Gift Card Services

Using the Simple Order API

November 2019
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# Recent Revisions to This Document

<table>
<thead>
<tr>
<th>Release</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 2019</td>
<td>Updated the description for the <code>giftCard_groupID</code> field in &quot;Request Fields,&quot; page 13.</td>
</tr>
<tr>
<td>September 2019</td>
<td>Fixed the broken links to <code>Reason Codes</code>.</td>
</tr>
<tr>
<td>August 2019</td>
<td>Moved reason codes for the Simple Order API to <code>Reason Codes</code>.</td>
</tr>
<tr>
<td></td>
<td>- Redemption</td>
</tr>
<tr>
<td></td>
<td>- Reversal</td>
</tr>
<tr>
<td></td>
<td>- Void</td>
</tr>
<tr>
<td>May 2019</td>
<td>All processors: updated reason codes. See <code>Reason Codes</code>. Added new processor ValueLink.</td>
</tr>
<tr>
<td></td>
<td>ValueLink: added the following new services. See &quot;Gift Card Processing,&quot; page 7.</td>
</tr>
<tr>
<td></td>
<td>- Redemption</td>
</tr>
<tr>
<td></td>
<td>- Reversal</td>
</tr>
<tr>
<td></td>
<td>- Void</td>
</tr>
</tbody>
</table>
About This Guide

Audience and Purpose

This guide is written for application developers who want to use the CyberSource Simple Order API to integrate gift card management into their payment acceptance system.

Implementing the CyberSource gift card services requires software development skills. You must write code that uses the API request and reply fields to integrate the gift card services into your existing payment acceptance system.

Text and Command Conventions

<table>
<thead>
<tr>
<th>Convention</th>
<th>Usage</th>
</tr>
</thead>
</table>
| **bold**   | - Field and service names in text; for example: Include the **ics_applications** field.  
            | - Items that you are instructed to act upon; for example: Click **Save**. |
| **italic** | - Filenames and pathnames. For example: Add the filter definition and mapping to your **web.xml** file.  
            | - Placeholder variables for which you supply particular values. |
| **screen text** | - XML elements.  
                | - Code examples and samples.  
                | - Text that you enter in an API environment; for example: Set the **giftCardActivationService_run** field to **true**. |
Related Documents

- *Getting Started with CyberSource Advanced for the Simple Order API* describes how to get started using the Simple Order API. (PDF | HTML)

- The *Classic Reporting Developer Guide* describes how to download reports. (PDF | HTML)

- The *CyberSource API Versions page* provides information about the CyberSource API versions.

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
The CyberSource gift card services are supported in a card-present environment. These services enable you to manage the balances for a gift card after it is purchased.

### Table 1  Gift Card Services

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activation</td>
<td>Activates a gift card.</td>
</tr>
<tr>
<td>Balance Inquiry</td>
<td>Checks the balance of a gift card.</td>
</tr>
<tr>
<td>Redemption</td>
<td>Redeems a gift card. Types of redemptions:</td>
</tr>
<tr>
<td></td>
<td>- <strong>REDEMPTION</strong>: redeems the gift card for the full amount of the purchase. When the card has insufficient funds, the transaction is declined.</td>
</tr>
<tr>
<td></td>
<td>- <strong>REDEMPTION_PARTIAL_ALLOWED</strong>: redeems the gift card for the full amount. When the card has insufficient funds, the transaction is approved for a partial redemption and prompts the terminal to process a split tender transaction.</td>
</tr>
<tr>
<td></td>
<td>- <strong>CASHOUT</strong>: redeems the remaining funds on the gift card for cash, brings the balance to zero, and closes the account. This option is available when the gift card balance is below a preset minimum.</td>
</tr>
<tr>
<td>Reversal</td>
<td>Reverses a timed-out activation, redemption, voided activation, or voided redemption.</td>
</tr>
<tr>
<td>Void</td>
<td>VOIDS an activation or redemption.</td>
</tr>
</tbody>
</table>

### Supported Processors

### Table 2  Processors, Card Type, and Services

<table>
<thead>
<tr>
<th>Processor</th>
<th>Card Type</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDC Nashville Global</td>
<td>Visa</td>
<td>- Activation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Balance inquiry</td>
</tr>
<tr>
<td>ValueLink</td>
<td>ValueLink</td>
<td>All gift card services.</td>
</tr>
</tbody>
</table>
Activating a Gift Card

To create a gift card activation request:

**Step 1**  Do not include any other services in the request.

**Step 2**  Include the required fields in the request:
- card_accountNumber or pos_trackData
- card_cardType
- giftCardActivationService_commerceIndicator—set to internet.
- giftCardActivationService_run—set to true.
- merchantID
- merchantReferenceCode
- merchantTransactionIdentifier—required only on ValueLink.
- purchaseTotals_currency
- purchaseTotals_grandTotalAmount—required only for non-denominated cards.

See Appendix A, "API Fields," on page 12 for:
- Detailed descriptions of these required request fields
- Optional request fields
- Reply fields

Obtaining a Gift Card Balance

To create a gift card balance inquiry request:

**Step 1**  Do not include any other services in the request.

**Step 2**  Include the required fields in the request:
- card_accountNumber or pos_trackData
- card_cardType
- giftCard_balanceCurrency
- giftCardBalanceInquiryService_commerceIndicator—set to internet.
- giftCardBalanceInquiryService_run—set to true.
- merchantID
- merchantReferenceCode
Chapter 1  Gift Card Processing

See Appendix A, "API Fields," on page 12 for:
- Detailed descriptions of these required request fields
- Optional request fields
- Reply fields

---

Redeeming a Gift Card

To create a gift card redemption request:

**Step 1**
Do not include any other services in the request.

**Step 2**
Include the required fields in the request:
- card_accountNumber or pos_trackData
- card_cardType
- giftCard_redemptionType
- giftCardRedemptionService_commerceIndicator—set to internet.
- giftCardRedemptionService_run—set to true.
- merchantID
- merchantReferenceCode
- merchantTransactionIdentifier
- purchaseTotals_currency
- purchaseTotals_grandTotalAmount—required when giftCard_redemptionType is REDEMPTION or REDEMPTION_PARTIAL_ALLOWED.

See Appendix A, "API Fields," on page 12 for:
- Detailed descriptions of these required request fields
- Optional request fields
- Reply fields
Reversing a Gift Card Transaction

Request the reversal service when a timeout occurs on an activation, redemption, or void.

To create a gift card reversal request:

**Step 1** Include the `merchantTransactionIdentifier` field in your original transaction request for an activation, redemption, or void.

The value of the merchant transaction ID must be unique for 60 days.

**Step 2** When you do not receive a reply message for your original transaction request, initiate a reversal request with the `merchantTransactionIdentifier` used in your original transaction request.

Include the required fields in the request:
- `giftCardReversalService_run`—set to `true`.
- `merchantID`
- `merchantReferenceCode`
- `merchantTransactionIdentifier`

See Appendix A, "API Fields," on page 12 for:
- Detailed descriptions of these required request fields
- Optional request fields
- Reply fields

When the reversal is successful, you can retry the original transaction.

When the reversal fails, the original transaction probably never went through and you can retry the original transaction.

**Step 3** Retry the original transaction.
Voiding a Gift Card Transaction

To create a gift card void request:

**Step 1**  Do not include any other services in the request.

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

- `giftCard_originalRequestID`
- `giftCardVoidService_run—set to true.`
- `merchantID`
- `merchantReferenceCode`
- `merchantTransactionIdentifier`

See Appendix A, "API Fields," on page 12 for:

- Detailed descriptions of these required request fields
- Optional request fields
- Reply fields
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 3  Data Type Definitions

<table>
<thead>
<tr>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| Date and time | Format is YYYY-MM-DDTh:mm:ssZ, where:  
  ▪ T separates the date and the time  
  ▪ Z indicates Coordinated Universal Time (UTC), also known as Greenwich Mean Time (GMT)  
| Integer     | Whole number {..., -3, -2, -1, 0, 1, 2, 3, ...}                               |
| String      | Sequence of letters, numbers, spaces, and special characters                 |
## Request Fields

### Table 4 Request Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<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]</td>
<td>Activation (O) Balance Inquiry (O) Redemption (O)</td>
<td>String (11)</td>
</tr>
<tr>
<td></td>
<td><strong>Example</strong> 12345-6789</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>When the billing country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space] [numeric][alpha][numeric]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Example</strong> A1B 2C3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>This field is supported only on ValueLink.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>card_accountNumber</td>
<td>Gift card account number.</td>
<td>Activation (R if track data is not included in the request.) Balance Inquiry (R if track data is not included in the request.) Redemption (R if track data is not included in the request.)</td>
<td>String with numbers only (19)</td>
</tr>
<tr>
<td>card_cardType</td>
<td>Card type associated with the gift card. Value: ▪ 001: Visa ▪ 058: ValueLink</td>
<td>Activation (R) Balance Inquiry (R) Redemption (R)</td>
<td>String (3)</td>
</tr>
<tr>
<td>customerID</td>
<td>Your identifier for the customer. This field is supported only on ValueLink.</td>
<td>Activation (O)</td>
<td>String (16)</td>
</tr>
<tr>
<td>giftCard_balanceCurrency</td>
<td>Your local currency. For possible values, see ISO Standard Currency Codes.</td>
<td>Balance Inquiry (R)</td>
<td>String (3)</td>
</tr>
<tr>
<td>giftCard_extendedAccountNumber</td>
<td>The PIN on the back of the gift card. This field is supported only on ValueLink.</td>
<td>Redemption (O)</td>
<td>Integer (8)</td>
</tr>
<tr>
<td>giftCard_groupID</td>
<td>Value that you create that enables you to identify a group of transactions. This field is supported only on ValueLink.</td>
<td>Activation (O) Redemption (O)</td>
<td>Integer (6)</td>
</tr>
</tbody>
</table>
### Gift Card Services Using the Simple Order API

#### November 2019

**Appendix A  API Fields**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>giftCard_originalRequestID</td>
<td>Request ID for the original transaction that you want to reverse or void. This field is supported only on ValueLink.</td>
<td>Void (R)</td>
<td>Integer (25)</td>
</tr>
<tr>
<td>giftCard_redemptionType</td>
<td>Type of redemption. Possible values: CASHOUT, REDEMPTION, REDEMPTION_PARTIAL_ALLOWED (default)</td>
<td>Redemption (R)</td>
<td>String (26)</td>
</tr>
<tr>
<td>giftCard_transactionPostingDate</td>
<td>Date that appears on your ValueLink merchant report. Date for one of these days in your time zone: Day before the transaction was sent, Day the transaction was sent, Day after the transaction was sent. When this field is not included in the request, ValueLink sets the value for this field to the date the transaction was sent using your cutoff time. You determine the cutoff time during your onboarding with ValueLink. Format: YYYYMMDD</td>
<td>Activation (O), Balance Inquiry (O), Redemption (O), Void (O)</td>
<td>String (8)</td>
</tr>
<tr>
<td>giftCardActivationService_commerceIndicator</td>
<td>Type of transaction. Possible values: internet (default): E-commerce order placed using a web site, retail: Card-present transaction</td>
<td>Activation (R)</td>
<td>String (20)</td>
</tr>
<tr>
<td>giftCardActivationService_reconciliationID</td>
<td>Reference number for the transaction. See Getting Started with CyberSource Advanced for the Simple Order API for information about order tracking and reconciliation.</td>
<td>Activation (O)</td>
<td>FDC, Nashville Global: String (12), ValueLink: String (17)</td>
</tr>
</tbody>
</table>
### API Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>giftCardActivationService_run</td>
<td>Whether to include the gift card activation service in your request. Possible values:</td>
<td>Activation (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>- true: Include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- false (default): Do not include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCardBalanceInquiryService_commerceIndicator</td>
<td>Type of transaction. Possible values:</td>
<td>Balance Inquiry (R)</td>
<td>String (20)</td>
</tr>
<tr>
<td></td>
<td>- internet (default): E-commerce order placed using a web site.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- retail: Card-present transaction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCardBalanceInquiryService_run</td>
<td>Whether to include the gift card balance inquiry service in your request. Possible values:</td>
<td>Balance Inquiry (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>- true: Include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- false (default): Do not include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCardRedemptionService_commerceIndicator</td>
<td>Type of transaction. Possible values:</td>
<td>Redemption (R)</td>
<td>String (20)</td>
</tr>
<tr>
<td></td>
<td>- internet (default): E-commerce order placed using a web site.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- retail: Card-present transaction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCardRedemptionService_reconciliationID</td>
<td>Reference number for the transaction. See <a href="https://www.cybersource.com">Getting Started with CyberSource Advanced for the Simple Order API</a> for information about order tracking and reconciliation. This field is supported only on ValueLink.</td>
<td>Redemption (O)</td>
<td>String (17)</td>
</tr>
<tr>
<td>giftCardRedemptionService_run</td>
<td>Whether to include the gift card balance inquiry service in your request. Possible values:</td>
<td>Redemption (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>- true: Include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- false (default): Do not include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Used By: Required (R) or Optional (O)</td>
<td>Data Type &amp; Length</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>----------------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>giftCardReversalService_run</td>
<td>Whether to include the gift card balance inquiry service in your request.</td>
<td>Reversal (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>Possible values:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- true: Include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- false (default): Do not include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCardVoidService_run</td>
<td>Whether to include the gift card balance inquiry service in your request.</td>
<td>Void (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>Possible values:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- true: Include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- false (default): Do not include the service in your request.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>invoiceHeader_clerkID</td>
<td>Your identifier for a clerk.</td>
<td>Activation (O)</td>
<td>String (8)</td>
</tr>
<tr>
<td></td>
<td>This field is supported only on ValueLink.</td>
<td>Balance Inquiry (O)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Redemption (O)</td>
<td></td>
</tr>
<tr>
<td>invoiceHeader_merchantDescriptorCountry</td>
<td>Country in which your business is located. Use the two-character ISO Standard Country Codes.</td>
<td>Activation (O)</td>
<td>String (2)</td>
</tr>
<tr>
<td></td>
<td>This value might be displayed on the cardholder’s statement.</td>
<td>Redemption (O)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This field is supported only on ValueLink.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 4  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
</table>
| merchantDefinedData_mddField_1 and  
merchantDefinedData_mddField_2                        | Fields that you can use to store information. **Warning** Merchant-defined data fields are not intended to and *must not* be used to capture personally identifying information. Accordingly, merchants are prohibited from capturing, obtaining, and/or transmitting any personally identifying information in or via the merchant-defined data fields. Personally identifying information includes, but is not limited to, address, payment card number, social security number, driver's license number, state-issued identification number, passport number, and card verification numbers (CVV, CVC2, CVV2, CID, CVN). In the event CyberSource discovers that a merchant is capturing and/or transmitting personally identifying information via the merchant-defined data fields, whether or not intentionally, CyberSource will immediately suspend the merchant's account, which will result in a rejection of any and all transaction requests submitted by the merchant after the point of suspension. This field is supported only on ValueLink. | Activation (O)  
Balance Inquiry (O)  
Redemption (O)  
Void (O) | String (20) |
| merchantID                                          | Your CyberSource merchant ID. Use the same merchant ID for evaluation, testing, and production.                                                                                                   | Required for all CyberSource services.                | String (30)        |
| merchantReferenceCode                               | 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*. | Required for all CyberSource services.                | String (50)        |
| merchantTransactionIdentifier                      | Identifier that you assign to the transaction. This field is supported only on ValueLink.                                                                                                              | Activation (R)  
Redemption (R)  
Reversal (R)  
Void (R) | String (30)        |
### Table 4  Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>pos_terminalID</td>
<td>Identifier for the terminal at your retail location.</td>
<td>Activation (O)</td>
<td>String (4)</td>
</tr>
<tr>
<td></td>
<td><strong>FDC Nashville Global</strong></td>
<td>Balance Inquiry (O)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>To have your account configured to support this field, contact CyberSource</td>
<td>Redemption (O)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Customer Support. This value must be a value that FDC Nashville Global issued</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>to you.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ValueLink</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>You can define this value, but consult ValueLink for requirements.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pos_trackData</td>
<td>Card’s track 1 and 2 data. This value consists of one of the following:</td>
<td>Activation (R if card account number is not included)</td>
<td>String (19)</td>
</tr>
<tr>
<td></td>
<td>▪ Track 1 data</td>
<td>Balance Inquiry (R if card account number is not</td>
<td></td>
</tr>
<tr>
<td></td>
<td>▪ Track 2 data</td>
<td>included)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>▪ Data for both tracks 1 and 2</td>
<td>Redemption (R if card account number is not included)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Example</strong> %B4111111111111111^SMITH/JOHN ^16121019761100008680000000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>?;4111111111111111=1612101976118680000000?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>purchaseTotals_currency</td>
<td>Currency for the card that is being activated. For possible values see ISO</td>
<td>Activation (R)</td>
<td>String (5)</td>
</tr>
<tr>
<td></td>
<td>Standard Currency Codes.</td>
<td>Redemption (R)</td>
<td></td>
</tr>
<tr>
<td>purchaseTotals_grandTotalAmount</td>
<td>Grand total for the transaction. This value cannot be negative. You can</td>
<td>Activation (R for non-denominated cards, O for</td>
<td>String (15)</td>
</tr>
<tr>
<td></td>
<td>include a decimal point (.), but you cannot include any other special</td>
<td>denominated cards)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>characters. CyberSource truncates the amount to the correct number of</td>
<td>Redemption (R when giftCard_redemptionType is</td>
<td></td>
</tr>
<tr>
<td></td>
<td>decimal places.</td>
<td>REDEMPTION or REDEMPTION_PARTIAL_ALLOWED)</td>
<td></td>
</tr>
</tbody>
</table>
Table 4  
Request Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Used By: Required (R) or Optional (O)</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
</table>
| transactionLocalDateTime | Local date and time at your physical location. Include both the date and time in this field or leave it blank. Format: YYYYMMDDhhmmss where:  
  - YYYY = year  
  - MM = month  
  - DD = day  
  - hh = hour  
  - mm = minutes  
  - ss = seconds | Activation (O)  
  Balance Inquiry (O)  
  Redemption (O)  
  Void (O) | String (14) |

---

**Reply Fields**

Table 5  
Reply Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
</table>
| customerID     | Identifier for the customer or gift card. The activation service associates a number with the gift card and returns the number in this field. After a card has been activated, this identifier is returned in the reply message for all transactions with the gift card.  
  You can use this value to identify a gift card in your system. This value does not require PCI compliance.  
  This field is supported only on ValueLink. | Activation  
  Balance Inquiry  
  Redemption  
  Reversal  
  Void | String (16) |
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>decision</td>
<td>Summarizes the result of the overall request. Possible values:</td>
<td>All CyberSource services</td>
<td>String (6)</td>
</tr>
<tr>
<td></td>
<td>■ ACCEPT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ ERROR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>■ REJECT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>For details about these values, see the information about handling replies in Getting Started with CyberSource Advanced for the Simple Order API.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCard_baseCurrency</td>
<td>Currency assigned to the gift card when it was activated. The gift card currency might not be the same as your local currency. See ISO Standard Currency Codes. This field is supported only on ValueLink.</td>
<td>Balance Inquiry</td>
<td>String (3)</td>
</tr>
<tr>
<td></td>
<td>Redemption</td>
<td>Redemp­tion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Void</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCard_baseCurrencyCashbackAmount</td>
<td>Cash back amount in base currency. This field is supported only on ValueLink.</td>
<td>Redemption</td>
<td>Decimal (12)</td>
</tr>
<tr>
<td>giftCard_baseCurrencyCurrentBalance</td>
<td>Current gift card balance in the gift card currency. This field is included in the reply message when the gift card currency is not the same as your local currency. This field is supported only on ValueLink.</td>
<td>Balance Inquiry</td>
<td>String (12)</td>
</tr>
<tr>
<td></td>
<td>Redemption</td>
<td>Redemp­tion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Void</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCard_baseCurrencyPreviousBalance</td>
<td>Previous gift card balance in the gift card currency. This value is the gift card balance before the concurrent transaction was applied to the gift card. This field is included in the reply message when the gift card currency is not the same as your local currency. This field is supported only on ValueLink.</td>
<td>Balance Inquiry</td>
<td>String (12)</td>
</tr>
<tr>
<td></td>
<td>Redemption</td>
<td>Redemp­tion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Void</td>
<td></td>
<td></td>
</tr>
<tr>
<td>giftCard_bonusAmount</td>
<td>Amount of promotional bonus. This field is included in the reply message when the transaction amount for activating the card is not the same as the gift card’s account balance because of a programmed promotional bonus. This field is supported only on ValueLink.</td>
<td>Activation</td>
<td>String (12)</td>
</tr>
<tr>
<td></td>
<td>Void</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 5  Reply Fields (Continued)

Example  When you offer a promotion that applies a 20% bonus to all gift card activations, a card with a $100 denomination is activated with a starting balance of $120.
### Table 5  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>giftCard_discountAmount</td>
<td>Discount amount. This field is included in the reply message when the transaction amount for activating the card is not the same as the account balance because of a programmed discount. This field is supported only for ValueLink. Example: When a gift card with a $100 denomination is activated at a cost of $90, the discount amount is $10.</td>
<td>Activation, Void</td>
<td>String (12)</td>
</tr>
<tr>
<td>giftCard_exchangeRate</td>
<td>Exchange rate between your local currency and the gift card currency. The value for this field includes a decimal. The number of digits before or after the decimal varies depending on the precision of the exchange rate. This field is supported only on ValueLink.</td>
<td>Balance Inquiry, Redemption, Void</td>
<td>String (18)</td>
</tr>
<tr>
<td>giftCard_expirationDate</td>
<td>Date the gift card expires. When a gift card does not have an expiration date, the value for this field exceeds 3000. This field is supported only on ValueLink. Format: YYYYMMDD</td>
<td>Activation, Balance Inquiry, Redemption, Reversal, Void</td>
<td>String (8)</td>
</tr>
</tbody>
</table>
| giftCard_previousBalance| Previous gift card balance in your local currency. This value is the gift card balance before the concurrent transaction was applied to the gift card. This field is supported only on ValueLink. Example: When a customer purchases a gift card and uses the gift card to purchase a product at the same time, the reply message includes:  
  - Previous gift card balance, which is the balance before the purchase of the product  
  - Current gift card balance, which is the balance after the purchase of the product | Activation, Balance Inquiry, Redemption, Reversal, Void | String (12)        |
### Table 5  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>giftCardActivationReply_authorizationCode</code></td>
<td>Authorization code. This value is included in the reply message when the activation is approved. This field is supported only on ValueLink.</td>
<td>Activation</td>
<td>String (8)</td>
</tr>
</tbody>
</table>
| `giftCardActivationReply_processorResponse` | Error message from the bank. Returned only when the processor returns this value. Possible values:  
  - 00: Transaction was completed successfully.  
  - Any other value: Transaction was declined.  
  Your payment acceptance system must examine the value in this field before determining how to interpret the remaining fields in the reply message. When a request is declined, some reply fields might not be present or their values might be zero. | Activation  | String (2)          |
| `giftCardActivationReply_reasonCode`       | Numeric value corresponding to the result of the activation request. See Reason Codes. | Activation  | Integer (5)         |
| `giftCardActivationReply_reconciliationID` | Reference number that you use to reconcile your CyberSource reports with your processor reports. See Getting Started with CyberSource Advanced for the Simple Order API for information about order tracking and reconciliation. | Activation  | FDC Nashville Global: String (12) ValueLink: String (17) |
| `giftCardActivationReply_requestDateTime`  | Date and time when the service was requested. | Activation  | String (20)         |
| `giftCardBalanceInquiryReply_authorizationCode` | Authorization code. This value is included in the reply message when the balance inquiry is approved. This field is supported only on ValueLink. | Balance Inquiry | String (8) |
### Table 5  Reply Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
</table>
| `giftCardBalanceInquiry` \_processorResponse | Error message from the bank. Returned only when the processor returns this value. Possible values:  
  - 00: Transaction was completed successfully.  
  - Any other value: Transaction was declined.  
Your payment acceptance system must examine the value in this field before determining how to interpret the remaining fields in the reply message. When a request is declined, some reply fields might not be present or their values might be zero. | Balance Inquiry | String(2)          |
| `giftCardBalanceInquiry` \_reasonCode      | Numeric value corresponding to the result of the balance inquiry request. See Reason Codes.                                                                                                                                                                                                                                           | Balance inquiry| Integer (5)        |
| `giftCardBalanceInquiry` \_reconciliationID | Reference number that you use to reconcile your CyberSource reports with your processor reports. See Getting Started with CyberSource Advanced for the Simple Order API for information about order tracking and reconciliation.                                                                                                       | Balance Inquiry| FDC Nashville Global: String (12) ValueLink: String (17)         |
| `giftCardBalanceInquiry` \_requestDateTime | Date and time when the service was requested.                                                                                                                                                                                                                                                                                             | Balance Inquiry| String (20)        |
| `giftCardRedemptionReply` \_authorizationCode | Authorization code. This value is included in the reply message when the redemption is approved. This field is supported only on ValueLink.                                                                                                                                                                                                 | Redemption    | String (8)         |
| `giftCardRedemptionReply` \_processorResponse | Error message from the bank. Returned only when the processor returns this value. Possible values:  
  - 00: Transaction was completed successfully.  
  - Any other value: Transaction was declined.  
Your payment acceptance system must examine the value in this field before determining how to interpret the remaining fields in the reply message. When a request is declined, some reply fields might not be present or their values might be zero. | Redemption    | String (2)         |
<p>| <code>giftCardRedemptionReply</code> _reasonCode      | Numeric value corresponding to the result of the redemption request. See Reason Codes.                                                                                                                                                                                                                                           | Redemption    | Integer (5)        |</p>
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>giftCardRedemptionReply_reconciliationID</td>
<td>Reference number that you use to reconcile your CyberSource reports with your processor reports. See <em>Getting Started with CyberSource Advanced for the Simple Order API</em> for information about order tracking and reconciliation.</td>
<td>Redemption</td>
<td>String (17)</td>
</tr>
<tr>
<td>giftCardRedemptionReply_requestDateTime</td>
<td>Date and time when the service was requested.</td>
<td>Redemption</td>
<td>String (20)</td>
</tr>
<tr>
<td>giftCardReversalReply_authorizationCode</td>
<td>Authorization code. This value is included in the reply message when the reversal is approved. This field is supported only on ValueLink.</td>
<td>Reversal</td>
<td>String (8)</td>
</tr>
</tbody>
</table>
| giftCardReversalReply_reasonCode           | Error message from the bank. Returned only when the processor returns this value. Possible values:  
  • 00: Transaction was completed successfully.  
  • Any other value: Transaction was declined.  
  
  Your payment acceptance system must examine the value in this field before determining how to interpret the remaining fields in the reply message. When a request is declined, some reply fields might not be present or their values might be zero. | Reversal    | String (2)         |
| giftCardReversalReply_reconciliationID     | Reference number that you use to reconcile your CyberSource reports with your processor reports. See *Getting Started with CyberSource Advanced for the Simple Order API* for information about order tracking and reconciliation. | Reversal    | String (17)        |
| giftCardReversalReply_requestDateTime      | Date and time when the service was requested.                               | Reversal    | String (20)        |
| giftCardVoidReply_authorizationCode        | Authorization code. This value is included in the reply message when the void is approved. This field is supported only on ValueLink. | Void        | String (8)         |
### Table 5  Reply Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
</table>
| giftCardVoidReply_processorResponse       | Error message from the bank. Returned only when the processor returns this value. Possible values:  
  - 00: Transaction was completed successfully.  
  - Any other value: Transaction was declined.  
  Your payment acceptance system must examine the value in this field before determining how to interpret the remaining fields in the reply message. When a request is declined, some reply fields might not be present or their values might be zero. | Void        | String (2)         |
| giftCardVoidReply_reasonCode              | Numeric value corresponding to the result of the void request. See [Reason Codes](#).                                                                                                                                                                                                                                          | Void        | Integer (5)        |
| giftCardVoidReply_reconciliationID        | Reference number that you use to reconcile your CyberSource reports with your processor reports. See [Getting Started with CyberSource Advanced for the Simple Order API](#) for information about order tracking and reconciliation.                                                                                              | Void        | String (17)        |
| giftCardVoidReply_requestDateTime         | Date and time when the service was requested.                                                                                                                                                                                                                                                                                           | Void        | String (20)        |
| invalidField_0 through invalidField_N     | Fields in the request that have invalid data. For information about missing or invalid fields, see [Getting Started with CyberSource Advanced for the Simple Order API](#). Note These fields are included as an aid to software developers only. Do not use these fields to interact with your customers.                                            | All CyberSource Services | String (100)       |
| merchantReferenceCode                     | Transaction number or tracking number that you provided in the request. If you included multi-byte characters in this field in the request, the returned value might include corrupted characters.                                                                                                                                    | All CyberSource Services | String (50)        |
Table 5  Reply Fields (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Returned By</th>
<th>Data Type &amp; Length</th>
</tr>
</thead>
</table>
| missingField_0 through missingField_N | Required fields that were missing from the request. For information about missing or invalid fields, see Getting Started with CyberSource Advanced for the Simple Order API.  

**Note** These fields are included as an aid to software developers only. Do not use these fields to interact with your customers. | All CyberSource Services       | String (100)               |
| purchaseTotals_currency | Currency used for the order. Use the three-character ISO Standard Currency Codes. | Activation, Redemption, Reversal, Void | String (5)          |
| reasonCode             | Numeric value corresponding to the result of the overall request. See Reason Codes. | All CyberSource Services     | Integer (5)        |
| requestID              | Identifier for the request.                                                 | All CyberSource Services     | String (26)        |
Examples

Name-Value Pair Examples

FDC Nashville Global Examples

Example 1  Gift Card Activation Request Message

- merchantID=MyStore123
- merchantReferenceCode=S217634_2
- purchaseTotals_currency=USD
- purchaseTotals_grandTotalAmount=100.00
- pos_trackData=%B4111111111111111^SMITH/JOHN^21121019761100008680000000?4111111111111111=21121019761186800000?
- pos_terminalID=81234567
- card_cardType=001
- giftCardActivationService_run=true
- giftCardActivationService_commerceIndicator=retail

Example 2  Gift Card Activation Reply Message

- merchantReferenceCode=S217634_2
- requestID=5482912767876011503047
- decision=ACCEPT
- reasonCode=100
- pos_terminalID=81234567
- giftCard_balanceCurrency=USD
- giftCard_currentBalance=100.00
- giftCardActivationReply_reasonCode=100
- giftCardActivationReply_processorResponse=00
- giftCardActivationReply_reconciliationID=547800780829
Example 3  Gift Card Balance Inquiry Request Message

merchantID=MyStore123
merchantReferenceCode=S217634_4
pos_trackData=%B4111111111111111^SMITH/JOHN ^21121019761100
008680000007;4111111111111111=21121019761186800000?
card_cardType=001
giftCard_balanceCurrency=USD
giftCardBalanceInquiryService_run=true
giftCardBalanceInquiryService_commerceIndicator=retail

Example 4  Gift Card Balance Inquiry Reply Message

merchantReferenceCode=S217634_4
requestID=548291498806011703047
decision=ACCEPT
reasonCode=100
pos_terminalID=87788990
giftCard_balanceCurrency=USD
giftCard_currentBalance=250.00
giftCardBalanceInquiryReply_reasonCode=100
giftCardBalanceInquiryReply_processorResponse=00
giftCardBalanceInquiryReply_reconciliationID=547800780831

Example 5  Gift Card Balance Inquiry with PIN Encryption Request Message

merchantID=M987654
merchantReferenceCode=33557799
invoiceHeader_merchantDescriptorCountry=US
invoiceHeader_clerkID=CLRK1234
customerID=Cust1234567890AM
billTo_postalCode=91000
pos_terminalID=1234
card_accountNumber=6010562000017685
card_cardType=059
giftCard_balanceCurrency=USD
giftCard_extendedAccountNumber=3456
giftCardBalanceInquiryService_run=true
giftCardBalanceInquiryService_reconciliationID=0123456789
giftCardBalanceInquiryService_commerceIndicator=internet
Example 6  Gift Card Balance Inquiry with PIN Encryption Reply Message

merchantReferenceCode=M987654
requestID=5482914940606011603047
decision=ACCEPT
reasonCode=100
pos_terminalID=87788990
giftCard_balanceCurrency=USD
giftCard_currentBalance=250.00
giftCardBalanceInquiryReply_reasonCode=100
giftCardBalanceInquiryReply_processorResponse=00
giftCardBalanceInquiryReply_reconciliationID=547800780830

ValueLink Examples

Example 7  Gift Card Activation Request Message

merchantID=MyStore123
merchantReferenceCode=33557799
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=1000.00
pos_trackData=;6010567085883982=25010004000070777663?
cardType=059
giftCardActivationService_run=true
giftCardActivationService_commerceIndicator=internet
merchantTransactionIdentifier=NTA0419200

Example 8  Gift Card Activation Reply Message

merchantReferenceCode=33557799<
requestID=5241870282456001601035
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
giftCard_previousBalance=0.00
giftCard_currentBalance=1000.00
giftCard_expirationDate=20230419
giftCardActivationReply_reasonCode=100
giftCardActivationReply_authorizationCode=266453
giftCardActivationReply_processorResponse=00
giftCardActivationReply_reconciliationID=00015241822800024
Example 9  Gift Card Balance Inquiry Request Message

merchantID=MyStore123
merchantReferenceCode=33557799
pos_trackData=;6010562000017685=00010004000060013779?
card_cardType=059
giftCard_balanceCurrency=USD
giftCardBalanceInquiryService_run=true
giftCardBalanceInquiryService_commerceIndicator=internet

Example 10  Gift Card Balance Inquiry Reply Message

merchantReferenceCode=33557799
requestID=5219494626716000601040
decision=ACCEPT
reasonCode=100
giftCard_balanceCurrency=USD
giftCard_previousBalance=5000.25
giftCard_currentBalance=2000.25
giftCard_baseCurrencyPreviousBalance=6259.20
giftCard_baseCurrencyCurrentBalance=2250.50
giftCard_baseCurrency=CAD
giftCard_expirationDate=20251212
giftCard_exchangeRate=1.25121
giftCardBalanceInquiryReply_reasonCode=100
giftCardBalanceInquiryReply_authorizationCode=123456
giftCardBalanceInquiryReply_processorResponse=00
giftCardBalanceInquiryReply_reconciliationID=00015218352800867

Example 11  Gift Card Redemption Request Message

merchantID=MyStore123
merchantReferenceCode=33557799
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=0.01
pos_trackData=;6010567085883912=25010004000070776922?
card_cardType=059
giftCard_redemptionType=redemption
giftCardRedemptionService_run=true
giftCardRedemptionService_commerceIndicator=internet
merchantTransactionIdentifier=NTA419018
Example 12  Gift Card Redemption Reply Message

```plaintext
merchantReferenceCode=33557799
requestID=5241874733746002201035
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
giftCard_previousBalance=1000.00
giftCard_currentBalance=999.99
giftCard_expirationDate=20230419
giftCardRedemptionReply_reasonCode=100
giftCardRedemptionReply_authorizationCode=188627
giftCardRedemptionReply_processorResponse=00
giftCardRedemptionReply_reconciliationID=01234567891234567
```

Example 13  Gift Card Partial Redemption Request Message

```plaintext
merchantID=MyStore123
merchantReferenceCode=33557799
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=0.01
pos_trackData=;6010567085883912=25010001400070776922?
card_cardType=059
giftCard_redemptionType=redemption_partial_allowed
giftCardRedemptionService_run=true
giftCardRedemptionService_commerceIndicator=internet
merchantTransactionIdentifier=NTA419019
```

Example 14  Gift Card Partial Redemption Reply Message

```plaintext
merchantReferenceCode=33557799
requestID=5241875442546002501035
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
giftCard_previousBalance=1000.00
giftCard_currentBalance=999.99
giftCard_expirationDate=20230419
giftCardRedemptionReply_reasonCode=100
giftCardRedemptionReply_authorizationCode=793430
giftCardRedemptionReply_processorResponse=00
giftCardRedemptionReply_reconciliationID=01234567891234567
```
Example 15  Gift Card Cashout Redemption Request Message

```
merchantID=MyStore123
merchantReferenceCode=33557799
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=0.01
pos_trackData=;601056708583912=25010004000070776922?
card_cardType=059
giftCard_redemptionType=cashout
giftCardRedemptionService_run=true
giftCardRedemptionService_commerceIndicator=internet
merchantTransactionIdentifier=NTA419015
```

Example 16  Gift Card Cashout Redemption Reply Message

```
merchantReferenceCode=33557799
requestID=5241873452496001801035
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
giftCard_previousBalance=1000.00
giftCard_currentBalance=0.00
giftCard_expirationDate=20230419
giftCardRedemptionReply_reasonCode=100
giftCardRedemptionReply_authorizationCode=277588
giftCardRedemptionReply_processorResponse=00
giftCardRedemptionReply_reconciliationID=01234567891234567
```

Example 17  Reversal of a Gift Card Activation, Redemption, or Void Request Message

```
merchantID=MyStore123
merchantReferenceCode=33557799
giftCardReversalService_run=true
merchantTransactionIdentifier=NTA0419200
```

Example 18  Reversal of a Gift Card Activation, Redemption, or Void Reply Message

```
merchantReferenceCode=33557799
requestID=5241873074216001701035
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
giftCard_previousBalance=1000.00
giftCard_currentBalance=0.00
giftCard_expirationDate=20230419
giftCardReversalReply_reasonCode=100
giftCardReversalReply_authorizationCode=197306
giftCardReversalReply_processorResponse=00
```
Example 19  Void of a Gift Card Activation or Redemption Request Message

merchantID=MyStore123
merchantReferenceCode=33557799
giftCardReversalService_run=true
merchantTransactionIdentifier=NTA0424180239

Example 20  Void of a Gift Card Activation or Redemption Reply Message

merchantReferenceCode=33557799
requestID=5246060373116011701035
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
giftCard_previousBalance=980.00
giftCard_currentBalance=970.00
giftCard_expirationDate=20230424
giftCardVoidReply_reasonCode=100
giftCardVoidReply_authorizationCode=191925
giftCardVoidReply_processorResponse=00

XML Examples

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Example 21  Gift Card Activation Request Message

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.148">
  <merchantID>MyStore123</merchantID>
  <merchantReferenceCode>S217634_2</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>100.00</grandTotalAmount>
  </purchaseTotals>
  <pos>
    <trackData>;6010567085883982=25010004000070777663?"</trackData>
  </pos>
  <card>
    <cardType>001</cardType>
  </card>
  <giftCardActivationService run="true">
    <commerceIndicator>retail</commerceIndicator>
  </giftCardActivationService>
</requestMessage>
Example 22 Gift Card Activation Reply Message

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.148">
  <c:requestID>5482912718436011403047</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:pos>
    <c:terminalID>81234567</c:terminalID>
  </c:pos>
  <c:giftCard>
    <c:balanceCurrency>USD</c:balanceCurrency>
    <c:currentBalance>100.00</c:currentBalance>
  </c:giftCard>
  <c:giftCardActivationReply>
    <c:reasonCode>100</c:reasonCode>
    <c:processorResponse>00</c:processorResponse>
    <c:reconciliationID>547800780828</c:reconciliationID>
  </c:giftCardActivationReply>
</c:replyMessage>
```

Example 23 Gift Card Balance Inquiry Request Message

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.148">
  <merchantID>MyStore123</merchantID>
  <pos>
    <trackData>%B4111111111111111^SMITH/JOHN     ^21121019761100
                 00868000000?;4111111111111111=21121019761186800000?</trackData>
  </pos>
  <card>
    <cardType>001</cardType>
  </card>
  <giftCard>
    <balanceCurrency>USD</balanceCurrency>
  </giftCard>
  <giftCardBalanceInquiryService run="true">  
    <commerceIndicator>retail</commerceIndicator>
  </giftCardBalanceInquiryService>
</requestMessage>
```
Example 24  Gift Card Balance Inquiry Reply Message

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.148">
  <c:requestID>5482914940606011603047</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:pos>
    <c:terminalID>87788990</c:terminalID>
  </c:pos>
  <c:giftCard>
    <c:balanceCurrency>USD</c:balanceCurrency>
    <c:currentBalance>250.00</c:currentBalance>
  </c:giftCard>
  <c:giftCardBalanceInquiryReply>
    <c:reasonCode>100</c:reasonCode>
    <c:processorResponse>00</c:processorResponse>
    <c:reconciliationID>547800780830</c:reconciliationID>
  </c:giftCardBalanceInquiryReply>
</c:replyMessage>
```

Example 25  Gift Card Balance Inquiry with PIN Encryption Request Message

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.153">
  <merchantID>valuelink_test_merchant_1</merchantID>
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <invoiceHeader>
    <merchantDescriptorCountry>US</merchantDescriptorCountry>
    <clerkID>CLRK1234</clerkID>
  </invoiceHeader>
  <customerID>Cust1234567890AM</customerID>
  <billTo>
    <postalCode>91000</postalCode>
  </billTo>
  <pos>
    <terminalID>1234</terminalID>
  </pos>
  <card>
    <accountNumber>601056200017685</accountNumber>
    <cardType>059</cardType>
  </card>
  <giftCard>
    <balanceCurrency>USD</balanceCurrency>
    <extendedAccountNumber>3456</extendedAccountNumber>
  </giftCard>
  <giftCardBalanceInquiryService run="true">
    <reconciliationID>0123456789</reconciliationID>
    <commerceIndicator>internet</commerceIndicator>
  </giftCardBalanceInquiryService>
</requestMessage>
```
Example 26  Gift Card Balance Inquiry with PIN Encryption Reply Message

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.148">
  <c:requestID>5482914940606011603047</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:pos/>
    <c:terminalID>87788990</c:terminalID>
  </c:pos>
  <c:giftCard>
    <c:balanceCurrency>USD</c:balanceCurrency>
    <c:currentBalance>250.00</c:currentBalance>
  </c:giftCard>
  <c:giftCardBalanceInquiryReply>
    <c:reasonCode>100</c:reasonCode>
    <c:processorResponse>00</c:processorResponse>
    <c:reconciliationID>547800780830</c:reconciliationID>
  </c:giftCardBalanceInquiryReply>
</c:replyMessage>
```

ValueLink Examples

Example 27  Gift Card Activation Request Message

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantID>npr_vl_act_mid1</merchantID>
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>1000.00</grandTotalAmount>
  </purchaseTotals>
  <pos>
    <trackData>;6010567085883982=25010004000070777663?</trackData>
  </pos>
  <card>
    <cardType>059</cardType>
  </card>
  <giftCardActivationService run="true">
    <commerceIndicator>internet</commerceIndicator>
  </giftCardActivationService>
  <merchantTransactionIdentifier>NTA0419200</merchantTransactionIdentifier>
</requestMessage>
```
Example 28  Gift Card Activation Reply Message

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <requestID>5241870282456001601035</requestID>
  <decision>ACCEPT</decision>
  <reasonCode>100</reasonCode>
  <purchaseTotals>
    <currency>USD</currency>
  </purchaseTotals>
  <giftCard>
    <previousBalance>0.00</previousBalance>
    <currentBalance>1000.00</currentBalance>
    <expirationDate>20230419</expirationDate>
  </giftCard>
  <giftCardActivationReply>
    <reasonCode>100</reasonCode>
    <authorizationCode>266453</authorizationCode>
    <processorResponse>00</processorResponse>
    <reconciliationID>00015241822800024</reconciliationID>
  </giftCardActivationReply>
</replyMessage>
```

Example 29  Gift Card Balance Inquiry Request Message

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantID>npr_vi_act_mid1</merchantID>
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <pos>
    <trackData>;6010562000017685=000100040000600013779?</trackData>
  </pos>
  <card>
    <cardType>059</cardType>
  </card>
  <giftCard>
    <balanceCurrency>USD</balanceCurrency>
  </giftCard>
  <giftCardBalanceInquiryService run="true">
    <commerceIndicator>internet</commerceIndicator>
  </giftCardBalanceInquiryService>
</requestMessage>
```
Example 30  Gift Card Balance Inquiry Reply Message

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <requestID>5219494626716000601040</requestID>
  <decision>ACCEPT</decision>
  <reasonCode>100</reasonCode>
  <giftCard>
    <balanceCurrency>USD</balanceCurrency>
    <previousBalance>5000.25</previousBalance>
    <currentBalance>2000.25</currentBalance>
    <baseCurrencyPreviousBalance>6259.20</baseCurrencyPreviousBalance>
    <baseCurrencyCurrentBalance>2250.50</baseCurrencyCurrentBalance>
    <baseCurrency>CAD</baseCurrency>
    <expirationDate>20251212</expirationDate>
    <exchangeRate>1.25121</exchangeRate>
  </giftCard>
</replyMessage>
```

Example 31  Gift Card Redemption Request Message

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantID>npr_v1_act_mid1</merchantID>
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>0.01</grandTotalAmount>
  </purchaseTotals>
  <pos>
    <trackData>;6010567085883912=25010004000070776922?</trackData>
  </pos>
  <card>
    <cardType>059</cardType>
  </card>
  <giftCard>
    <redemptionType>redemption</redemptionType>
  </giftCard>
  <giftCardRedemptionService run="true">
    <commerceIndicator>internet</commerceIndicator>
  </giftCardRedemptionService>
  <merchantTransactionIdentifier>NTA419018</merchantTransactionIdentifier>
</requestMessage>
```
Example 32  Gift Card Redemption Reply Message

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.146">
  <c:requestID>S24187473746002201035</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:purchaseTotals>
    <c:currency>USD</c:currency>
  </c:purchaseTotals>
  <c:giftCard>
    <c:previousBalance>1000.00</c:previousBalance>
    <c:currentBalance>999.99</c:currentBalance>
    <c:expirationDate>20230419</c:expirationDate>
  </c:giftCard>
  <c:giftCardRedemptionReply>
    <c:reasonCode>100</c:reasonCode>
    <c:authorizationCode>188627</c:authorizationCode>
    <c:processorResponse>00</c:processorResponse>
    <c:reconciliationID>01234567891234567</c:reconciliationID>
  </c:giftCardRedemptionReply>
</c:replyMessage>
```

Example 33  Gift Card Partial Redemption Request Message

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantID>npr_vi_act_mid1</merchantID>
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <purchaseTotals>
    <c:currency>USD</c:currency>
    <c:grandTotalAmount>0.01</c:grandTotalAmount>
  </purchaseTotals>
  <pos>
    <c:trackData>;6010567085883912=25010004000070776922</c:trackData>
  </pos>
  <card>
    <c:cardType>059</c:cardType>
  </card>
  <giftCard>
    <c:redemptionType>redemption_partial_allowed</c:redemptionType>
  </giftCard>
  <giftCardRedemptionService run="true">
    <c:commerceIndicator>internet</c:commerceIndicator>
  </giftCardRedemptionService>
  <merchantTransactionIdentifier>NTA419019</merchantTransactionIdentifier>
</requestMessage>
```
Example 34  Gift Card Partial Redemption Reply Message

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.146">
  <c:requestID>524187542546002501035</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:purchaseTotals>
    <c:currency>USD</c:currency>
  </c:purchaseTotals>
  <c:giftCard>
    <c:previousBalance>1000.00</c:previousBalance>
    <c:currentBalance>999.99</c:currentBalance>
    <c:expirationDate>20230419</c:expirationDate>
  </c:giftCard>
  <giftCardRedemptionReply>
    <c:reasonCode>100</c:reasonCode>
    <c:authorizationCode>793430</c:authorizationCode>
    <c:processorResponse>00</c:processorResponse>
    <c:reconciliationID>01234567891234567</c:reconciliationID>
  </giftCardRedemptionReply>
</replyMessage>
```

Example 35  Gift Card Cashout Redemption Request Message

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantID>npr_v1_act_mid1</merchantID>
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>0.01</grandTotalAmount>
  </purchaseTotals>
  <pos>
    <trackData>;6010567085883912=25010004000070776922?"trackData>
  </pos>
  <card>
    <cardType>059</cardType>
  </card>
  <giftCard>
    <redemptionType>cashout</redemptionType>
  </giftCard>
  <giftCardRedemptionService run="true">
    <commerceIndicator>internet</commerceIndicator>
  </giftCardRedemptionService>
  <merchantTransactionIdentifier>NTA419015</merchantTransactionIdentifier>
</requestMessage>
```
Example 36  Gift Card Cashout Redemption Reply Message

```xml
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.146">
  <c:requestID>5241873452496001801035</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:purchaseTotals>
    <c:currency>USD</c:currency>
  </c:purchaseTotals>
  <c:giftCard>
    <c:previousBalance>1000.00</c:previousBalance>
    <c:currentBalance>0.00</c:currentBalance>
    <c:expirationDate>20230419</c:expirationDate>
  </c:giftCard>
  <c:giftCardRedemptionReply>
    <c:reasonCode>100</c:reasonCode>
    <c:authorizationCode>277588</c:authorizationCode>
    <c:processorResponse>00</c:processorResponse>
    <c:reconciliationID>01234567891234567891234567</c:reconciliationID>
  </c:giftCardRedemptionReply>
</c:replyMessage>
```

Example 37  Reversal of a Gift Card Activation, Redemption, or Void Request Message

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantID>npr_v1_act_mid1</merchantID>
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <giftCardReversalService run="true">
  </giftCardReversalService>
  <merchantTransactionIdentifier>NTA0419200</merchantTransactionIdentifier>
</requestMessage>
```
Example 38  Reversal of a Gift Card Activation, Redemption, or Void Reply Message

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <requestID>5241873074216001701035</requestID>
  <decision>ACCEPT</decision>
  <reasonCode>100</reasonCode>
  <purchaseTotals>
    <currency>USD</currency>
  </purchaseTotals>
  <giftCard>
    <previousBalance>1000.00</previousBalance>
    <currentBalance>0.00</currentBalance>
    <expirationDate>20230419</expirationDate>
  </giftCard>
  <giftCardReversalReply>
    <reasonCode>100</reasonCode>
    <authorizationCode>197306</authorizationCode>
    <processorResponse>00</processorResponse>
  </giftCardReversalReply>
</replyMessage>
```

Example 39  Void of a Gift Card Activation or Redemption Request Message

```xml
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.146">
  <merchantID>npr_vl_act_mid1</merchantID>
  <merchantReferenceCode>33557799</merchantReferenceCode>
  <giftCardVoidService run="true">
    <merchantTransactionIdentifier>NTA0424180239</merchantTransactionIdentifier>
  </giftCardVoidService>
</requestMessage>
```
Example 40  Void of a Gift Card Activation or Redemption Reply Message

```xml
<replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.146">
  <c:requestID>5246060373116011701035</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:purchaseTotals>
    <c:currency>USD</c:currency>
  </c:purchaseTotals>
  <c:giftCard>
    <c:previousBalance>980.00</c:previousBalance>
    <c:currentBalance>970.00</c:currentBalance>
    <c:expirationDate>20230424</c:expirationDate>
  </c:giftCard>
  <c:giftCardVoidReply>
    <c:reasonCode>100</c:reasonCode>
    <c:authorizationCode>191925</c:authorizationCode>
    <c:processorResponse>00</c:processorResponse>
  </c:giftCardVoidReply>
</replyMessage>
```