Alipay International Services

Using the Simple Order API

March 2019
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## Recent Revisions to This Document

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<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 2019</td>
<td>Added the following request fields. See &quot;Initiating a Payment,&quot; page 14, and &quot;Request Fields,&quot; page 22.</td>
</tr>
<tr>
<td></td>
<td>- invoiceHeader_submerchantID</td>
</tr>
<tr>
<td></td>
<td>- invoiceHeader_submerchantName</td>
</tr>
<tr>
<td></td>
<td>- item_#_productSKU</td>
</tr>
<tr>
<td></td>
<td>- item_#_quantity</td>
</tr>
<tr>
<td></td>
<td>- item_#_unitPrice</td>
</tr>
<tr>
<td></td>
<td>Updated initiate payment request examples. See &quot;Initiate Payment Examples,&quot; page 29.</td>
</tr>
<tr>
<td>January 2018</td>
<td>Updated the “Supported Currencies and Amounts” section. See page 13.</td>
</tr>
<tr>
<td>March 2017</td>
<td>Removed the “Merchant Notifications” section.</td>
</tr>
<tr>
<td></td>
<td>Removed the link to the <a href="#">New Business Center User Guide</a>.</td>
</tr>
<tr>
<td>October 2015</td>
<td>Added the “Merchant Notifications” section. See page 11.</td>
</tr>
<tr>
<td>September 2015</td>
<td>Added the “Supported Payment Types” section. See page 11.</td>
</tr>
<tr>
<td></td>
<td>Added an important note regarding the <strong>apPaymentType</strong> request field to the following sections:</td>
</tr>
<tr>
<td></td>
<td>- &quot;Initiating a Payment,&quot; page 14.</td>
</tr>
<tr>
<td></td>
<td>- &quot;Checking Payment Status,&quot; page 16.</td>
</tr>
<tr>
<td></td>
<td>- &quot;Refunding a Payment,&quot; page 16.</td>
</tr>
<tr>
<td></td>
<td>Added the mobile payment value AYM to the <strong>apPaymentType</strong> request field. See page 23.</td>
</tr>
<tr>
<td></td>
<td>Added the “Mobile Payment” XML examples:</td>
</tr>
<tr>
<td></td>
<td>- &quot;Initiate Mobile Payment Request,&quot; page 31.</td>
</tr>
<tr>
<td></td>
<td>- &quot;Check Mobile Payment Status Request,&quot; page 34.</td>
</tr>
<tr>
<td></td>
<td>- &quot;Refund Request,&quot; page 37.</td>
</tr>
<tr>
<td></td>
<td>Added the “Mobile Payment” Name-Value Pair examples:</td>
</tr>
<tr>
<td></td>
<td>- &quot;Initiate Payment Request,&quot; page 41.</td>
</tr>
<tr>
<td></td>
<td>- &quot;Check Status Request,&quot; page 43.</td>
</tr>
<tr>
<td></td>
<td>- &quot;Refund Request,&quot; page 45.</td>
</tr>
</tbody>
</table>
About This Guide

Audience and Purpose

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

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

An Important statement contains information essential to successfully completing a task or learning a concept.
Text and Command Conventions

<table>
<thead>
<tr>
<th>Convention</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bold</td>
<td>Field and service names; for example:</td>
</tr>
<tr>
<td></td>
<td>Include the requestID field.</td>
</tr>
<tr>
<td></td>
<td>Items that you are instructed to act upon; for example:</td>
</tr>
<tr>
<td></td>
<td>Click Save.</td>
</tr>
<tr>
<td>Screen text</td>
<td>XML elements.</td>
</tr>
<tr>
<td></td>
<td>Code examples and samples.</td>
</tr>
</tbody>
</table>

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

Customer Support

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

http://www.cybersource.com/support
Alipay International Services

Initiate Payment Service

The initiate payment service illustrated in Figure 1 is described in detail below.

Figure 1  Initiate Payment Service

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.
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.

   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 9. 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 10.

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 14.

**Merchant URL Parameters**

The merchant URL consists of the following parameters. See `apInitiateReply_merchantURL`, page 26.

<table>
<thead>
<tr>
<th>Table 1</th>
<th>Merchant URL Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Parameter</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>Alipay web site</td>
<td>mapi.alipay.com/gateway.do</td>
</tr>
<tr>
<td>Body</td>
<td>Description of the product purchased.</td>
</tr>
<tr>
<td>Currency</td>
<td>Currency used for the order.</td>
</tr>
<tr>
<td>Notify URL</td>
<td>URL for displaying notifications after the transaction is processed.</td>
</tr>
<tr>
<td>Out trade no</td>
<td>Unique transaction ID.</td>
</tr>
<tr>
<td>Partner</td>
<td>Merchant ID for Alipay.</td>
</tr>
</tbody>
</table>
Chapter 1  Using Alipay International Services

Check Status Service

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.

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).

Table 1  Merchant URL Parameters  (Continued)

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

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

RMB Pricing

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

Important
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 13. 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 22.

Funding an Alipay Account

Table 3  Funding Options

<table>
<thead>
<tr>
<th>Funding Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alipay online payment</td>
<td>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.</td>
</tr>
<tr>
<td>China Union Pay Debit Card Payment</td>
<td>All debit card transactions are processed in real time. Alipay accepts debit cards from more than 100 financial institutions.</td>
</tr>
<tr>
<td>Credit card (CUP card) payment</td>
<td>All credit card transactions are processed in real time. Internationally issued credit cards are not accepted for processing international transactions.</td>
</tr>
</tbody>
</table>
Table 3  Funding Options (Continued)

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

Supported Currencies and Amounts

Table 4  Supported Currencies

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

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`
- `apInitiateService_productDescription`
- `apInitiateService_returnURL`
- `item_#_unitPrice`
- `item_#_productSKU`
- `item_#_quantity`
- `purchaseTotals_currency`
- `purchaseTotals_grandTotalAmount`

![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.

**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 22. For an Initiate Payment example, see page 29.
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`
- `apInitiateService_productDescription`
- `apInitiateService_returnURL`
- `item_#_unitPrice`
- `item_#_productSKU`
- `item_#_quantity`
- `purchaseTotals_currency`
- `ap_settlementCurrency`—see "RMB Pricing," page 11.
- `purchaseTotals_grandTotalAmount`

**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.

**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 22. For an Initiate Payment example, see page 29.
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`

For detailed descriptions of all request and reply fields, see "API Fields," page 22. For a Check Status example, see page 33.

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`
- `apRefundService_requestID`
- `apRefundService_reason`

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.
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`
- `apRefundService_requestID`
- `apRefundService_reason`
- `purchaseTotals_currency`
- `ap_settlementCurrency`—see "RMB Pricing," page 11.
- `purchaseTotals_grandTotalAmount`

For detailed descriptions of all request and reply fields, see "API Fields," page 22. For a Refund Payment example, see page 35.

**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 theInitiate Payment request.

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.
Chapter 2  Processing Alipay Transactions

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.
To test Alipay services:

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

```html
<!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 14. 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


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

<table>
<thead>
<tr>
<th>Initiate Payment Request API Field</th>
<th>Check Status Reply API Field</th>
<th>reasonCode</th>
</tr>
</thead>
<tbody>
<tr>
<td>apInitiateService_reconciliationID=33333333401</td>
<td>apCheckStatusReply_paymentStatus=COMPLETED</td>
<td>100</td>
</tr>
<tr>
<td>apInitiateService_reconciliationID=33333333402</td>
<td>apCheckStatusReply_paymentStatus= PENDING</td>
<td>100</td>
</tr>
</tbody>
</table>
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.

**Important**

<table>
<thead>
<tr>
<th>Initiate Payment Request API Field</th>
<th>Check Status Reply API Field</th>
<th>reasonCode</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>apInitiateService_reconciliationID=33333333403</code></td>
<td><code>apCheckStatusReply_paymentStatus=ABANDONED</code></td>
<td>100</td>
</tr>
<tr>
<td><code>apInitiateService_reconciliationID=333333333429</code></td>
<td></td>
<td>102</td>
</tr>
</tbody>
</table>

**Step 1** Request the initiate payment service. See "Initiating a Payment," page 14.

**Step 2** Request the refund service and include the request ID returned from the initiate payment request. See "Refunding a Payment," page 16. Include one of the following amounts in the refund request to receive the specific response.

<table>
<thead>
<tr>
<th>Refund Request API Field</th>
<th>Refund Reply API Field</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>purchaseTotals_grandTotalAmount=10</code></td>
<td><code>decision=ACCEPT</code></td>
</tr>
<tr>
<td><code>purchaseTotals_grandTotalAmount=11</code></td>
<td><code>decision=REJECT</code></td>
</tr>
</tbody>
</table>
## 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

<table>
<thead>
<tr>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integer</td>
<td>Whole number {..., -3, -2, -1, 0, 1, 2, 3, ...}</td>
</tr>
<tr>
<td>String</td>
<td>Sequence of letters, numbers, spaces, and special characters</td>
</tr>
</tbody>
</table>

Table 8  Request Fields

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apCheckStatusService_</td>
<td>Identifier returned from the initiate payment service request.</td>
<td>Check Status (R)</td>
<td>String (32)</td>
</tr>
<tr>
<td>apInitiateRequestID</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>apCheckStatusService_run</td>
<td>The check status service. Possible values: false (default): Do not include the service in your request.</td>
<td>Check Status (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td>apInitiateService_</td>
<td>Description of the product offered to the customer.</td>
<td>Initiate Payment (O)</td>
<td>String (65)</td>
</tr>
<tr>
<td>productDescription</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>apInitiateService_</td>
<td>Product offered to the customer.</td>
<td>Initiate Payment (R)</td>
<td>String (35)</td>
</tr>
<tr>
<td>productName</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>apInitiateService_</td>
<td>URL of the web page to which the customer is directed when the transaction is completed.</td>
<td>Initiate Payment (O)</td>
<td>String (200)</td>
</tr>
<tr>
<td>returnURL</td>
<td>Important This URL overrides the URL that was set up when the merchant account was created.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 8  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apInitiateService_run</td>
<td>The initiate payment service. Possible values:</td>
<td>Initiate Payment (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>true: Include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>false (default): Do not include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apRefundService_run</td>
<td>The refund payment service. Possible values:</td>
<td>Refund (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>true: Include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>false (default): Do not include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apRefundService_reason</td>
<td>Text describing the reason for the refund.</td>
<td>Refund (R)</td>
<td>String (100)</td>
</tr>
<tr>
<td>apRefundService_returnRef</td>
<td>Merchant-generated reference for the refund. CyberSource recommends that you</td>
<td>Refund (R)</td>
<td>String (32)</td>
</tr>
<tr>
<td></td>
<td>send a unique value for each refund so that you can perform meaningful</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>searches for the transaction. CyberSource generates a refund return</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reference number if this field is not populated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ap_settlementCurrency</td>
<td>Currency used for settling the transaction. See &quot;RMB Pricing,&quot; page 11.</td>
<td>Initiate Payment (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td>apPaymentType</td>
<td>Identifier for the payment type. Values:</td>
<td>Initiate Payment (R)</td>
<td>String (3)</td>
</tr>
<tr>
<td></td>
<td>APY: web payment</td>
<td>Check Status (R)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AYM: mobile payment</td>
<td>Refund (R)</td>
<td></td>
</tr>
<tr>
<td>item_#_productSKU</td>
<td>Identification code for the product.</td>
<td>Initiate Payment (R)</td>
<td>String (255)</td>
</tr>
<tr>
<td>item_#_quantity</td>
<td>The default is 1. The maximum number of offers you can send is 5. If there</td>
<td>Initiate Payment (R)</td>
<td>Nonnegative integer (10)</td>
</tr>
<tr>
<td></td>
<td>are more than 5 items, send information for the first 5 items.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 8  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>item_{#}_unitPrice</td>
<td>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.</td>
<td>Initiate Payment (R)</td>
<td>Decimal (15)</td>
</tr>
<tr>
<td>invoiceHeader_submerchantID</td>
<td>The ID you assigned to your sub-merchant.</td>
<td>Initiate Payment (O)</td>
<td>String (64)</td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong> CyberSource recommends sending this field when you do not have a contract with Alipay, and you have an acquirer for funding.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>invoiceHeader_submerchantName</td>
<td>Sub-merchant’s business name.</td>
<td>Initiate Payment (O)</td>
<td>String (64)</td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong> CyberSource recommends sending this field when you do not have a contract with Alipay, and you have an acquirer for funding.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>merchantID</td>
<td>Your CyberSource merchant ID.</td>
<td>Initiate Payment (R)</td>
<td>String (50)</td>
</tr>
<tr>
<td></td>
<td>Check Status (R)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Refund (R)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>merchantReferenceCode</td>
<td>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 Getting Started with CyberSource Advanced for the Simple Order API (PDF</td>
<td>Initiate Payment (R)</td>
<td>String (50)</td>
</tr>
<tr>
<td></td>
<td>Check Status (R)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Refund (R)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>purchaseTotals_currency</td>
<td>Currency used for the order. See &quot;Supported Currencies and Amounts,&quot; page 13.</td>
<td>Initiate Payment (R)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>Refund (R)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 8  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>purchaseTotals_grandTotalAmount</td>
<td>Grand total for the order. For information about items and grand totals, see Getting Started with CyberSource Advanced for the Simple Order API (PDF</td>
<td>HTML).</td>
<td>Initiate Payment (R) Refund (R)</td>
</tr>
</tbody>
</table>
## Reply Fields

### Table 9  Reply Fields

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apCheckStatusReply_reasonCode</td>
<td>Numeric value corresponding to the result of the apCheckStatusService_run request. See &quot;Reason Codes,&quot; page 28.</td>
<td>Check Status</td>
<td>Integer (5)</td>
</tr>
<tr>
<td>apCheckStatusReply_reconciliationID</td>
<td>Reference number that you use to reconcile your CyberSource reports with your AliPay reports. For more information about tracking orders, see Getting Started with CyberSource Advanced for the Simple Order API (PDF</td>
<td>HTML).</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check Status</td>
<td>String (32)</td>
</tr>
</tbody>
</table>
| apCheckStatusReply_paymentStatus | Description of the payment status. Possible values:  
- PENDING: Payment has not been processed.  
- COMPLETED: Payment is complete.  
- ABANDONED: Customer cancelled the payment. | 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 website to confirm the transaction. See "Merchant URL Parameters," page 9. | Initiate Payment |                  |
| apInitiateReply_reasonCode       | Numeric value corresponding to the result of the apInitiateService_run 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 Getting Started with CyberSource Advanced for the Simple Order API (PDF | HTML). |
|                                  |                                                                              | Initiate Payment | String (32)        |
### Table 9  Reply Fields (Continued)

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

<table>
<thead>
<tr>
<th>Reason Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Accept.</td>
</tr>
<tr>
<td>101</td>
<td>Reject:</td>
</tr>
<tr>
<td>102</td>
<td>- One or more required fields in the request are missing.</td>
</tr>
</tbody>
</table>
| 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). |
XML Examples

Initiate Payment Examples

Web Payment

Example 2  Initiate Web Payment Request

```xml
<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

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <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&amp;body=1+Lime+Green+Widget&amp;currency=GBP&amp;notify_url=http%3A%2F%2Fwww.cybersource.com&amp;out_trade_no=SEE1Y0Z8T2GG&amp;partner=2088101000922533&amp;return_url=http%3A%2F%2Flocalhost%2Fpay%2FAlipay_return.jsp&amp;service=create_forex_trade&amp;subject=The+Widget+Store&amp;total_fee=10.00&amp;sign=f82cd981e47b0c380a7084ae25ff74f&amp;sign_type=RSA</c:merchantURL>
    <reconciliationID>123456789</reconciliationID>
  </c:apInitiateReply>
</c:replyMessage>
```

Example 4  Initiate Payment with RMB Pricing Request

```xml
<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:requestID>3305996802900168624917</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:apInitiateReply>
    <c:merchantURL>
    </c:merchantURL>
    <reconciliationID>123456789</reconciliationID>
    <c:reasonCode>100</c:reasonCode>
  </c:apInitiateReply>
</c:replyMessage>
```

Example 6  Initiate Mobile Payment Request

```
<?xml version="1.0" encoding="UTF-8"?>
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.119">
  <merchantID>nii_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>333333333401</reconciliationID>
  </apInitiateService>
</requestMessage>
```
Example 7  Initiate Mobile Payment Reply

```xml
<?xml version="1.0" encoding="UTF-8"?><c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.119">
  <c:requestID>4384221324295000001540</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%2F104400859379605000001737&amp;out_trade_no=333333333401&amp;partner=208810100922533&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%2FTNtLT12B%2Bgl%2B80rJ%2FmWdFq21sZPw616S%2F1slEUxsF8ogZymCLk3xw8K4MPeVmmNMk%0D%0Ahcvzk%2FrehDojaOZdqGcom%2Ff6zbjXen%2BBnNhSSLoEdUJ8v%2BNni38EyALesvAT44k%2BuhpTC4qg98K%0D%0Adbg5CNkkUod3GpBkrlo%2EmulWwkNAGTGOzaMmeoQdsQsUIVWQ1eYQ5a0Akc43dUZX5LBs%2Fdb2eWF0B%0D%0A%2FzDVn001K3caxCqcmrWba407WN1b0180Y18VTe2NezaXqUQRf5q9%2BumOsropRk%2FhjTrBvWv%0D%0AhYo1VKU86K21zlCaXJoGya3xP4pT5khhX8YHA%3D%3D&amp;sign_type=RSA</c:merchantURL>
  </c:apInitiateReply>
</c:replyMessage>
```
Check Payment Status

Web Payment

Example 8  Check Web Payment Status Request

```xml
<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

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <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
<?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>438422132429500001540</apInitiateRequestID>
    </apCheckStatusService>
</requestMessage>
```

Example 11  Check Mobile Payment Status Reply

```xml
<?xml version="1.0" encoding="UTF-8"?><c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.119">
    <c:requestID>438422135430500001540</c:requestID>
    <c:decision>ACCEPT</c:decision>
    <c:reasonCode>100</c:reasonCode>
    <c:apCheckStatusReply>
        <c:reasonCode>100</c:reasonCode>
        <c:reconciliationID>333333333401</c:reconciliationID>
        <c:paymentStatus>COMPLETED</c:paymentStatus>
        <c:processorTransactionID>2012011808153910011808153910</c:processorTransactionID>
    </c:apCheckStatusReply>
</c:replyMessage>
```
Appendix B  Examples

Refund Request

Web Payment

Example 12  Refund Request

```xml
<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

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <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

```xml
<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

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <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

```xml
$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

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
    <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

```xml
<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

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.75">
  <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>
</replyMessage>
```
Name-Value Pair Examples

Initiate Payment

Web Payment

Example 20  Initiate Payment Request

```plaintext
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

```plaintext
merchantReferenceCode=482046C3A7E94F5BD1FE3C66C
requestID=3305996802900168624917
decision=ACCEPT
reasonCode=100
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=330599680290168624917
decision=ACCEPT
reasonCode=100
apInitiateReply_reconciliationID=123456789
apInitiateReply_reasonCode=100
Mobile Payment

Example 24  Initiate Payment Request

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>apInitiateService_productDescription</td>
<td>Vintage</td>
</tr>
<tr>
<td>apInitiateService_productName</td>
<td>Book</td>
</tr>
<tr>
<td>apInitiateService_returnURL</td>
<td><a href="http://www.example.com">www.example.com</a></td>
</tr>
<tr>
<td>apPaymentType</td>
<td>aym</td>
</tr>
<tr>
<td>purchaseTotals_currency</td>
<td>usd</td>
</tr>
<tr>
<td>item_0_unitPrice</td>
<td>20.00</td>
</tr>
<tr>
<td>item_0_quantity</td>
<td>3</td>
</tr>
<tr>
<td>item_0_productSKU</td>
<td>abc123</td>
</tr>
<tr>
<td>purchaseTotals_grandTotalAmount</td>
<td>60.00</td>
</tr>
<tr>
<td>merchantID</td>
<td>ni_alipay</td>
</tr>
<tr>
<td>merchantReferenceCode</td>
<td>482046C3A7E94F5BD1FE3C66C</td>
</tr>
<tr>
<td>apInitiateService_run</td>
<td>true</td>
</tr>
</tbody>
</table>

Example 25  Initiate Payment Reply

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>apInitiateReply_reconciliationID</td>
<td>333333333401</td>
</tr>
</tbody>
</table>
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=330596802900168624917
decision=ACCEPT
reasonCode=100
bm5DEu19SxXNb1qfGrrXh16WoYfTm2resf%2B6QWm13ckPwnbOcmjw%2B2FGssrEjGxRF%2F4CK%0D%0AaYM8jATLqvtBpJBSNYqgVoSChfw6ZN%2F7g2V0uEb1sd%2F2%2BbPlgsAj93T%2FipusAHDMd35%2B6uNbe%2Fk4B%0D%0A1lNRIBidQ%2BTCIX2mQNMsk%2BP15v%2BbVbPoV0%2FWenjASv3s2njj0K1zImphfr%2BxU%2BpFC8yDTs3JHE2%0D%0AaPcmUOuikgYyeCd%2B%2FDFd%0D%0Avc80NbwFO%2F2BaajpMMaBEFLVN8wAOT8wo0BF4777%mdScYR%0D%0A22dFE%2F2ZvmhkgQ8f%0D%0AaWltZ3D%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
Appendix B  Examples

Refund Payment

Web Payment

Example 32  Refund Reply

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>merchantReferenceCode</td>
<td>482046C3A7E94F5BD1FE3C66C</td>
</tr>
<tr>
<td>requestID</td>
<td>3305996802900168624917</td>
</tr>
<tr>
<td>decision</td>
<td>ACCEPT</td>
</tr>
<tr>
<td>reasonCode</td>
<td>100</td>
</tr>
<tr>
<td>purchaseTotals_currency</td>
<td>USD</td>
</tr>
<tr>
<td>purchaseTotals_grandTotalAmount</td>
<td>60.00</td>
</tr>
<tr>
<td>apRefundReply_reconciliationID</td>
<td>123456789</td>
</tr>
<tr>
<td>apRefundReply_reasonCode</td>
<td>100</td>
</tr>
<tr>
<td>apRefundReply_amount</td>
<td>60.00</td>
</tr>
<tr>
<td>apRefundReply_dateTime</td>
<td>2012-07-16T08:56:33Z</td>
</tr>
<tr>
<td>apRefundReply_returnRef</td>
<td>123456789</td>
</tr>
</tbody>
</table>

Example 33  Refund with RMB Pricing Request

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>merchantID</td>
<td>ni_Alipay</td>
</tr>
<tr>
<td>merchantReferenceCode</td>
<td>482046C3A7E94F5BD1FE3C66C</td>
</tr>
<tr>
<td>purchaseTotals_currency</td>
<td>CNY</td>
</tr>
<tr>
<td>purchaseTotals_grandTotalAmount</td>
<td>60.00</td>
</tr>
<tr>
<td>apPaymentType</td>
<td>APY</td>
</tr>
<tr>
<td>ap_settlementCurrency</td>
<td>USD</td>
</tr>
<tr>
<td>apRefundService_run</td>
<td>true</td>
</tr>
<tr>
<td>apRefundService_reason</td>
<td>Damaged Goods</td>
</tr>
<tr>
<td>apRefundService_apInitiateRequestID</td>
<td>3305996802900168624917</td>
</tr>
<tr>
<td>apRefundService_reason_for_refund</td>
<td>123456789</td>
</tr>
</tbody>
</table>

Example 34  Refund with RMB Pricing Reply

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>merchantReferenceCode</td>
<td>482046C3A7E94F5BD1FE3C66C</td>
</tr>
<tr>
<td>requestID</td>
<td>3305996802900168624917</td>
</tr>
<tr>
<td>decision</td>
<td>ACCEPT</td>
</tr>
<tr>
<td>reasonCode</td>
<td>100</td>
</tr>
<tr>
<td>purchaseTotals_currency</td>
<td>CNY</td>
</tr>
<tr>
<td>purchaseTotals_grandTotalAmount</td>
<td>60.00</td>
</tr>
<tr>
<td>apRefundReply_reconciliationID</td>
<td>123456789</td>
</tr>
<tr>
<td>apRefundReply_reasonCode</td>
<td>100</td>
</tr>
<tr>
<td>apRefundReply_amount</td>
<td>60.00</td>
</tr>
<tr>
<td>apRefundReply_dateTime</td>
<td>2012-07-16T08:56:33Z</td>
</tr>
<tr>
<td>apRefundReply_returnRef</td>
<td>123456789</td>
</tr>
</tbody>
</table>
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  

Appendix B  Examples
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