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CardCash Sell API

Version: V1

CardCash Sell API Overview

This document describes the calls that comprise the CardCash API.

The following is a list of the available API calls, along with a short description:

* **merchants:** Obtain the list of Merchants whose cards CardCash buys and sells
* **sellCards:** Sell Gift Cards to CardCash
* **balance:** Obtain the total dollar value of a Sell transaction
* **confirmSale:** Confirm that the sale of Gift Cards to CardCash.
* **captcha:** Get the captcha to check card’s available balance.
* **cardBalance:** Obtain the card’s available balance.

To access the features, the client application initiates HTTP method requests (such as GET and POST) to the corresponding API methods. The CardCash Server then processes the requests and returns appropriate responses in JSON format.

**Request URL syntax**: http://54.227.255.107/api/v1/{path name}

Setup

Card Cash will provide an apikey, which needs to be sent in the **header** of the request. Initially, all your transactions will be considered tests until we are ready to go live. This enables you to test your systems and allows us to ensure you are using the API correctly. Any transaction during this time will notate in the responseCode that it's in test mode. When you feel comfortable with your setup, please reach out to your Card Cash account manager who will confirm your setup. Once your setup has been signed off, we will schedule your account for a production deployment.

At any point, you may request a new apikey if you feel your current one has been compromised.

**IP restrictions:** You may request to limit your key to specific IP addresses to ensure greater security for your transactions. Please submit this request and any IP you may wish to whitelist to your account manager.

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# Merchants Call

## Usage:

Use the Merchants API Call to obtain all Merchant records in the form of JSON

## HTTP Request Type:

GET

## URL to request:

http://54.227.255.107/api/v1/sell/merchants

## Merchants Call Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| apikey | VARCHAR(100) | M |  |

## Merchants Response:

|  |
| --- |
| **Sample JSON:**  {  "data": {  "merchants": [  {  "id": 27,  "name": "Home Depot",  "ecodes\_percentage": 77,  "buyback\_percentage": 82,  "logo\_url": "https://s3.amazonaws.com/new-cardcash-images/images/merchants/homed.jpg",  "balance\_verification\_link": "https://secure2.homedepot.com/webapp/wcs/stores/servlet/GiftCardProductDisplay?partNumber=199999959&gcval=&langId=-1&storeId=10051&catalogId=10053&cm\_",  "api\_message": "online"  }  ]  }  } |

## Merchants Response Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| id | INT(11) | M |  |
| name | VARCHAR(50) | M |  |
| ecodes\_percentage | DECIMAL(4,2) | M |  |
| buyback\_percentage | DECIMAL(4,2) | M |  |
| logo\_url | VARCHAR(255) | M |  |
| balance\_verification\_link | VARCHAR(255) | M |  |
| api\_message | VARCHAR(50) |  |  |
| available\_cards | INT(11) | M |  |

# sellCards Call

## Usage:

The *sellCards* API Call is used to sell Gift Cards to CardCash

## **HTTP Request Type**

POST

## URL to request:

http://54.227.255.107/api/v1/sellCards

## sellCards Call Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| apikey | VARCHAR(100) | M |  |
| merchant\_id | INT(11) | M |  |
| card\_number | VARCHAR(20) | M |  |
| pin\_code | VARCHAR(11) | O |  |

## sellCards Response

|  |
| --- |
| **Sample JSON:**  {  "response": "success",  "responseCode": "000",  "responseType": "SUCCESS",  "transactionID": "eb0d167696f8086144a31308da9e67c3",  "responseMessage": "Thank you for using SellCardsAPI Call. Please find transaction Id"  } |

## sellCards Response Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| response | VARCHAR(20) | M |  |
| responseCode | VARCHAR(60) | M | See Appendix for full set of response messages |
| responseType | VARCHAR(20) | M |  |
| transactionID | VARCHAR(32) | M |  |
| responseMessage | VARCHAR(100) | M | See Appendix for full set of response messages |



# Balance Call

## Usage:

Use the Balance API Call to obtain the dollar value of a transaction.

## **HTTP Request Type**

GET

## **U**RL to request:

http://54.227.255.107/api/v1/balance

## Balance Call Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| apikey | VARCHAR(100) | M |  |
| transaction\_id | VARCHAR(32) | M |  |

## Balance Response

|  |
| --- |
| **Sample JSON:**  {  "response": "success",  "responseCode": "000",  "responseType": "SUCCESS",  "cardBalance": 10,  "transactionID": "bb2b0c10338fe7f67453bb512ddb47ff",  "responseMessage": "Thank you for using Sell API, Please find transaction Id"  } |

## Balance Response Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| Response | VARCHAR(20) | M |  |
| responseCode | VARCHAR(60) | M | See Appendix for full set of response messages |
| cardBalance | DECIMAL (18,2) | M |  |
| transactionID | VARCHAR(32) | M |  |
| responseMessage | VARCHAR(100) | M | See Appendix for full set of response messages |

# confirmSale Call

## Usage:

Confirm that the sale of Gift Cards to CardCash, whose payment to the customer will be made by check.

## **HTTP Request Type**

PUT

## **URL to request:**

http://54.227.255.107/api/v1/confirmSale

## confirmSale Call Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| apikey | VARCHAR(100) | M |  |
| transaction\_id | VARCHAR(32) | M |  |

## confirmSale Response

|  |
| --- |
| **Sample JSON:**  {  "data": {  "transaction\_id": "ce863f3c501245b59609869d5d01d1cb"  }  } |

## confirmSale Response Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| transaction\_id | VARCHAR(32) | M |  |

# Balance Inquiry

Balance inquiry is used to get captcha image for real time card balance request.

For balance inquiry following requests are required:

1. captcha
2. cardBalance

# captcha Call

## Usage:

Use captcha call to obtain captcha image URL and request id.

## **HTTP Request Type**

GET

## **URL to request:**

http://54.227.255.107/api/v1/captcha/

## Captcha Call Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| apikey | VARCHAR(100) | M |  |
| merchant\_id | INT(11) | M |  |

## Captcha Response

|  |
| --- |
| **Sample JSON:**  {  "response": "success",  "requestId": "1428587231978",  "responseMessage": "success",  "responseCode": "000",  "captchaImageUrl": "http://54.83.2.120:4567/captcha\_1428587231978.png"  } |

## Captcha Response Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| response | VARCHAR(20) | M |  |
| requestId | VARCHAR(60) | M |  |
| responseMessage | VARCHAR(100) | M |  |
| responseCode | VARCHAR(20) | M |  |
| captchaImageUrl | VARCHAR(255) |  | Some merchants don’t have captcha |

# cardBalance Call

## Usage:

Use the cardBalance API Call to obtain card balance.

## **HTTP Request Type**

GET

## **URL to request:**

http://54.227.255.107/api/v1/cardBalance

## cardBalance Call Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| apikey | VARCHAR(100) | M |  |
| request\_id | INT(11) | M | Gets from captcha call response |
| card\_number | VARCHAR(100) | M |  |
| pin\_number | INT(11) | M |  |
| captcha\_text | VARCHAR(100) |  | Gets from captcha call response if there is any. |

## cardBalance Response

|  |
| --- |
| **Sample JSON:**  {  "response": "success",  "requestId": "1428593782499",  "responseMessage": "success",  "responseCode": "000",  "responseDateTime": "2015-04-09 11:36:51.189",  "balanceDateTime": "2015-04-09 11:36:51.189",  "verificationType": "CCVT\_BOT",  "balance": "2.20"  } |

## cardBalance Response Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Definition | Presence | Notes / Rules |
| response | VARCHAR(20) | M |  |
| requestId | VARCHAR(60) | M |  |
| responseMessage | VARCHAR(100) | M |  |
| responseCode | VARCHAR(20) | M |  |
| responseDateTime | VARCHAR(20) | M |  |
| balanceDateTime | VARCHAR(20) | M |  |
| verificationType | VARCHAR(20) | M |  |
| balance | VARCHAR(20) | M |  |

# Appendix

## Response Code Table

The table below defines the various data types that are used in this document and their meaning:

|  |  |  |
| --- | --- | --- |
| Error Code | Error Type | Error Text |
| 206 | ACCESS\_TOKEN\_AUTH\_ERROR | Access token authentication request error. |
| 207 | INTERNAL\_SERVER\_ERROR | Internal server error. |
| 208 | USER\_NOT\_FOUND | User not found. |
| 209 | UN\_AUTHORIZED\_IP | You are accessing from wrong IP address. |
| 301 | INVALID\_MERCHANT\_ID | Merchant id is invalid. |
| 302 | INVALID\_CARD\_NO | Card number is invalid. |
| 303 | INVALID\_PIN\_NO | Pin code is invalid. |
| 304 | INVALID\_TRANSACTION\_ID | Transaction id is invalid. |
| 305 | INVALID\_API\_CALL | Invalid API call. |
| 306 | TRANSACTION\_NOT\_FOUND\_ERROR | Transaction id is not found in records. |
| 307 | BALANCE\_NOT\_UPDATE | Balance is not updated yet, please try again later, thanks. |
| 308 | SALE\_NOT\_CONFIRM\_BALANCE\_NOT\_SUFFICIENT | Sale is not confirmed because balance is not sufficient. |
| 501 | ACCESS\_TOKEN\_AUTH\_FAILED | No response for access token authentication. |
| 502 | APP\_AUTH\_FAILED | No response for APP authentication. |
| 504 | DETAILS\_FETCHING\_REQUEST\_ERROR | Error occurred while requesting for details. |
| 505 | DETAILS\_FETCHING\_REQUEST\_FAILURE | No response while requesting for details. |