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<tr>
<td>October 2019</td>
<td>Updated return values for <code>apCaptureReply_paymentStatus</code> and <code>apCaptureReply_status</code>.</td>
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<tr>
<td>June 2019</td>
<td>Added support for new currency, CHF (Switzerland). See &quot;Requirements,&quot; page 11.</td>
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<td></td>
<td>Added information to, &quot;Overview of a Klarna Transaction,&quot; page 12.</td>
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<td>Updated information about the sessions service. See Chapter 2, &quot;Creating and Updating a Session,&quot; on page 16.</td>
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<td>Updated descriptions for the <code>billTo_country</code> and <code>billTo_postalCode</code> request fields. See &quot;Request Fields,&quot; page 48.</td>
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<tr>
<td>February 2019</td>
<td>Added the following sections:</td>
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<td>- &quot;Merchant Accounts,&quot; page 10</td>
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<td>- &quot;Requirements,&quot; page 11</td>
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<td>- &quot;Disputes and Fraud,&quot; page 12</td>
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<tr>
<td></td>
<td>Updated the transaction flow. See Figure 1, &quot;Klarna Transaction,&quot; on page 12.</td>
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<td>Updated information about the sessions service. See Chapter 2, &quot;Creating and Updating a Session,&quot; on page 16.</td>
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<td>Added the <code>apSessionsService_sessionsRequestID</code> and <code>apSessionsService_sessionsType</code> request fields. See &quot;Request Fields,&quot; page 48.</td>
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<td>Updated the description for the <code>billTo_language</code> request field. See &quot;Request Fields,&quot; page 48.</td>
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<td>Added information about multiple refunds. See Chapter 7, &quot;Refunding a Payment,&quot; on page 42.</td>
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<tr>
<th>Release</th>
<th>Changes</th>
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<tr>
<td>December 2017</td>
<td>Added information about Trusted Shops certification in Germany. See &quot;Requirements,&quot; page 11.</td>
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<td></td>
<td>Added information to &quot;Overview of a Klarna Transaction,&quot; page 12.</td>
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<td>Updated information about tax amount fields. See item_taxAmount and purchaseTotals_taxAmount in Appendix A, &quot;API Fields,&quot; on page 46.</td>
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<tr>
<td></td>
<td>Changed many of the request fields for the authorization service from required to optional. See Chapter 3, &quot;Authorizing a Payment,&quot; on page 29 and Appendix A, &quot;API Fields,&quot; on page 46.</td>
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About This Guide

Audience and Purpose

This guide is written for merchants who want to offer Klarna payments to customers.

Implementing CyberSource payment processing services requires software development skills. You must write code that uses the CyberSource API request and reply fields to integrate the services into your existing order management system. You must also integrate the Klarna SDK into your web site.

This guide describes tasks you must complete to integrate the CyberSource services and Klarna SDK into your existing order management system.

Conventions

Note, Important, and Warning Statements

A Note contains helpful suggestions or references to material not contained in the 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>
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<tr>
<td><strong>bold</strong></td>
<td>Field and service names in text; for example:</td>
</tr>
<tr>
<td></td>
<td>Include the <code>ccAuthService_run</code> field.</td>
</tr>
<tr>
<td><strong>Screen text</strong></td>
<td>■ XML elements</td>
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<tr>
<td></td>
<td>■ Code examples</td>
</tr>
<tr>
<td></td>
<td>■ Values for API fields; for example:</td>
</tr>
<tr>
<td></td>
<td>Set the <code>ccAuthService_run</code> field to <code>true</code>.</td>
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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**

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
Klarna payments is an in-line, real-time financing solution you can offer to your customers through CyberSource. Klarna optimizes financing for an offline environment, which improves customer choice and experience.

**Merchant Accounts**

Two types of merchant accounts are available:

- The CyberSource settlement and services account—this merchant account has no direct contract with a payment provider partner. The CyberSource Financial Settlement Partner (FSP) collects the funds on your behalf and settles the funds to your merchant account. Contact your sales representative for additional information.

  **Important**
  
  CyberSource automatically requests the export compliance service for each transaction using this type of merchant account. Export Compliance verifies customer information by comparing it to many lists that are maintained by government agencies to support export controls. If a customer’s first name and last name or company name appears on any of the lists, you receive information indicating that the transaction is declined.

- The processor direct contract account—this merchant account must use the payment provider selected by CyberSource and you must inform your sales representative of any existing direct contracts.
Chapter 1  Integrating with Klarna

Requirements

- You must obtain a CyberSource merchant ID and a Klarna API key for each country in which you process transactions.

Important

You must provide CyberSource Customer Support with the API key that you receive from Klarna.

- If you have the Trusted Shops certification in Germany, you must update the Terms and Conditions page on your web site:
  - Add information about the Klarna payment method.
  - Include a link to the Klarna Terms and Conditions page.

For details about this requirement, see:

https://developers.klarna.com/en/no/kco-v2/country-specific/germany

Supported Countries and Currencies

Table 1  Supported Countries and Currencies

<table>
<thead>
<tr>
<th>Country</th>
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<td>DKK</td>
</tr>
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<td>Finland</td>
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<td>Switzerland</td>
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<td>United Kingdom</td>
<td>GBP</td>
</tr>
<tr>
<td>United States</td>
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Klarna Review Process

Before you launch Klarna payments, Klarna reviews your front-end and back-end integrations. For more information about Klarna’s pre-launch review process, contact your CyberSource technical account manager or customer support.
Shipping Policies

Always follow the shipping policies for each country as outlined by Klarna to ensure that Klarna assumes liability for fraudulent transactions. For Klarna’s shipping policy, go to:

https://www.klarna.com/international/shipping-policies/

Disputes and Fraud

Klarna has a standard process for handling disputes and risky transactions between you and your customers. For more information, contact your CyberSource technical account manager or customer support.

Overview of a Klarna Transaction

Figure 1 Klarna Transaction

1 Add the container for the Klarna widget to the HTML for your checkout page. This is a one-time operation and provides an iFrame for the Klarna widget to be dynamically loaded into when the Klarna widget is initialized.

Example 1 Adding the Klarna Container to Your Checkout Page

```html
<div id="#klarna_container"></div>
```

2 When the customer displays your checkout page, send a create session request to CyberSource. The sessions service creates a unique customer session and returns a processor token. (Also called a session token.) See Chapter 2, "Creating and Updating a Session," on page 16.
3 Present the available payment methods to the customer. When the customer chooses the Klarna payment method on your checkout page, install the Klarna SDK and initialize it by calling `Klarna.Credit.init`. In the request, set the client token field to the value of the processor token returned by CyberSource.

**Example 2 Initializing the Klarna SDK**

```javascript
Klarna.Credit.init({client_token: '<%=processorToken%>'})
if (count < 3)
{
  setTimeout(initializeKlarna.bind(null, count), 3000);
} else
{
  showError()
}
```

Initializing the Klarna SDK can take up to 10 seconds. CyberSource recommends that you try to initialize the SDK every three seconds, up to a maximum of three attempts.

For additional information about initializing the Klarna SDK, see:


4 Load the Klarna widget into the Klarna container by calling `Klarna.Credit.load` and specifying the Klarna container.

**Example 3 Loading the Klarna Widget**

```javascript
Klarna.Credit.load({
  container: "#klarna_container",
  (...)
})
```
5 Display the Klarna payment options on your checkout page. The `show_form = true` statement dynamically updates the payment options in the Klarna widget.

**Example 4  Displaying the Klarna Payment Options**

```javascript
if (res["show_form"] == true)
{
    logging("Klarna Available Payment Option");
    
    document.getElementById("auth_button").innerHTML = "<br><button type="button" name="buy" onclick="authorizeKlarnaOrder();">Pay</button>"
}
else
{
    logging("Klarna Not Available As A Payment Option");
}
```

6 When the customer chooses one of the Klarna payment options:

- Send an update session request to CyberSource with available customer information. See Chapter 2, "Creating and Updating a Session," on page 16.

- Call `Klarna.Credit.authorize` to authorize the order with Klarna. In the call, include an empty JSON object. For additional information about Klarna authorizations, see: 
  

**Example 5  Authorizing the Order**

```javascript
Klarna.Credit.authorize({}, function(res) {
    var auth_token = res["authorization_token"];  
    var isApproved = res["approved"];  
    var show_form = res["show_form"];
});
```

7 Klarna validates the customer’s information and determines whether to authorize the order. When Klarna authorizes the order, Klarna returns an authorization token.

8 Send an authorization request to CyberSource. Set the preapproval token field to the value of the authorization token returned by Klarna. See Chapter 3, "Authorizing a Payment," on page 29.

9 When CyberSource approves the authorization, send a capture request to complete the purchase. See Chapter 6, "Capturing an Authorization," on page 38.

---

When the authorization reply indicates that the purchase is pending, send a check status request every hour until the payment status changes. See Chapter 4, "Checking Status," on page 33.
Testing

For test transactions, send requests to the CyberSource test server:

https://ics2wstesta.ic3.com/commerce/1.x/transactionProcessor

Use the Klarna test triggers, which consist of email addresses. For more information, see:

https://developers.klarna.com/documentation/testing-environment/#klarna-payments-test-triggers
Creating and Updating a Session

The sessions service:

1 Creates a new customer session.

2 Requires an item-level shipping amount. The following fields are required:
   - item_#_productName—set to shipping
   - item_#_quantity
   - item_#_totalAmount
   - item_#_unitPrice

3 Returns a processor token from Klarna. Use this token when initializing the Klarna SDK on your checkout page. See "Overview of a Klarna Transaction," page 12.

4 Updates the existing session after the customer approves the purchase and consents to sharing their data with Klarna.

---

Note

Klarna includes the values that you send for the item-level fields on the invoice that Klarna sends to the customer.

---

Creating a Session

---

Important

Do not send any personally identifiable information (PII) data about the customer in the request to create a session.

---

Send the following required fields in the request to create a new session:

- apPaymentType—set to KLI.
- apSessionsService_cancelURL—set to the URL to which the customer is directed after canceling the Klarna payment.
Chapter 2  Creating and Updating a Session

- **apSessionsService_failureURL**—set to the URL to which the customer is directed after the Klarna payment fails.
- **apSessionsService_run**—set to **true**.
- **apSessionsService_sessionsType**—set to **N**. CyberSource uses this default value when you do not include the session type in the request.
- **apSessionsService_successURL**—set to the URL to which the customer is directed after successfully completing the Klarna payment.
- **billTo_country**
- **item_#_productName**
- **item_#_quantity**
- **item_#_totalAmount**
- **item_#_unitPrice**
- **merchantID**
- **merchantReferenceCode**
- **purchaseTotals_currency**
- **purchaseTotals_grandTotalAmount**

Send the following optional fields in the request to create a new session:

- **apSessionsService_sessionsType**—set to **N**. CyberSource uses this default value when you do not include the session type in the request.
- **purchaseTotals_discountAmount**

In the U.S., CyberSource recommends that you include the **purchaseTotals_taxAmount** field when you request the sessions service.

In countries other than the U.S., CyberSource recommends that you include the **item_#_taxAmount** field when you request the sessions service.

For descriptions of these fields, see Appendix A, "API Fields," on page 46.
Chapter 2  Creating and Updating a Session

### Updating a Session

You can update the session for 48 hours after creating it. You can update Item details and amounts in the request to update the session.

The session update service enables you to update items in the cart, with or without sending customer billing details. However, when you send customer billing details in the session update request, send as many billing details as possible for the best customer checkout experience.

---

**Important**

PII data about a customer should be sent only after the customer chooses the Klarna payment option on your checkout page and consents to sharing their data with Klarna.

---

After the customer consents to share their data with Klarna, send the following required fields in the request to update the session:

- `apPaymentType`—set to `KLI`.
- `apSessionsService_cancelURL`—set to the URL to which the customer is directed after canceling the Klarna payment.
- `apSessionsService_failureURL`—set to the URL to which the customer is directed after the Klarna payment fails.
- `apSessionsService_successURL`—set to the URL to which the customer is directed after successfully completing the Klarna payment.
- `apSessionsService_requestID`  
- `apSessionsService_run`—set to `true`.
- `billTo_city`
- `billTo_country`
- `billTo_district`—set to the same value as the value for `billTo_state`.
- `billTo_email`
- `billTo_firstName`
- `billTo_language`
- `billTo_lastName`
- `billTo_postalCode`
- billTo_state—set to the same value as the value for billTo_district.
- billTo_street1
- billTo_street2
- item_#_productName
- item_#_quantity
- item_#_totalAmount
- item_#_unitPrice
- merchantID
- merchantReferenceCode
- purchaseTotals_currency
- purchaseTotals_grandTotalAmount
- shipTo_city
- shipTo_country
- shipTo_district
- shipTo_email
- shipTo_firstName
- shipTo_lastName
- shipTo_postalCode
- shipTo_state
- shipTo_street1
- shipTo_street2

Send the following optional fields in the request to update the session:

- apSessionsService_sessionsType—set to U. If you do not include this field in the request, CyberSource uses the default value of N.
- purchaseTotals_discountAmount
In the U.S., CyberSource recommends that you include the `purchaseTotals_taxAmount` field when you request the sessions service.

In countries other than the U.S., CyberSource recommends that you include the `item_#_taxAmount` field when you request the sessions service.

For descriptions of these fields, see Appendix A, "API Fields," on page 46.

### Coupons

Klarna supports coupons. To include a coupon in a request, include the following required fields:

- `item_#_productCode`—set to `coupon`.
- `item_#_productName`
- `item_#_productSKU`
- `item_#_quantity`
- `item_#_unitPrice`

For descriptions of these fields, see Appendix A, "API Fields," on page 46. For details about coupon processing, see *Getting Started with CyberSource Advanced for the Simple Order API*.

### Calculating the Grand Total

#### Tax Amounts

For the U.S., send the tax amount in the order-level field `purchaseTotals_taxAmount`. Do not use the item-level tax amount field.

For countries other than the U.S., send the tax amount in the item-level field `item_#_taxAmount`. Do not use the order-level tax amount field.
Grand Total without Coupons

For the U.S., use this formula to calculate the value for the `purchaseTotals_grandTotalAmount` field:

\[
\text{sum of (unit price x quantity) for all items} + \text{order-level tax amount} - \text{order-level discount amount}
\]

With API field names, the formula looks like this:

\[
\text{sum of (item_.#_unitPrice x item_.#_quantity) for all items} + \text{purchaseTotals.taxAmount} - \text{purchaseTotals.discountAmount}
\]

Example 6  Grand Total Amount without Coupons in the U.S.

```
item_0_unitPrice=100
item_0_quantity=1
item_0_totalAmount=100
item_1_unitPrice=75
item_1_quantity=2
item_1_totalAmount=150
purchaseTotals_taxAmount=40
purchaseTotals_discountAmount=10
purchaseTotals_grandTotalAmount=280
```

For countries other than the U.S., use this formula to calculate the value for the `purchaseTotals_grandTotalAmount` field:

\[
\text{sum of (unit price x quantity) for all items} + \text{sum of (item-level tax amount) for all items} - \text{order-level discount amount}
\]

With API field names, the formula looks like this:

\[
\text{sum of (item_.#_unitPrice x item_.#_quantity) for all items} + \text{sum of (item_.#_taxAmount) for all items} - \text{purchaseTotals.discountAmount}
\]

Example 7  Grand Total Amount without Coupons in Countries Other than the U.S.

```
item_0_unitPrice=100
item_0_quantity=1
item_0_taxAmount=20
item_0_totalAmount=120
item_1_unitPrice=75
item_1_quantity=2
item_1_taxAmount=20
item_1_totalAmount=170
purchaseTotals_discountAmount=10
purchaseTotals_grandTotalAmount=280
```
Grand Total with Coupons

For the U.S., use this formula to calculate the value for the `purchaseTotals_grandTotalAmount` field:

\[
\text{sum of (unit price x quantity) for all items} + \text{order-level tax amount} - \text{sum of (coupon amount x quantity) for all items} - \text{order-level discount amount}
\]

**Example 8   Grand Total Amount with Coupons in the U.S.**

| item_0_unitPrice=100 | item_0_quantity=1 | item_0_totalAmount=100 | item_1_unitPrice=75 | item_1_quantity=2 | item_1_totalAmount=150 | item_2_productCode=coupon | item_2_productName=First-time customer | item_2_productSKU=12345 | item_2_quantity=1 | item_2_unitPrice=30 | purchaseTotals_taxAmount=40 | purchaseTotals_discountAmount=10 | purchaseTotals_grandTotalAmount=250 |
|----------------------|-------------------|------------------------|---------------------|-------------------|------------------------|---------------------------|---------------------------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|--------------------------|

For countries other than the U.S., use this formula to calculate the value for the `purchaseTotals_grandTotalAmount` field:

\[
\text{sum of (unit price x quantity) for all items} + \text{sum of (item-level tax amount) for all items} - \text{sum of (coupon amount x quantity) for all items} - \text{order-level discount amount}
\]

**Example 9   Grand Total Amount with Coupons in Countries Other than the U.S.**

| item_0_unitPrice=100 | item_0_quantity=1 | item_0_taxAmount=20 | item_0_totalAmount=120 | item_1_unitPrice=75 | item_1_quantity=2 | item_1_taxAmount=20 | item_1_totalAmount=170 | item_2_productCode=coupon | item_2_productName=First-time customer | item_2_productSKU=12345 | item_2_quantity=1 | item_2_unitPrice=30 | purchaseTotals_discountAmount=10 | purchaseTotals_grandTotalAmount=250 |
|----------------------|-------------------|-------------------|------------------------|---------------------|-------------------|---------------------|------------------------|---------------------------|---------------------------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|--------------------------|
Chapter 2  Creating and Updating a Session

Examples

XML Examples

Example 10  Create Sessions Request

This example might contain optional fields.

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantID>mid123</merchantID>
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <billTo>
    <country>DE</country>
  </billTo>
  <item id="0">
    <unitPrice>19.99</unitPrice>
    <quantity>1</quantity>
    <productName>Green Widget</productName>
    <taxAmount>1.00</taxAmount>
    <totalAmount>20.99</totalAmount>
  </item>
  <item id="1">
    <unitPrice>10.00</unitPrice>
    <quantity>2</quantity>
    <productName>Blue Widget</productName>
    <taxAmount>2.00</taxAmount>
    <totalAmount>22.00</totalAmount>
  </item>
  <item id="2">
    <unitPrice>5.00</unitPrice>
    <quantity>1</quantity>
    <productName>shipping</productName>
    <totalAmount>5.00</totalAmount>
  </item>
  <purchaseTotals>
    <currency>EUR</currency>
    <discountAmount>3.00</discountAmount>
    <grandTotalAmount>44.99</grandTotalAmount>
  </purchaseTotals>
  <apPaymentType>KLI</apPaymentType>
  <apSessionsService run="true">
    <cancelURL>http://test.com/Klarna/Reply.jsp</cancelURL>
    <successURL>http://test.com/Klarna/Reply.jsp</successURL>
    <failureURL>http://test.com/Klarna/Reply.jsp</failureURL>
    <sessionsType>N</sessionsType>
  </apSessionsService>
</requestMessage>
```
Example 11  Create Session Reply

Example 11  Create Session Reply

```
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <requestID>4848446567036715804007</requestID>
  <decision>ACCEPT</decision>
  <reasonCode>100</reasonCode>
  <purchaseTotals>
    <currency>EUR</currency>
  </purchaseTotals>
  <apSessionsReply>
    <reasonCode>100</reasonCode>
    <responseCode>00000</responseCode>
    <processorToken>eyJhbGciOiJub25lIn0.ewogICJzZXNzaW9uX2lkIiA6ICJ5ODk2ZDUxNy90xNGB
JkLTFmMzItYmQ0YS00ODQ5MjQ2MzI3NDciL2AoICJ1YXJ5X2VybiJCIgOiAiMjAxMjAwMi0wMDEwNDExI
LAogICJzdWItbW9kaW5hdGlvbiI6IiIsCiAgInRyYWNo.....</processorToken>
  </apSessionsReply>
</replyMessage>
```
Example 12  Update Session Request

This example might contain optional fields.

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantID>mid123</merchantID>
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <billTo>
    <firstName>Anna</firstName>
    <lastName>Schmidt</lastName>
    <street1>Leopoldstrasse 4</street1>
    <street2>Apt 2</street2>
    <city>Lichtenberg</city>
    <district>Berlin</district>
    <state>Berlin</state>
    <postalCode>10318</postalCode>
    <country>DE</country>
    <phoneNumber>5551234567</phoneNumber>
    <email>schmidt@example.com</email>
    <dateOfBirth>19820101</dateOfBirth>
    <language>DE-DE</language>
  </billTo>
  <shipTo>
    <firstName>Anna</firstName>
    <lastName>Schmidt</lastName>
    <street1>Leopoldstrasse 4</street1>
    <street2>Apt 2</street2>
    <city>Lichtenberg</city>
    <district>Berlin</district>
    <state>Berlin</state>
    <postalCode>10318</postalCode>
    <country>DE</country>
    <phoneNumber>5551234567</phoneNumber>
    <email>schmidt@example.com</email>
  </shipTo>
  <item id="0">
    <unitPrice>19.99</unitPrice>
    <quantity>1</quantity>
    <productName>Green Widget</productName>
    <taxAmount>1.00</taxAmount>
    <totalAmount>20.99</totalAmount>
  </item>
  <item id="1">
    <unitPrice>10.00</unitPrice>
    <quantity>2</quantity>
    <productName>Blue Widget</productName>
    <taxAmount>2.00</taxAmount>
    <totalAmount>22.00</totalAmount>
  </item>
</requestMessage>
```
<item id="2">
  <unitPrice>5.00</unitPrice>
  <quantity>1</quantity>
  <productName>shipping</productName>
  <totalAmount>5.00</totalAmount>
</item>

<purchaseTotals>
  <currency>EUR</currency>
  <discountAmount>3.00</discountAmount>
  <grandTotalAmount>44.99</grandTotalAmount>
</purchaseTotals>
<apPaymentType>KLI</apPaymentType>
<apSessionsService run="true">
  <cancelURL>http://test.com/Klarna/Reply.jsp</cancelURL>
  <successURL>http://test.com/Klarna/Reply.jsp</successURL>
  <failureURL>http://test.com/Klarna/Reply.jsp</failureURL>
  <sessionsType>U</sessionsType>
  <sessionsRequestID>4848446567036715804007</sessionsRequestID>
</apSessionsService>
</requestMessage>

<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <requestID>4848446567036715804007</requestID>
  <decision>ACCEPT</decision>
  <reasonCode>100</reasonCode>
  <purchaseTotals>
    <currency>EUR</currency>
  </purchaseTotals>
  <apSessionsReply>
    <reasonCode>100</reasonCode>
    <responseCode>00000</responseCode>
    <processorToken>eyJhbGciOiJub25lIn0.ewogICJzZXNzaW9uX2lkIiA6ICI5ODk2ZDUxNy9xNGJkLTJmMiJoMTIzMDkxMDQ5MjQzMzI3NDEiLCAiZGVzaWduIiA6IChyZWRtaW4gQ2VydmljZSBBdXRob3JpdHMuZGVzaWduIiwKICAic29tZSIgOiAiaHR0cHM6Ly9tYXRoLmNvbS5jb20iLCJkaXNjYXJlbmFyeSI6IjYiLCJzaWduIjoxMDQ5MjQzMzI3NDEiLCJwYXlsb2FkIjoxMDQ5MjQzMzI3NDEiLCJvZmZsaXR5IjoxMDQ5MjQzMzI3NDEiLCJwb3J0aW9ucyI6IjI6XCI6IjI6XCI6bnVsbCBzZWFyZXIoMVwiLCAicmVuY3J5cHRpY3MiOiJ1c2VyIiwKICAiY2xldCB3aWRtaW4iOiJyZWRtaW4ifQ.</processorToken>
  </apSessionsReply>
</replyMessage>
Chapter 2  Creating and Updating a Session

Name-Value Pair Examples

Example 14  Create Session Request

This example might include optional fields.

```plaintext
apSessionsService_run=true
apSessionsService_cancelURL=http://test.com/Klarna/Reply.jsp
apSessionsService_successURL=http://test.com/Klarna/Reply.jsp
apSessionsService_failureURL=http://test.com/Klarna/Reply.jsp
apSessionsService_sessionsType=N
merchantID=mid123
merchantReferenceCode=ref1234
billTo_country=DE
item_0_unitPrice=19.99
item_0_quantity=1
item_0_productName=Green Widget
item_0_taxAmount=1.00
item_0_totalAmount=20.00
item_1_unitPrice=10.00
item_1_quantity=2
item_1_productName=Blue Widget
item_1_taxAmount=2.00
item_1_totalAmount=22.00
item_2_unitPrice=5.00
item_2_quantity=1
item_2_productName=shipping
item_2_totalAmount=5.00
purchaseTotals_currency=EUR
purchaseTotals_discountAmount=3.00
purchaseTotals_grandTotalAmount=44.99
apPaymentType=KLI
```

Example 15  Create Session Reply

```plaintext
merchantReferenceCode=ref1234
requestID=4848446567036715804007
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=EUR
apSessionsReply_reasonCode=100
apSessionsReply_responseCode=00000
apSessionsReply_processorToken=eyJhbGciOiJub25lIn0ewogICJzZXNzaXplciJdCiAgInRyYWdlX3VybCIgOiAiZW4iLAogICJzdWFyZV9zb2xvZ2ljIiA6ICJycm9yZV9zdGFuZ3VhcmRUaXRsZSIsCiAgInVzZXJ0aW9uc19yZXNpemUtZGF0YSIgOiAiMjIiLAogICJhY2NvdW50X2FyaWluZ19jaGFuZ3VhcmRUaXRsZSIsCiAgInVzZXJ0aW9uc19yZXNpemUtcm92aWNpbmRzIiA6ICJuem9vZV9jaGFuZ3VhcmRUaXRsZSIsCiAgImlzc3VzZXIiICIkInRlc3QgaW50ZXJ0aW9uc19yZXNpemUtcm92aWNpbmRzIGluc3VsdGFuZ3VhcmRzIiwKICIsInJlbm5ldGVyIiA6ICJodHR0cHM6Ly9jcmVkaXQtbmEucGxheWdyb3VuZC5rbGFybmEuY29tIiwKICIsImluc3VsdGFuZ3VhcmRzIiA6ICIxOjM4MiJ9
```

Chapter 2  Creating and Updating a Session

Example 16  Update Session Request

This example might include optional fields.

```plaintext
apSessionsService_run=true
apSessionsService_cancelURL=http://test.com/Klarna/Reply.jsp
apSessionsService_successURL=http://test.com/Klarna/Reply.jsp
apSessionsService_failureURL=http://test.com/Klarna/Reply.jsp
apSessionsService_sessionsType=U
apSessionsService_requestID=4848446567036715804007
merchantID=mid123
merchantReferenceCode=ref1234
billTo_firstName=Anna
billTo_lastName=Schmidt
billTo_street1=Leopoldstrasse 4
billTo_street2=Apt 2
billTo_city=Lichtenberg
billTo_district=Berlin
billTo_state=Berlin
billTo_postalCode=10318
billTo_country=DE
billTo_phoneNumber=5551234567
billTo_email=schmidt@example.com
billTo_dateOfBirth=19820101
billTo_language=DE-DE
shipTo_firstName=Anna
shipTo_lastName=Schmidt
shipTo_street1=Leopoldstrasse 4
shipTo_street2=Apt 2
```

Example 17  Update Session Reply

```plaintext
merchantReferenceCode=ref1234
requestID=4848446567036715804007
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=EUR
apSessionsReply_reasonCode=100
apSessionsReply_responseCode=00000
apSessionsReply_processorToken=eyJhbGciOiJub25lIn0ewogICJzZXNzaW9uX2lkIiA6ICI5ODk2ZDUxNy0xNGJkLTRmMzItYmM0YS0xODQ5MjQ2MzI3NDciLAogICJsYW5ndWFnZSIgOiAiZW4iLAogICJwdXJjaGFz
```
Authorizing a Payment

The authorization service responds with a Klarna URL to which you direct the customer after the transaction is complete. The Klarna URL is returned in the `apAuthReply_merchantURL` field.

The following fields are required when you request the authorization service:

- `apAuthService_preapprovalToken`—set to the token generated by Klarna. When Klarna authorizes the order, Klarna generates a preapproval token and sends it to the browser.
- `apAuthService_run`—set to `true`.
- `apPaymentType`—set to `KLI`.
- `billTo_city`
- `billTo_country`—set to the same billing country that was used in the sessions request.
- `billTo_email`
- `billTo_firstName`
- `billTo_lastName`
- `billTo_postalCode`—required only when the billing country is the U.S. or Canada.
- `billTo_state`—required only when the billing country is the U.S. or Canada.
- `billTo_street1`
- `merchantID`
- `merchantReferenceCode`
- `purchaseTotals_currency`
- `purchaseTotals_grandTotalAmount`—set to the same grand total amount that was used in the latest sessions update request.
In the U.S., CyberSource recommends that you include the `purchaseTotals_taxAmount` field when you request the authorization service.

In countries other than the U.S., CyberSource recommends that you include the `item_#_taxAmount` field when you request the authorization service.

For descriptions of these fields, see Appendix A, "API Fields," on page 46.

### Examples

#### XML Examples

**Example 18  Authorization Request**

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantID>mid123</merchantID>
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <billTo>
    <firstName>Anna</firstName>
    <lastName>Schmidt</lastName>
    <street1>Leopoldstrasse 4</street1>
    <city>Lichtenberg</city>
    <state>Berlin</state>
    <postalCode>10318</postalCode>
    <country>DE</country>
    <email>schmidt@example.com</email>
  </billTo>
  <purchaseTotals>
    <currency>EUR</currency>
    <grandTotalAmount>19.99</grandTotalAmount>
  </purchaseTotals>
  <apPaymentType>KLI</apPaymentType>
  <apAuthService run="true">
    <preapprovalToken>ca322c34-6f2d-5421-b29f-0d10ebadc3bb</preapprovalToken>
  </apAuthService>
</requestMessage>
```
Example 19  Authorization Reply

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <requestID>4848446851386814504011</requestID>
  <decision>ACCEPT</decision>
  <reasonCode>100</reasonCode>
  <requestToken>AhjnrwSTBtW3cyn4OBxLohja2CoMrLNy1k027mU/BwOJYAAVh/8</requestToken>
  <purchaseTotals>
    <currency>EUR</currency>
  </purchaseTotals>
  <apAuthReply>
    <reasonCode>100</reasonCode>
    <status>AUTHORIZED</status>
    <processorResponse>00003</processorResponse>
    <amount>19.99</amount>
    <paymentStatus>authorized</paymentStatus>
    <responseCode>00003</responseCode>
    <merchantURL>https://credit-na.playground.klarna.com/v1/sessions/9896d517-14bd-4f32-bc4a-184924632747/redirect</merchantURL>
    <reconciliationID>6LBP2Y395ISZ</reconciliationID>
    <processorTransactionID>1a2a3706-cc17-4fd9-a9d6-b437fc064d8f</processorTransactionID>
  </apAuthReply>
</replyMessage>
```

Name-Value Pair Examples

Example 20  Authorization Request

```
apAuthService_run=true
apAuthService_preapprovalToken=ca322c34-6f2d-5421-b29f-0d10ebad3bb
apPaymentType=KLI
billTo_firstName=Anna
billTo_lastName=Schmidt
billTo_street1=Leopoldstrasse 4
billTo_city=Lichtenberg
billTo_state=Berlin
billTo_postalCode=10318
billTo_country=DE
billTo_email=schmidt@example.com
purchaseTotals_currency=EUR
purchaseTotals_grandTotalAmount=19.99
merchantID=mid123
merchantReferenceCode=ref1234
```
Example 21  Authorization Reply

merchantReferenceCode=ref1234
requestID=4848446567036715804007
decision=ACCEPT
reasonCode=100
requestToken=AhjnrvSTBtW2cINmCVnoghjaZCoMrLNy1k07KXFKe9JpA6cQ1QY9
purchaseTotals_currency=EUR
apAuthReply_reasonCode=100
apAuthReply_status=AUTHORIZED
apAuthReply_processorResponse=00003
apAuthReply_amount=19.99
apAuthReply_paymentStatus=authorized
apAuthReply_processorTransactionID=1a2a3706-cc17-4fd9-a9d6-b437fc064d8f
Request the check status service when the authorization status is pending. A pending status is returned by Klarna in a small number of cases when Klarna reviews an authorization. CyberSource recommends that you request the check status service hourly until the payment status changes.

The following fields are required when you request the check status service:

- `apCheckStatusService_checkStatusRequestID`—set to the request ID that was included in the authorization reply message.
- `apCheckStatusService_run`—set to `true`.
- `apPaymentType`—set to `KLI`.
- `merchantID`
- `merchantReferenceCode`

For descriptions of these fields, see Appendix A, "API Fields," on page 46.

## Examples

### XML Examples

**Example 22  Check Status Request**

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.132">
    <merchantID>mid123</merchantID>
    <merchantReferenceCode>ref1234</merchantID>
    <apPaymentType>KLI</apPaymentType>
    <apCheckStatusService run="true">
        <checkStatusRequestID>4848446851386814504011</checkStatusRequestID>
    </apCheckStatusService>
</requestMessage>
```
Example 23  Check Status Reply

```
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <requestID>4848446851386814504011</requestID>
  <decision>ACCEPT</decision>
  <reasonCode>100</reasonCode>
  <requestToken>AhjnrwSTBtW8D2zrTGH2qohjaZCoMrLNY1k1GCXFKEcbEYABA42NJMvRiuK9xSYQ3gbNaYQINQAAXkBX9</requestToken>
  <apCheckStatusReply>
    <reasonCode>100</reasonCode>
    <paymentStatus>AUTHORIZED</paymentStatus>
    <reconciliationID>6LBP2Y395IT0</reconciliationID>
  </apCheckStatusReply>
</replyMessage>
```

Name-Value Pair Examples

Example 24  Check Status Request

```
apCheckStatusService_run=true
apCheckStatusService_checkStatusRequestID=4848446851386814504011
apPaymentType=KLI
merchantID=mid123
merchantReferenceCode=ref1234
```

Example 25  Check Status Reply

```
merchantReferenceCode=ref1234
requestID=4848446567036715804007
decision=ACCEPT
reasonCode=100
requestToken=AhjnrwSTBtW2cINmCVnOhjaZCoMrLNY1k07KXFKEb9JpA6cQ1QY9
apCheckStatusReply_reasonCode=100
apCheckStatusReply_paymentStatus=AUTHORIZED
apCheckStatusReply_reconciliationID=6LBP2Y395ISZ
apCheck_status_payment_status=SETTLED
ap_check_status_rcode=1
ap_check_status_response_code=00004
ap_check_status_rflag=SOK
ap_check_status_rmsg=Request was processed successfully.
icsrcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=ref1234
request_id=4865699224970179113680
request_token=AhjnrwSR8oc9Xks3f77JHGENP93fNRxNIJYafr58Mm3AAA0hZW
```
Reversing an Authorization

The authorization reversal service enables you to reverse the amount that was authorized. The following fields are required when you request the authorization reversal service:

- `apAuthReversalService_authRequestId`—set to the request ID that was included in the authorization reply message.
- `apAuthReversalService_run`—set to `true`.
- `apPaymentType`—set to `KLI`.
- `merchantId`
- `merchantReferenceCode`
- `purchaseTotals_currency`

For descriptions of these fields, see Appendix A, "API Fields," on page 46.
Examples

XML Examples

Example 26  Authorization Reversal Request

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantID>mid123</merchantID>
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <apPaymentType>KLI</apPaymentType>
  <apAuthReversalService run="true">
    <authRequestID>4848446851386814504011</authRequestID>
  </apAuthReversalService>
</requestMessage>
```

Example 27  Authorization Reversal Reply

```
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <requestID>4848446851386814504011</requestID>
  <decision>ACCEPT</decision>
  <reasonCode>100</reasonCode>
  <requestToken>AhinrwSTBtW8DzrTGba4ZNMvRiuK9xSYNaY0LNQAAAAkBX9</requestToken>
  <apAuthReversalReply>
    <reasonCode>100</reasonCode>
    <status>AUTH_REVERSED</status>
    <processorResponse>00007</processorResponse>
    <amount>19.99</amount>
    <paymentStatus>auth_reversed</paymentStatus>
    <responseCode>00007</responseCode>
    <reconciliationID>6LBF2Y3951T0</reconciliationID>
  </apAuthReversalReply>
</replyMessage>
```
Chapter 5    Reversing an Authorization

Name-Value Pair Examples

Example 28  Authorization Reversal Request

```
apAuthReversalService_run=true
apAuthReversalService_authRequestID=484844685136814504011
apPaymentType=KLI
merchantID=mid123
merchantReferenceCode=ref1234
```

Example 29  Authorization Reversal Reply

```
merchantReferenceCode=ref1234
requestID=484844567036715804007
decision=ACCEPT
reasonCode=100
requestToken=AhjnrvSTBtW2cINmCVnohjaZCoMrlNy1k07KXFEBa9JpA6cQ1QY9
apAuthReversalReply_reasonCode=100
apAuthReversalReply_status=AUTH_REVERSED
apAuthReversalReply_processorResponse=00007
apAuthReversalReply_amount=19.99
apAuthReversalReply_paymentStatus=auth_reversed
apAuthReversalReply_responseCode=00007
apAuthReversalReply_reconciliationID=6LBP2Y395IT0
ics_applications=ics_ap_auth_reversal
merchant_id=mid12345
merchant_ref_number=ref1234
ap_auth_reversal_amount=19.99
ap_auth_reversal_payment_status=AUTH_REVERSED
ap_auth_reversal_processor_response=00007
ap_auth_reversal_rflag=SOK
ap_auth_reversal_rmsg=Request was processed successfully.
ap_auth_reversal_response_code=00007
ap_auth_reversal_trans_ref_no=6LBP2Y395ISZ
ics_rcode=1
ics_rmsg=Request was processed successfully.
ics_rflag=SOK
merchant_ref_number=ref1234
request_token=AhjnrvSTB8UkMYfw/LQohjhxnxN7LODLcVqawikhjD+H/5aAAAAygTN
request_id=4865699224970179113680
```
Capturing an Authorization

The capture service enables you to capture the entire authorized amount or part of the authorized amount. Klarna supports multiple capture requests when the total amount of all captures is less than the authorized amount.

The following fields are required when you request the capture service:

- `apCaptureService_authRequestID`—set to the request ID that was included in the authorization reply message.
- `apCaptureService_run`—set to `true`.
- `apPaymentType`—set to `KLI`.
- `merchantID`
- `merchantReferenceCode`
- `purchaseTotals_currency`
- `purchaseTotals_grandTotalAmount`

The following fields are optional but recommended when you request the capture service:

- `item_#_productName`
- `item_#_quantity`
- `item_#_totalAmount`
- `item_#_unitPrice`

For descriptions of these fields, see Appendix A, "API Fields," on page 46.
Examples

XML Examples

Example 30  Capture Request

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.132">
    <merchantID>mid123</merchantID>
    <merchantReferenceCode>ref1234</merchantReferenceCode>
    <item id="0">
        <unitPrice>19.99</unitPrice>
        <quantity>1</quantity>
        <productName>Green Widget</productName>
        <totalAmount>19.99</totalAmount>
    </item>
    <purchaseTotals>
        <currency>EUR</currency>
        <grandTotalAmount>19.99</grandTotalAmount>
    </purchaseTotals>
    <apPaymentType>KLI</apPaymentType>
    <apCaptureService run="true">
        <authRequestID>4848446851386814504011</authRequestID>
    </apCaptureService>
</requestMessage>
```

Example 31  Capture Reply

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.132">
    <merchantReferenceCode>ref1234</merchantReferenceCode>
    <requestID>4848447150406200004010</requestID>
    <decision>ACCEPT</decision>
    <reasonCode>100</reasonCode>
    <requestToken>AhjnrwSTBtW4gx7YeQohjhhHbRK9xSYNq3EGPbDyG1QAA5B7J</requestToken>
    <purchaseTotals>
        <currency>EUR</currency>
    </purchaseTotals>
    <apCaptureReply>
        <reasonCode>100</reasonCode>
        <transactionID>1217697c-fc8a-4fccc-a13d-20fa83dbce98</transactionID>
        <status>SETTLED</status>
        <processorResponse>00004</processorResponse>
        <amount>19.99</amount>
        <reconciliationID>80G6DY3AKNB7</reconciliationID>
        <paymentStatus>SETTLED</paymentStatus>
        <responseCode>00004</responseCode>
    </apCaptureReply>
</replyMessage>
```
Name-Value Pair Examples

Example 32  Capture Request

apCaptureService_run=true
apCaptureService_authRequestID=4848446851386814504011<
apPaymentType=KLI
item_0_unitPrice=19.99
item_0_quantity=1
item_0_productName=Green Widget
item_0_totalAmount=19.99
merchantID=mid123
merchantReferenceCode=ref1234
purchaseTotals_currency=EUR
purchaseTotals_grandTotalAmount=19.99

decision=ACCEPT
reasonCode=100
requestToken=AhjnwrSTBtw2cINmCVnohjaZCoLmNyik07KXFEb9jpa6cQ1Y9
purchaseTotals_currency=EUR
apCaptureReply_reasonCode=100
apCaptureReply_processorTransactionID=1217697c-fc8a-4fccc-a13d-20fa83dbce98
apCaptureReply_status=SETTLED
apCaptureReply_processorResponse=00004
apCaptureReply_amount=19.99
apCaptureReply_paymentStatus=SETTLED
apCaptureReply_reconciliationID=80G6DY3AKNB7
apCaptureReply_responseCode=00004
ap_payment_type=KLI
ap_auth_request_id=4865699224970179113680
currency=EUR
grand_total_amount=19.99
ics_applications=ics_ap_capture
merchant_id=mid123
merchant_ref_number=ref1234
ap_capture_amount=19.99
ap_capture_status=SETTLED
ap_capture_payment_status=SETTLED
ap_capture_rflag=SOK
ap_capture_rcode=1
ap_capture_rmsg=Request was processed successfully.
ap_capture_response_code=00007
ap_capture_trans_ref_no=6LBZ2Y395ISZ
ap_capture_processor_response=00004
ap_capture_processor_transaction_id=1211697c-fc8a-4fccc-a13d-20fa83dbce44
currency=EUR
ics_rcode=1
ics_rmsg=Request was processed successfully.
ics_rflag=SOK
merchant_ref_number=ref1234
request_token=AhjnzwSTB8UkMYfw//LQohjhg
xnN7LODLcVqaswhkJD+H/5aAAAAYgTN
request_id=4865699224970179113680
Refunding a Payment

The refund service enables you to refund the entire captured amount or part of the captured amount. Klarna supports multiple refund requests when the total amount of all refunds is less than the captured amount.

**Required Fields**

The following fields are required when you request the refund service:

- `apPaymentType`—set to `KLI`.
- `apRefundService_refundRequestID`—set to the request ID that was included in the capture reply message.
- `apRefundService_run`—set to `true`.
- `merchantID`
- `merchantReferenceCode`
- `purchaseTotals_currency`
- `purchaseTotals_grandTotalAmount`

**Recommended Fields**

The following fields are optional but recommended when you request the refund service:

- `billTo_email`
- `billTo_firstName`
- `billTo_lastName`
- `item_#_productName`
- `item_#_quantity`
Chapter 7  Refunding a Payment

- item_#_totalAmount
- item_#_unitPrice

For descriptions of these fields, see Appendix A, "API Fields," on page 46.

Examples

XML Examples

Example 34  Refund Request
This example might contain optional fields.

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.132">
  <merchantID>mid123</merchantID>
  <merchantReferenceCode>ref1234</merchantReferenceCode>
  <billTo>
    <firstName>Anna</firstName>
    <lastName>Schmidt</lastName>
    <email>schmidt@example.com</email>
  </billTo>
  <item id="0">
    <unitPrice>19.99</unitPrice>
    <quantity>1</quantity>
    <productName>Green Widget</productName>
    <totalAmount>19.99</totalAmount>
  </item>
  <purchaseTotals>
    <currency>EUR</currency>
    <grandTotalAmount>19.99</grandTotalAmount>
  </purchaseTotals>
  <apPaymentType>KLI</apPaymentType>
  <apRefundService run="true">
    <refundRequestID>4848447150406200004010</refundRequestID>
  </apRefundService>
</requestMessage>
```
Example 35  Refund Reply

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.132">
    <merchantReferenceCode>ref1234</merchantReferenceCode>
    <requestID>4848447150406200004010</requestID>
    <decision>ACCEPT</decision>
    <reasonCode>100</reasonCode>
    <requestToken>AhjnrwSTbT5cHHSaz3MohjdlXqWRlnzOZ2aiXDS2PivpA6cQba42NJMvRiuK9xSYNq3EGPbDyG1QAAAmh/B</requestToken>
    <purchaseTotals>
        <currency>EUR</currency>
    </purchaseTotals>
    <apRefundReply>
        <reasonCode>100</reasonCode>
        <transactionID>4cbe83f2-5de8-4535-b534-de9b7099dd50</transactionID>
        <status>REFUNDED</status>
        <processorResponse>00006</processorResponse>
        <amount>19.99</amount>
        <reconciliationID>72WTZY39N3YT</reconciliationID>
        <paymentStatus>REFUNDED</paymentStatus>
        <responseCode>00006</responseCode>
    </apRefundReply>
</replyMessage>
```

Name-Value Pair Examples

Example 36  Refund Request

This example might contain optional fields

```plaintext
apRefundService_run=true
apRefundService_refundRequestID=4848447150406200004010
apPaymentType=KLI
billTo_firstName=Anna
billTo_lastName=Schmidt
billTo_email=schmidt@example.com
item_0_unitPrice=19.99
item_0_quantity=1
item_0_productName=Green Widget
item_0_totalAmount=19.99
merchantID=mid123
merchantReferenceCode=ref1234
purchaseTotals_currency=EUR
purchaseTotals_grandTotalAmount=19.99
```
Example 37  Refund Reply

merchantReferenceCode=ref1234  
requestID=4848446567036715804007  
decision=ACCEPT  
reasonCode=100  
requestToken=AhjnrwSTBtW2cINmCVnohjaZCoMrLNy1k07KXFKEb9JpA6cQ1QY9  
purchaseTotals_currency=EUR  
apRefundReply_reasonCode=100  
apRefundReply_processorTransactionID=4cbe83f2-5deb-4535-b534-de9b7099dd50  
apRefundReply_status=REFUNDED  
apRefundReply_processorResponse=00006  
apRefundReply_amount=19.99  
apRefundReply_reconciliationID=72WTZY39N3YT  
apRefundReply_paymentStatus=REFUNDED  
apRefundReply_responseCode=00006
API Fields

Formatting Restrictions

Unless otherwise noted, all field names are case sensitive and all fields accept special characters such as @, #, and %.

Note

The values of the item._#_ fields must not contain carets (^) or colons (:) because these characters are reserved for use by the CyberSource services. Values for request-level and item-level fields must not contain new lines or carriage returns. However, they can contain embedded spaces and any other printable characters. CyberSource removes all leading and trailing spaces.

Data Type Definitions

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

Table 2  Data Type Definitions

<table>
<thead>
<tr>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date and time</td>
<td>Format is YYYY-MM-DDTh:mm:ssZ, where:</td>
</tr>
<tr>
<td></td>
<td>T separates the date and the time</td>
</tr>
<tr>
<td></td>
<td>Z indicates Coordinated Universal Time (UTC), also known as Greenwich Mean Time (GMT)</td>
</tr>
<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>
Numbered Elements

The CyberSource XML schema includes several numbered elements. You can include these complex elements more than once in a request. For example, when a customer order includes more than one item, you must include multiple `<item>` elements in your request. Each item is numbered, starting with 0. The XML schema uses an `id` attribute in the item's opening tag to indicate the number. For example:

```xml
<item id="0">
  <unitPrice>
    <quantity>
  </item>
```

As a name-value pair field name, this tag is called `item_0`. In this portion of the field name, the underscore before the number does not indicate hierarchy in the XML schema. The item fields are generically referred to as `item_#_<element name>` in the documentation.

Below is an example of the numbered `<item>` element and the corresponding name-value pair field names. If you are using the Simple Object Access Protocol (SOAP), the client contains a corresponding `Item` class.

Example 38   Numbered XML Schema Element Names and Name-Value Pair Field Names

<table>
<thead>
<tr>
<th>XML Schema Element Names</th>
<th>Corresponding Name-Value Pair Field Names</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>&lt;item id=&quot;0&quot;&gt;</code></td>
<td><code>item_0_unitPrice</code></td>
</tr>
<tr>
<td><code>&lt;unitPrice&gt;</code></td>
<td></td>
</tr>
<tr>
<td><code>&lt;quantity&gt;</code></td>
<td><code>item_0_quantity</code></td>
</tr>
<tr>
<td><code>&lt;/item&gt;</code></td>
<td></td>
</tr>
<tr>
<td><code>&lt;item id=&quot;1&quot;&gt;</code></td>
<td><code>item_1_unitPrice</code></td>
</tr>
<tr>
<td><code>&lt;unitPrice&gt;</code></td>
<td></td>
</tr>
<tr>
<td><code>&lt;quantity&gt;</code></td>
<td><code>item_1_quantity</code></td>
</tr>
<tr>
<td><code>&lt;/item&gt;</code></td>
<td></td>
</tr>
</tbody>
</table>

Important

When a request is in XML format and includes an `<item>` element, the element must include an `id` attribute. For example: `<item id="0">`. 
Working with Multibyte Character Strings

Some 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 CyberSource API fields.

In some languages, a short name that visually has only three or four characters might be equivalent to 10 or 15 bytes in UTF-8. Therefore, it is important to consider the overall length of a multibyte string to be sure it fits into the allotted ASCII string length.

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

Request Fields

Table 3 Request Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Required (R) / Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apAuthReversalService_authRequestID</td>
<td>Request ID of the authorization that you want to reverse. Set the value of this field to the value of the request ID that was returned in the authorization reply message.</td>
<td>Authorization Reversal (R)</td>
<td>String (26)</td>
</tr>
</tbody>
</table>
| apAuthReversalService_run | Whether to include apAuthReversalService in the request. Possible values:  
- true: Include the service in the request.  
- false (default): Do not include the service in the request. | Authorization Reversal (R) | String (5) |
| apAuthService_preapprovalToken | Token generated by Klarna. When Klarna authorizes the order, Klarna generates a preapproval token and sends it to the browser. See "Overview of a Klarna Transaction," page 12. | Authorization (R) | String (60) |
| apAuthService_run | Whether to include apAuthService in the request. Possible values:  
- true: Include the service in the request.  
- false (default): Do not include the service in the request. | Authorization (R) | String (5) |
### Table 3  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Required (R) / Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apCaptureService_authRequestID</td>
<td>Request ID of the authorization that you want to capture. Set the value of this field to the value of the request ID that was returned in the authorization reply message.</td>
<td>Capture (R)</td>
<td>String (26)</td>
</tr>
<tr>
<td>apCaptureService_run</td>
<td>Whether to include <strong>apCaptureService</strong> in the request. Possible values:</td>
<td>Capture (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>1. <strong>true</strong>: Include the service in the request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. <strong>false</strong> (default): Do not include the service in the request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apCheckStatusService_checkStatusRequestID</td>
<td>Request ID of the authorization for which you want to verify the status. Set the value of this field to the value of the request ID that was returned in the authorization reply message.</td>
<td>Check Status (R)</td>
<td>String (26)</td>
</tr>
<tr>
<td>apCheckStatusService_run</td>
<td>Whether to include <strong>apCheckStatusService</strong> in the request. Possible values:</td>
<td>Check Status (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>1. <strong>true</strong>: Include the service in the request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. <strong>false</strong> (default): Do not include the service in the request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apPaymentType</td>
<td>Identifier for the payment type. Set the value for this field to <strong>KLI</strong>.</td>
<td>Authorization (R)</td>
<td>String (3)</td>
</tr>
<tr>
<td></td>
<td>Authorization Reversal (R)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Capture (R)</td>
<td></td>
<td></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></td>
<td>Sessions (R)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apRefundService_refundRequestID</td>
<td>Request ID of the capture that you want to refund. Set the value of this field to the value of the request ID that was returned in the capture reply message.</td>
<td>Refund (R)</td>
<td>String (26)</td>
</tr>
<tr>
<td>apRefundService_run</td>
<td>Whether to include <strong>apRefundService</strong> in the request. Possible values:</td>
<td>Refund (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>1. <strong>true</strong>: Include the service in the request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. <strong>false</strong> (default): Do not include the service in the request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apSessionsService_cancelURL</td>
<td>Your web site URL that the customer is directed to after canceling the Klarna payment:</td>
<td>Sessions (R)</td>
<td>String (255)</td>
</tr>
<tr>
<td></td>
<td>1. You direct the customer to the Klarna URL that is included in the authorization response.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. If the customer cancels the payment, Klarna directs the customer to this cancel URL.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Required (R) / Optional (O)</td>
<td>Data Type &amp; Length</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
<td>-----------------------------</td>
<td>--------------------</td>
</tr>
</tbody>
</table>
| apSessionsService_failureURL | Your web site URL that the customer is directed to after the Klarna payment fails:  
1. You direct the customer to the Klarna URL that is included in the authorization response.  
2. If the payment fails, Klarna directs the customer to this failure URL. | Sessions (R) | String (255) |
| apSessionsService_run | Whether to include **apSessionsService** in the request. Possible values:  
- **true**: Include the service in the request.  
- **false** (default): Do not include the service in the request. | Sessions (R) | String (5) |
| apSessionsService_sessionsRequestID | Request ID of the session that you want to update. Set the value of this field to the value of the request ID that was returned in the new session reply message. | Sessions (Required when updating a session.) | String (26) |
| apSessionsService_sessionsType | Whether the request is to create a new session or update an existing session. Possible values:  
- **N** (default): Create a session.  
- **U**: Update a session. | Sessions (O) | String (5) |
| apSessionsService_successURL | Your web site URL that the customer is directed to after successfully completing the Klarna payment:  
1. You direct the customer to the Klarna URL that is included in the authorization response.  
2. If the customer successfully completes the payment, Klarna directs the customer to this success URL. | Sessions (R) | String (255) |
| apUI_borderRadius | Radius for the corners of the borders displayed on the widget. Format:  
<val1>px<val2>px<val3>px<val4>px  
where:  
- <val1> is the radius for the right top corner.  
- <val2> is the radius for the left top corner.  
- <val3> is the radius for the right bottom corner.  
- <val4> is the radius for the left bottom corner.  
**Example** 25px10px25px10px | Sessions (O) | String (25) |
### Table 3  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Required (R) / Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apUI_colorBorder</td>
<td>Color for the border of an area. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apUI_colorBorderSelected</td>
<td>Color for the border of a selected area. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apUI_colorButton</td>
<td>Color for buttons. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apUI_colorButtonText</td>
<td>Color for text on buttons. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apUI_colorCheckBox</td>
<td>Color for check boxes. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apUI_colorCheckboxCheckMark</td>
<td>Color for a selected check box. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apUI_colorHeader</td>
<td>Color for headings. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 3  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Required (R) / Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apUI_colorLink</td>
<td>Color for links. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apUI_colorText</td>
<td>Color for text. Use one of three supported formats:</td>
<td>Sessions (O)</td>
<td>String (10)</td>
</tr>
<tr>
<td></td>
<td>- Hex. Example: #3333FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Partial hex. Example: #33F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Name. Example: neon blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apUI_theme</td>
<td>Your name for the UI theme.</td>
<td>Sessions (O)</td>
<td>String (100)</td>
</tr>
<tr>
<td>billTo_city</td>
<td>City of the billing address.</td>
<td>Authorization (R)</td>
<td>String (50)</td>
</tr>
<tr>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>billTo_country</td>
<td>Country of the billing address. Use the two-character ISO Standard Country Codes.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong> If the billing country is the U.S., the billTo_state and billTo_postalCode fields are also required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong> The value for this field when you create a session must be the same as the value when you update a session.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Authorizations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The value for this field must be the same value that was used for the sessions request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>billTo_dateOfBirth</td>
<td>Customer’s date of birth.</td>
<td>Authorization (O)</td>
<td>String (8)</td>
</tr>
<tr>
<td></td>
<td>Format: YYYYMMDD</td>
<td>Sessions (O)</td>
<td></td>
</tr>
<tr>
<td>billTo_district</td>
<td>Customer’s neighborhood, community, or region within the city or municipality. When you include this field in a request, the value for this field must be the same as the value for the billTo_state field.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>billTo_email</td>
<td>Customer’s email address.</td>
<td>Authorization (R)</td>
<td>String (255)</td>
</tr>
<tr>
<td></td>
<td>Refund (O but recommended)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Required (R) / Optional (O)</td>
<td>Data Type &amp; Length</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------------------------------------------------</td>
<td>----------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>billTo_firstName</td>
<td>Customer’s first name.</td>
<td>Authorization (R)</td>
<td>String (60)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Refund (O but recommended)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
</tr>
<tr>
<td>billTo_language</td>
<td>Language code and country code used for the transaction.</td>
<td>Authorization (O)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>Format: [language code][dash][country code]</td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Possible values:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DA-DK: Danish-Denmark</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DE-AU: German-Austria</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DE-DE: German-German</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EN-GB: English-United Kingdom</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EN-US: English-United States</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FI-FI: Finnish-Finland</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NB-NO: Norwegian-Norway</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NL-NL: Dutch-Netherlands</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SV-FI: Swedish-Finland</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SV-SE: Swedish-Sweden</td>
<td></td>
<td></td>
</tr>
<tr>
<td>billTo_lastName</td>
<td>Customer’s last name.</td>
<td>Authorization (R)</td>
<td>String (60)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Refund (Optional but recommended)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
</tr>
<tr>
<td>billTo_phoneNumber</td>
<td>Customer’s phone number. CyberSource recommends that you include the country code when the order is from outside the U.S.</td>
<td>Authorization (O)</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sessions (O)</td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Required (R) / Optional (O)</td>
<td>Data Type &amp; Length</td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-----------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>billTo_postalCode</td>
<td>Postal code for the billing address. The postal code must consist of 5 to 9 digits. When the billing country is the U.S., the 9-digit postal code must follow this format: [5 digits][dash][4 digits] <strong>Example</strong>: 12345-6789 When the billing country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space][numeric][alpha][numeric] <strong>Example</strong>: A1B 2C3 <strong>Note</strong>: The postal code specified when you create the session can be different when you update the session.</td>
<td>Authorization (R when the billing country is the U.S. or Canada) Sessions (Required when updating a session and the billing country is the U.S.)</td>
<td>String (10)</td>
</tr>
<tr>
<td>billTo_state</td>
<td>State or province of the billing address. For an address in the U.S. or Canada, use the <em>State, Province, and Territory Codes for the United States and Canada.</em> <strong>Note</strong>: The state specified when you create the session can be different when you update the session</td>
<td>Authorization (R when the billing country is the U.S. or Canada) Sessions (Required when updating a session.)</td>
<td>String (50)</td>
</tr>
<tr>
<td>billTo_street1</td>
<td>First line of the billing street address.</td>
<td>Authorization (R) Sessions (Required when updating a session.)</td>
<td>String (60)</td>
</tr>
<tr>
<td>billTo_street2</td>
<td>Additional address information.</td>
<td>Authorization (O) Sessions (Required when updating a session.)</td>
<td>String (60)</td>
</tr>
<tr>
<td>item_#_discountAmount</td>
<td>Item-level discount amount. If the item quantity is 1, this value is the discount for the item. If the item quantity is more than 1, this value is the discount for the entire quantity of the item. See &quot;Numbered Elements,&quot; page 47.</td>
<td>Authorization (O) Sessions (O)</td>
<td>String (15)</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Required (R) / Optional (O)</td>
<td>Data Type &amp; Length</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>item_#_productCode</td>
<td>Type of product. For coupons, set the value for this field to coupon. See &quot;Coupons,&quot; page 20. See &quot;Numbered Elements,&quot; page 47.</td>
<td>Authorization, Capture, Refund, Sessions</td>
<td>String (6)</td>
</tr>
<tr>
<td>item_#_productName</td>
<td>Product name.</td>
<td>Authorization (O)</td>
<td>String (255)</td>
</tr>
<tr>
<td></td>
<td>See &quot;Numbered Elements,&quot; page 47.</td>
<td>Capture (O but recommended), Refund (O but recommended), Sessions (R)</td>
<td></td>
</tr>
<tr>
<td>item_#_productSKU</td>
<td>Identification code for the product.</td>
<td>Authorization, Capture, Refund, Sessions</td>
<td>String (255)</td>
</tr>
<tr>
<td></td>
<td>See &quot;Numbered Elements,&quot; page 47.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>item_#_quantity</td>
<td>The default is 1.</td>
<td>Authorization (O)</td>
<td>Nonnegative integer (10)</td>
</tr>
<tr>
<td></td>
<td>See &quot;Numbered Elements,&quot; page 47.</td>
<td>Capture (O but recommended), Refund (O but recommended), Sessions (R)</td>
<td></td>
</tr>
<tr>
<td>item_#_taxAmount</td>
<td>Item-level tax amount. If the item quantity is 1, this value is the tax for the item. If the item quantity is more than 1, this value is the tax for the entire quantity of the item. See &quot;Numbered Elements,&quot; page 47.</td>
<td>Authorization (Not used for the U.S.; recommended for other countries.) Sessions (Not used for the U.S.; recommended for other countries.)</td>
<td>String (15)</td>
</tr>
</tbody>
</table>
### Table 3  Request Fields ( Continued )

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Required (R) / Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>item_#_taxRate</td>
<td>Tax rate for the item.</td>
<td>Authorization (O)</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>See &quot;Numbered Elements,&quot; page 47.</td>
<td>Sessions (O)</td>
<td></td>
</tr>
<tr>
<td>item_#_totalAmount</td>
<td>Item-level total amount. If the item quantity is 1, then this value is the total amount for the item. If the item quantity is more than 1, then this value is the total amount for the entire quantity of the item.</td>
<td>Authorization (O)</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>See &quot;Numbered Elements,&quot; page 47.</td>
<td>Capture (O but recommended)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Refund (O but recommended)</td>
<td>Sessions (R)</td>
<td></td>
</tr>
<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>Authorization (O)</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>See &quot;Numbered Elements,&quot; page 47.</td>
<td>Capture (O but recommended)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Refund (O but recommended)</td>
<td>Sessions (R)</td>
<td></td>
</tr>
<tr>
<td>Authorization and Sessions</td>
<td>If a discount applies to the cost of the item, this value includes the discount amount. For example, if the original (pre-discount) price is 10.00 and the discount amount is 5.00, the price of the item is 15.00. Do not include the tax amount in this value.</td>
<td>Authorization (O)</td>
<td></td>
</tr>
<tr>
<td>merchantID</td>
<td>Your CyberSource merchant ID. Use the same merchant ID for evaluation, testing, and production.</td>
<td>Required for all services.</td>
<td>String (30)</td>
</tr>
<tr>
<td>merchantReferenceCode</td>
<td>Merchant-generated transaction number 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 information about tracking orders and transactions, see Getting Started with CyberSource Advanced for the Simple Order API.</td>
<td>Required for all services.</td>
<td>String (50)</td>
</tr>
<tr>
<td>purchaseTotals_currency</td>
<td>Currency for the transaction. Use the three-character ISO Standard Currency Codes.</td>
<td>Required for all services.</td>
<td>String (5)</td>
</tr>
<tr>
<td>purchaseTotals_discountAmount</td>
<td>Total discount for the entire order.</td>
<td>Sessions (O)</td>
<td>String (15)</td>
</tr>
</tbody>
</table>
### Table 3 Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Required (R) / Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>purchaseTotals_</td>
<td>Description: Grand total for the transaction. 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>Authorization (R)</td>
<td>String (15)</td>
</tr>
<tr>
<td>grandTotalAmount</td>
<td></td>
<td>Sessions (R)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Authorizations: The value for this field must be the same value that was used for the sessions request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>purchaseTotals_</td>
<td>Description: Total tax amount for the order.</td>
<td>Authorization (R)</td>
<td>String (15)</td>
</tr>
<tr>
<td>taxAmount</td>
<td>Authorization (Recommended for the U.S.; not used for other countries.)</td>
<td>Sessions (R)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Authorization (Recommended for the U.S.; not used for other countries.)</td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
</tr>
<tr>
<td>shipTo_city</td>
<td>Description: City of the shipping address.</td>
<td>Authorization (O)</td>
<td>String (40)</td>
</tr>
<tr>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>shipTo_country</td>
<td>Description: Country of the shipping address. Use the two-character ISO Standard Country Codes.</td>
<td>Authorization (O)</td>
<td>String (2)</td>
</tr>
<tr>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>shipTo_district</td>
<td>Description: Neighborhood, community, or region within a city or municipality.</td>
<td>Authorization (O)</td>
<td>String (50)</td>
</tr>
<tr>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>shipTo_email</td>
<td>Description: Email of the recipient.</td>
<td>Authorization (O)</td>
<td>String (255)</td>
</tr>
<tr>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>shipTo_firstName</td>
<td>Description: First name of the recipient.</td>
<td>Authorization (O)</td>
<td>String (60)</td>
</tr>
<tr>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>shipTo_lastName</td>
<td>Description: Last name of the recipient.</td>
<td>Authorization (O)</td>
<td>String (60)</td>
</tr>
<tr>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Appendix A  API Fields

#### Table 3  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Required (R) / Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>shipTo_phoneNumber</td>
<td>Phone number for the shipping address.</td>
<td>Authorization (O)</td>
<td>String (20)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sessions (O)</td>
<td></td>
</tr>
<tr>
<td>shipTo_postalCode</td>
<td>Postal code for the shipping address. The postal code must consist of 5 to 9 digits. When the shipping country is the U.S., the 9-digit postal code must follow this format: [5 digits][dash][4 digits] <strong>Example</strong> 12345-6789 When the shipping country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space] [numeric][alpha][numeric] <strong>Example</strong> A1B 2C3</td>
<td>Authorization (O) Sessions (Required when updating a session.)</td>
<td>String (20)</td>
</tr>
<tr>
<td>shipTo_state</td>
<td>State or province of the shipping address. Use the State, Province, and Territory Codes for the United States and Canada.</td>
<td>Authorization (O)</td>
<td>String (40)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
</tr>
<tr>
<td>shipTo_street1</td>
<td>First line of the shipping address.</td>
<td>Authorization (O)</td>
<td>String (100)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
</tr>
<tr>
<td>shipTo_street2</td>
<td>Second line of the shipping address.</td>
<td>Authorization (O)</td>
<td>String (100)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sessions (Required when updating a session.)</td>
<td></td>
</tr>
</tbody>
</table>

#### Table 4  Reply Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apAuthReply_amount</td>
<td>Authorized amount.</td>
<td>Authorization</td>
<td>String (15)</td>
</tr>
<tr>
<td>apAuthReply_dateTime</td>
<td>Date and time when the service was requested.</td>
<td>Authorization</td>
<td>String (20)</td>
</tr>
<tr>
<td>apAuthReply_merchantURL</td>
<td>Klarna URL. Direct the customer to this URL after the transaction is completed.</td>
<td>Authorization</td>
<td>String (2048)</td>
</tr>
</tbody>
</table>
### Table 4  Reply Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apAuthReply_paymentStatus</td>
<td>Klarna authorization status. Possible values:</td>
<td>Authorization</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>■ AUTHORIZED: Payment successfully authorized.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ PENDING: Request received and waiting to be processed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ FAILED: Request failed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apAuthReply_processorResponse</td>
<td>Code from Klarna that describes why the authorization is pending or failed. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Authorization</td>
<td>String (5)</td>
</tr>
<tr>
<td>apAuthReply_processorTransactionID</td>
<td>Klarna-generated transaction identifier.</td>
<td>Authorization</td>
<td>String (50)</td>
</tr>
<tr>
<td>apAuthReply_reasonCode</td>
<td>Numeric value corresponding to the result of the authorization request. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Authorization</td>
<td>Integer (5)</td>
</tr>
<tr>
<td>apAuthReply_reconciliationID</td>
<td>CyberSource-generated reference number. You can use this value to reconcile your transactions with information from Klarna and information in CyberSource reports.</td>
<td>Authorization</td>
<td>String (60)</td>
</tr>
<tr>
<td>apAuthReply_status</td>
<td>Klarna authorization status. Possible values:</td>
<td>Authorization</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>■ AUTHORIZED: Payment successfully authorized.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ PENDING: Request received and waiting to be processed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ FAILED: Request failed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apAuthReversalReply_amount</td>
<td>Amount that was reversed.</td>
<td>Authorization Reversal</td>
<td>String (15)</td>
</tr>
<tr>
<td>apAuthReversalReply_dateTime</td>
<td>Date and time when the service was requested.</td>
<td>Authorization Reversal</td>
<td>String (20)</td>
</tr>
<tr>
<td>apAuthReversalReply_paymentStatus</td>
<td>Klarna authorization reversal status. Possible values:</td>
<td>Authorization Reversal</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>■ AUTH_REVERSED: Authorization successfully reversed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ FAILED: Request failed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 4  Reply Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apAuthReversalReply_processorResponse</td>
<td>Code from Klarna that describes why the authorization reversal failed. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Authorization Reversal</td>
<td>String (5)</td>
</tr>
<tr>
<td>apAuthReversalReply_reasonCode</td>
<td>Numeric value corresponding to the result of the authorization reversal request. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Authorization Reversal</td>
<td>Integer (5)</td>
</tr>
<tr>
<td>apAuthReversalReply_reconciliationID</td>
<td>CyberSource-generated reference number. You can use this value to reconcile your transactions with information from Klarna and information in CyberSource reports.</td>
<td>Authorization Reversal</td>
<td>String (60)</td>
</tr>
<tr>
<td>apAuthReversalReply_status</td>
<td>Klarna authorization reversal status. Possible values:</td>
<td>Authorization Reversal</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>• AUTH_REVERSED: Authorization successfully reversed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• FAILED: Request failed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apCaptureReply_amount</td>
<td>Amount that was captured.</td>
<td>Capture</td>
<td>String (15)</td>
</tr>
<tr>
<td>apCaptureReply_dateTime</td>
<td>Date and time when the service was requested.</td>
<td>Capture</td>
<td>String (20)</td>
</tr>
<tr>
<td>apCaptureReply_paymentStatus</td>
<td>Klarna capture status. Possible values:</td>
<td>Capture</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>• FAILED: Request failed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• PENDING: Request received and waiting to be processed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• SETTLED: Payment successfully captured.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apCaptureReply_processorResponse</td>
<td>Code from Klarna that describes why the capture is pending or failed. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Capture</td>
<td>String (5)</td>
</tr>
<tr>
<td>apCaptureReply_processorTransactionID</td>
<td>Klarna-generated transaction identifier.</td>
<td>Capture</td>
<td>String (50)</td>
</tr>
<tr>
<td>apCaptureReply_reasonCode</td>
<td>Numeric value corresponding to the result of the capture request. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Capture</td>
<td>Integer (5)</td>
</tr>
<tr>
<td>apCaptureReply_reconciliationID</td>
<td>CyberSource-generated reference number. You can use this value to reconcile your transactions with information from Klarna and information in CyberSource reports.</td>
<td>Capture</td>
<td>String (60)</td>
</tr>
</tbody>
</table>
### Table 4  Reply Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>apCaptureReply_responseCode</code></td>
<td>Klarna response code. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Capture</td>
<td>String (5)</td>
</tr>
</tbody>
</table>
| `apCaptureReply_status` | Klarna capture status. Possible values:  
  - FAILED: Request failed.  
  - PENDING: Request received and waiting to be processed.  
  - SETTLED: Payment successfully captured. | Capture | String (15) |
| `apCheckStatusReply_paymentStatus` | Klarna payment status. Possible values:  
  - PENDING: Payment was initiated. Do not ship the goods.  
  - SETTLED: Payment is complete and the funds have been deposited in your merchant account. Ship the goods.  
  - FAILED: Payment failed.  
  - ABANDONED: Customer did not confirm the payment or customer canceled the payment.  
  - AUTHORIZED: Customer authorized the payment. | Check Status | String (15) |
| `apCheckStatusReply_reasonCode` | Numeric value corresponding to the result of the check status request. See Appendix B, "Reason Codes and Klarna Response Codes," on page 64. | Check Status | Integer (5) |
| `apCheckStatusReply_reconciliationID` | CyberSource-generated reference number. You can use this value to reconcile your transactions with information from Klarna and information in CyberSource reports. | Check Status | String (60) |
| `apRefundReply_amount` | Amount that was refunded. | Refund | String (15) |
| `apRefundReply_dateTime` | Date and time when the service was requested. | Refund | String (20) |
| `apRefundReply_paymentStatus` | Klarna refund status. Possible values:  
  - REFUNDED: Payment successfully refunded.  
  - FAILED: Request failed. | Refund | String (15) |
| `apRefundReply_processorResponse` | Code from Klarna that describes why the refund failed. See Appendix B, "Reason Codes and Klarna Response Codes," on page 64. | Refund | String (5) |
| `apRefundReply_processorTransactionID` | Klarna-generated transaction identifier. | Refund | String (50) |
### Table 4  Reply Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>apRefundReply_reasonCode</td>
<td>Numeric value corresponding to the result of the refund request. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Refund</td>
<td>Integer (5)</td>
</tr>
<tr>
<td>apRefundReply_reconciliationID</td>
<td>CyberSource-generated reference number. You can use this value to reconcile your transactions with information from Klarna and information in CyberSource reports.</td>
<td>Refund</td>
<td>String (60)</td>
</tr>
<tr>
<td>apRefundReply_responseCode</td>
<td>Klarna response code. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>Refund</td>
<td>String (5)</td>
</tr>
</tbody>
</table>
| apRefundReply_status | Klarna refund status. Possible values:  
  - REFUNDED: Payment successfully refunded.  
  - FAILED: Request failed.                     | Refund      | String (15)         |
| apSessionsReply_processorToken | Klarna-generated token. Include this value when you call the Klarna.Credit.init function to initialize the Klarna SDK. See “Overview of a Klarna Transaction,” page 12. | Sessions    | String (500)        |
| apSessionsReply_reasonCode | Numeric value corresponding to the result of the sessions request. See Appendix B, "Reason Codes and Klarna Response Codes," on page 64. | Sessions    | Integer (5)         |
| apSessionsReply_responseCode | Klarna response code. See Appendix B, "Reason Codes and Klarna Response Codes," on page 64.             | Sessions    | String (5)          |
| decision | Summarizes the result of the overall request. Possible values:  
  - ACCEPT  
  - ERROR  
  - REJECT  
  For details about these values, see the information about handling replies in Getting Started with CyberSource Advanced for the Simple Order API. | All services | String (6)          |
### Table 4  Reply Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>merchantReferenceCode</td>
<td>Merchant-generated transaction number 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 information about tracking orders and transactions, see <em>Getting Started with CyberSource Advanced for the Simple Order API.</em></td>
<td>All services</td>
<td>String (50)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Capture</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Refund</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sessions</td>
<td></td>
</tr>
<tr>
<td>reasonCode</td>
<td>Numeric value corresponding to the result of the overall request. See Appendix B, &quot;Reason Codes and Klarna Response Codes,&quot; on page 64.</td>
<td>All services</td>
<td>Integer (5)</td>
</tr>
<tr>
<td>requestID</td>
<td>Identifier for the request.</td>
<td>All services</td>
<td>String (26)</td>
</tr>
<tr>
<td>requestToken</td>
<td>Request token data created by CyberSource for each reply. The field is an encoded string that contains no confidential information such as an account or card verification number. The string can contain a maximum of 256 characters.</td>
<td>All services</td>
<td>String (256)</td>
</tr>
</tbody>
</table>
CyberSource recommends using the reason code value and the Klarna response code to determine the transaction result.

### Table 5  Reason Codes and Klarna Response Codes

<table>
<thead>
<tr>
<th>Reason Code</th>
<th>Klarna Response Codes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>00000—status: completed.</td>
<td>Successful transaction.</td>
</tr>
<tr>
<td></td>
<td>00001—status: pending.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>00002—status: abandoned.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>00003—status: authorized.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>00004—status: settled.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>00006—status: refunded.</td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>10000—status: failed.</td>
<td>One or more fields in the request contain invalid data.</td>
</tr>
<tr>
<td>150</td>
<td>20000—status: failed.</td>
<td>Possible reasons:</td>
</tr>
<tr>
<td></td>
<td>20001—status: failed.</td>
<td>- The signature was not included in the HTTP header.</td>
</tr>
<tr>
<td></td>
<td>20002—status: failed.</td>
<td>- The signature in the HTTP header has expired, or it is not a valid signature.</td>
</tr>
<tr>
<td></td>
<td>30000—status: failed.</td>
<td>- The API version in the HTTP header was missing or is not supported.</td>
</tr>
<tr>
<td></td>
<td>30100—status: failed.</td>
<td></td>
</tr>
<tr>
<td>203</td>
<td>30200—status: failed.</td>
<td>Klarna declined the transaction because of funding source problems, or the transaction was flagged as high risk.</td>
</tr>
<tr>
<td></td>
<td>30400—status: failed.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30500—status: failed.</td>
<td></td>
</tr>
<tr>
<td>204</td>
<td>30350—status: failed.</td>
<td>Payment declined because of insufficient funds in the account.</td>
</tr>
<tr>
<td>233</td>
<td>30600—status: failed.</td>
<td>Klarna declined the transaction because of tax errors or government compliance errors.</td>
</tr>
<tr>
<td></td>
<td>30700—status: failed.</td>
<td></td>
</tr>
</tbody>
</table>
### Table 6 Field Map

<table>
<thead>
<tr>
<th>Klarna API Field Name</th>
<th>Simple Order API Field Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>authorization_token</td>
<td>apAuthService_preapprovalToken</td>
</tr>
<tr>
<td>billing_address.city</td>
<td>billTo_city</td>
</tr>
<tr>
<td>billing_address.country</td>
<td>billTo_country</td>
</tr>
<tr>
<td>billing_address.email</td>
<td>billTo_email</td>
</tr>
<tr>
<td>billing_address.family_name</td>
<td>billTo_firstName</td>
</tr>
<tr>
<td>billing_address.given_name</td>
<td>billTo_firstName</td>
</tr>
<tr>
<td>billing_address.phone</td>
<td>billTo_phoneNumber</td>
</tr>
<tr>
<td>billing_address.postal_code</td>
<td>billTo_postalCode</td>
</tr>
<tr>
<td>billing_address.region</td>
<td>billTo_district</td>
</tr>
<tr>
<td>billing_address.street_address</td>
<td>billTo_street1</td>
</tr>
<tr>
<td>billing_address.street_address2</td>
<td>billTo_street2</td>
</tr>
<tr>
<td>billing_address.title</td>
<td>billTo_title</td>
</tr>
<tr>
<td>customer.date_of_birth</td>
<td>billTo_dateOfBirth</td>
</tr>
<tr>
<td>customer.gender</td>
<td>billTo_gender</td>
</tr>
<tr>
<td>locale</td>
<td>billTo_language</td>
</tr>
<tr>
<td>merchant_urls.confirmation</td>
<td>apAuthService_successURL</td>
</tr>
<tr>
<td>options.color_border</td>
<td>apUI_colorBorder</td>
</tr>
<tr>
<td>options.color_border_selected</td>
<td>apUI_colorBorderSelected</td>
</tr>
<tr>
<td>options.color_button</td>
<td>apUI_colorButton</td>
</tr>
<tr>
<td>options.color_button_text</td>
<td>apUI_colorButtonText</td>
</tr>
<tr>
<td>options.color_checkbox</td>
<td>apUI_colorCheckbox</td>
</tr>
<tr>
<td>options.color_checkbox_checkmark</td>
<td>apUI_colorCheckboxCheckMark</td>
</tr>
<tr>
<td>options.color_header</td>
<td>apUI_colorHeader</td>
</tr>
<tr>
<td>options.color_link</td>
<td>apUI_colorLink</td>
</tr>
<tr>
<td>options.color_text</td>
<td>apUI_colorText</td>
</tr>
<tr>
<td>options.radius_border</td>
<td>apUI_borderRadius</td>
</tr>
<tr>
<td>order_amount</td>
<td>purchaseTotals_grandTotalAmount</td>
</tr>
<tr>
<td>Klarna API Field Name</td>
<td>Simple Order API Field Name</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>order_lines.name</td>
<td>item.#_productName</td>
</tr>
<tr>
<td>order_lines.reference</td>
<td>item.#_productSKU</td>
</tr>
<tr>
<td>order_lines.tax_rate</td>
<td>item.#_taxRate</td>
</tr>
<tr>
<td>order_lines.total_amount</td>
<td>item.#_totalAmount</td>
</tr>
<tr>
<td>order_lines.quantity</td>
<td>item.#_quantity</td>
</tr>
<tr>
<td>order_lines.tax_amount</td>
<td>item.#_taxAmount</td>
</tr>
<tr>
<td>purchase_country</td>
<td>billTo_country</td>
</tr>
<tr>
<td>purchase_currency</td>
<td>purchaseTotals_currency</td>
</tr>
<tr>
<td>shipping_address.city</td>
<td>shipTo_city</td>
</tr>
<tr>
<td>shipping_address.country</td>
<td>shipTo_country</td>
</tr>
<tr>
<td>shipping_address.email</td>
<td>shipTo_email</td>
</tr>
<tr>
<td>shipping_address.family_name</td>
<td>shipTo_lastName</td>
</tr>
<tr>
<td>shipping_address.given_name</td>
<td>shipTo_firstName</td>
</tr>
<tr>
<td>shipping_address.phone</td>
<td>shipTo_phoneNumber</td>
</tr>
<tr>
<td>shipping_address.postal_code</td>
<td>shipTo_postalCode</td>
</tr>
<tr>
<td>shipping_address.region</td>
<td>shipTo_district</td>
</tr>
<tr>
<td>shipping_address.street_address</td>
<td>shipTo_street1</td>
</tr>
<tr>
<td>shipping_address.street_address2</td>
<td>shipTo_street2</td>
</tr>
<tr>
<td>shipping_address.title</td>
<td>shipTo_title</td>
</tr>
</tbody>
</table>