnRef>123456789</c:returnRef>
  </c:apRefundReply>
</c:replyMessage>
```

---

**Example 18 Refund with RMB Pricing Request**


---

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.75">
  <merchantID>ni_Alipay</merchantID>
  <merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</merchantReferenceCode>
  <purchaseTotals>
    <currency>CNY</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <ap>
    <settlementCurrency>USD</settlementCurrency>
  </ap>
  <apPaymentType>AYM</apPaymentType>
  <apRefundService run="true">
    <apInitiateRequestID>3305996802900168624917</apInitiateRequestID>
    <reason>Damaged Goods</reason>
    <returnRef>123456789</returnRef>
  </apRefundService>
</requestMessage>

```

---

**Example 19 Refund with RMB Pricing Reply**


---

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <c:merchantReferenceCode>482046C3A7E94F5BD1FE3C66C</c:merchantReferenceCode>
  <c:requestID>3305996802900168624917</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <purchaseTotals>
    <currency>CNY</currency>
    <grandTotalAmount>60.00</grandTotalAmount>
  </purchaseTotals>
  <c:apRefundReply>
    <reconciliationID>123456789</reconciliationID>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>60.00</c:amount>
    <c:dateTime>60.00</c:dateTime>
    <c:returnRef>123456789</c:returnRef>
  </c:apRefundReply>
</c:replyMessage>

```

---

## Name-Value Pair Examples

---

### Initiate Payment

#### Web Payment

##### Example 20 Initiate Payment Request

---

```

merchantID=ni_Alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
purchaseTotals_currency=USD
item_0_unitPrice=20.00
item_0_quantity=3
item_0_productSKU=abc123
purchaseTotals_grandTotalAmount=60.00
apPaymentType=APY
apInitiateService_run=true
apInitiateService_returnURL=www.example.com
apInitiateService_productName=Book
apInitiateService_productDescription=Vintage
apInitiateService_reconciliationID=123456789

```

---

##### Example 21 Initiate Payment Reply

---

```

merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
requestID=3305996802900168624917
decision=ACCEPT
reasonCode=100
apInitiateReply_merchantURL=https://mapi.alipay/gateway.do?_input_
charset=UTF-8&body=1+Lime+Green+Widget&currency=GBP&notify_
url=http%3A%2F%2Fwww.cybersource.com&out_trade_
no=SEE1Y0Z8T2GG&partner=2088101000922533&return_
url=http%3A%2F%2Flocalhost%2Fpay%2FAlipay_return.jsp&service=create_
forex_trade&subject=The+Widget+Store&total_
fee=10.00&sign=f82cd981e47b0c380a7084aef25ff74f&sign_type=MD5
apInitiateReply_reconciliationID=123456789
apInitiateReply_reasonCode=100

```

---



**Example 22 Initiate Payment with RMB Pricing Request**


---

```

merchantID=ni_Alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
purchaseTotals_currency=CNY
item_0_unitPrice=20.00
item_0_quantity=3
item_0_productSKU=abc123
purchaseTotals_grandTotalAmount=60.00
apPaymentType=APY
ap_settlementCurrency=USD
apInitiateService_run=true
apInitiateService_returnURL=www.example.com
apInitiateService_productName=Book
apInitiateService_productDescription=Vintage
apInitiateService_reconciliationID=123456789

```

---

**Example 23 Initiate Payment with RMB Pricing Reply**


---

```

merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
requestID=3305996802900168624917
decision=ACCEPT
reasonCode=100
apInitiateReply_merchantURL=https://mapi.alipay/gateway.do?_input_
charset=UTF-8&body=1+Lime+Green+Widget&currency=USD&notify_
url=http%3A%2F%2Fwww.cybersource.com&out_trade_
no=SEE1Y0Z8T2GG&partner=2088101000922533&return_
url=http%3A%2F%2Flocalhost%2Fpay%2FAlipay_return.jsp&service=create_
forex_trade&subject=The+Widget+Store&total_
fee=60.00&sign=f82cd981e47b0c380a7084aef25ff74f&sign_type=MD5
apInitiateReply_reconciliationID=123456789
apInitiateReply_reasonCode=100

```

---

## Mobile Payment

### Example 24 Initiate Payment Request

---

```

apInitiateService_productDescription=Vintage
apInitiateService_productName=Book
apInitiateService_returnURL=www.example.com
apPaymentType=aym
purchaseTotals_currency=usd
item_0_unitPrice=20.00
item_0_quantity=3
item_0_productSKU=abc123
purchaseTotals_grandTotalAmount=60.00
merchantID=ni_alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
apInitiateService_run=true

```

---

### Example 25 Initiate Payment Reply

---

```

apInitiateReply_reconciliationID=33333333401
apInitiateReply_merchantURL=https://mapi.alipay.com/gateway.do?_input_
charset=UTF-8&body=Vintage&currency=USD&notify_
url=https%3A%2F%2Fpnr.ic3.com%2Fpnr%2Fv1%2Fgateway%2Falipay%2Fpayment%2
F104411339902405000001737&out_trade_no=33333333401
&partner=2088101000922533&return_url=http%3A%2F%2F
localhost%2Fpay%2Falipay_return.jsp&service=create_forex_trade_
wap&subject=Book&total_fee=48.95&sign=kHL19hfAKA
bm5DEu19SxXNbLqfGrXhI6WyfTm2resf%2B6QWm13ckPwnb0Cmjw%2B%2FGssrEjGxRF%2F
4CK%0D%0AYM8jATLQvtBPJBSNYqqVoScHFw6ZN%2F7gZV0uEblSd%2FZ%2BbPlgSAJq3T%2
FipusAHDMD35%2B6uNbe%2Fk4B%0D%0ALiWRIBidQ%2BTCIX2mQNMsyK%2BP15aVBsPVo9W
eNjASPv3s2nj0KiZmIPhfr%2BXrU%2BpFC8tyDTs3JHE2%0D%0ASaPcmUOUigkYyeCd%2B%
2FD592XGvc8ON8woFQ6%2BBAjnvQHmPaBEFLVND8WwAOT8vo0BF477KmdScYR%0D%0Ar22
deFD7%2FZVzmhgkqBifxg%2FuWIH0oJvUVk2sg%3D%3D&sign_type=RSA
requestID=4411339906705000001540
apInitiateReply_reasonCode=100
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
reasonCode=100
decision=ACCEPT

```

---

**Example 26 Initiate Payment with RMB Pricing Request**


---

```

merchantID=ni_Alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
purchaseTotals_currency=CNY
purchaseTotals_grandTotalAmount=60.00
apPaymentType=AYM
ap_settlementCurrency=USD
item_0_unitPrice=20.00
item_0_quantity=3
item_0_productSKU=abc123
apInitiateService_run=true
apInitiateService_returnURL=www.example.com
apInitiateService_productName=Book
apInitiateService_productDescription=Vintage
apInitiateService_reconciliationID=123456789

```

---

**Example 27 Initiate Payment with RMB Pricing Reply**


---

```

merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
requestID=3305996802900168624917
decision=ACCEPT
reasonCode=100
apInitiateReply_merchantURL=https://mapi.alipay.com/gateway.do?_input_
charset=UTF-8&body=Vintage&currency=USD&notify_
url=https%3A%2F%2Fpnr.ic3.com%2Fpnr%2Fv1%2Fgateway%2Falipay%2Fpayment%2
F104411339902405000001737&out_trade_no=33333333401
&partner=2088101000922533&return_url=http%3A%2F%2F
localhost%2Fpay%2Falipay_return.jsp&service=create_forex_trade_
wap&subject=Book&total_fee=60.00&sign=kHL19hfAKA
bm5DEu19SxXNbLqfGrXhI6WYfTm2resf%2B6QWm13ckPwnb0Cmjw%2B%2FGssrEjGxRF%2F
4CK%0D%0AYM8jATLQvtBPJBSNYqqVoScHFw6ZN%2F7gZV0uEb1Sd%2FZ%2BbP1gSAJq3T%2
FipusAHDMD35%2B6uNbe%2Fk4B%0D%0ALiWRIBidQ%2BTCIX2mQNMsyK%2BP15aVBsPVo9W
eNjASPv3s2nj0KiZmIPhfr%2BXrU%2BpFC8tyDTs3JHE2%0D%0ASaPcmUOUigkYyeCd%2B%
2FD592XGvC8ON8woFQ6%2BBAjnvQHmPaBEFLVND8WwAOT8vo0BF477KmdScYR%0D%0Ar22
deFD7%2FZVzmhgkqBiffxg%2FuWIH0oJvUVk2sg%3D%3D&sign_type=RSA
apInitiateReply_reconciliationID=123456789
apInitiateReply_reasonCode=100

```

---

## Check Status

### Web Payment

#### Example 28 Check Status Request

---

```

merchantID=ni_Alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
apPaymentType=APY
apCheckStatusService_run=true
apCheckStatusService_apInitiateRequestID=3305996802900168624917

```

---

#### Example 29 Check Status Reply

---

```

decision=ACCEPT
requestID=3305996802900168624917
reasonCode=100
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
apCheckStatusReply_paymentStatus=COMPLETED
apCheckStatusReply_reasonCode=100
apCheckStatusReply_reconciliationID=123456789
apCheckStatusReply_processorTransactionID=2012011808152910

```

---

### Mobile Payment

#### Example 30 Check Status Request

---

```

merchantID=ni_Alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
apPaymentType=AYM
apCheckStatusService_run=true
apCheckStatusService_apInitiateRequestID=3305996802900168624917

```

---

#### Example 31 Check Status Reply

---

```

decision=ACCEPT
requestID=3305996802900168624917
reasonCode=100
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
apCheckStatusReply_paymentStatus=COMPLETED
apCheckStatusReply_reasonCode=100
apCheckStatusReply_reconciliationID=123456789
apCheckStatusReply_processorTransactionID=2012011808152910

```

---

## Refund Payment

### Web Payment

#### Example 32 Refund Reply

---

```

merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
requestID=3305996802900168624917
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=60.00
apRefundReply_reconciliationID=123456789
apRefundReply_reasonCode=100
apRefundReply_amount=60.00
apRefundReply_dateTime=2012-07-16T08:56:33Z
apRefundReply_returnRef=123456789

```

---

#### Example 33 Refund with RMB Pricing Request

---

```

merchantID=ni_Alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
purchaseTotals_currency=CNY
purchaseTotals_grandTotalAmount=60.00
apPaymentType=APY
ap_settlementCurrency=USD
apRefundService_run=true
apRefundService_apInitiateRequestID=3305996802900168624917
apRefundService_reason=Damaged Goods
apRefundService_returnRef=123456789

```

---

#### Example 34 Refund with RMB Pricing Reply

---

```

merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
requestID=3305996802900168624917
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=CNY
purchaseTotals_grandTotalAmount=60.00
apRefundReply_reconciliationID=123456789
apRefundReply_reasonCode=100
apRefundReply_amount=60.00
apRefundReply_dateTime=2012-07-16T08:56:33Z
apRefundReply_returnRef=123456789

```

---

## Mobile Payment

### Example 35 Refund Request

---

```

merchantID=ni_Alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=60.00
apPaymentType=AYM
apRefundService_run=true
apRefundService_apInitiateRequestID=3305996802900168624917
apRefundService_reason=Damaged Goods
apRefundService_returnRef=123456789

```

---

### Example 36 Refund Reply

---

```

merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
requestID=3305996802900168624917
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=60.00
apRefundReply_reconciliationID=123456789
apRefundReply_reasonCode=100
apRefundReply_amount=60.00
apRefundReply_dateTime=2012-07-16T08:56:33Z
apRefundReply_returnRef=123456789

```

---

### Example 37 Refund with RMB Pricing Request

---

```

merchantID=ni_Alipay
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
purchaseTotals_currency=CNY
purchaseTotals_grandTotalAmount=60.00
apPaymentType=AYM
ap_settlementCurrency=USD
apRefundService_run=true
apRefundService_apInitiateRequestID=3305996802900168624917
apRefundService_reason=Damaged Goods
apRefundService_returnRef=123456789

```

---

**Example 38 Refund with RMB Pricing Reply**

---

```
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
requestID=3305996802900168624917
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=CNY
purchaseTotals_grandTotalAmount=60.00
apRefundReply_reconciliationID=123456789
apRefundReply_reasonCode=100
apRefundReply_amount=60.00
apRefundReply_dateTime=2012-07-16T08:56:33Z
apRefundReply_returnRef=123456789
```

---