Credit Card Transactions API

v 1.0

**Summary**

Transactions API will provide 3 functionalities as below

|  |  |
| --- | --- |
| [Get all Transactions](#_GET_ALL_TRANSACTIONS) | This will return all transactions that are equal to the specified amount for the particular credit card.  (More search criteria in next versions)  OR  If no amount is specified this will return last 25 transactions |
| [Get details of a transaction](#_GET_DETAILS_OF) | The details of a single transaction based on the specified transaction id will be returned. |
| [Post transaction](#_POSTED_TRANSACTIONS) | Will post and add the transaction to specified credit card. |

##### GET DETAILS OF A TRANSACTION

**Summary**

Get details of a transaction based on account number and a unique transaction id.

**Description**

This API will retrieve details of a transaction for current and cycled accounts.

GET /account-transactions-web/accounts/{accountReferenceId}/transactions/{transactionReferenceId}

**Parameters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Located in | Description | Required | Type |
| accountReferenceId | path | Unique identifier that provides access to customer account information. | Yes | |  |  | | --- | --- | | ⇄ | string | |
| transactionReferenceId | path | Unique identifier for each transaction. | Yes | |  |  | | --- | --- | | ⇄ | string | |

Response

##### **HTTP Status Codes**

|  |  |
| --- | --- |
| Status code | Description |
| 200 | OK |
| 204 | No Content |
| 400 | Bad request |
| 403 | Not Authorized |
| 404 | URL Not found |
| 500 | Internal Server error |

##### **Body**

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Description | Values/Format |
| transactionDate | String | Date on which transaction occurred | YYYYMMDD |
| postedDate | String | Date on which transaction posted | YYYYMMDD |
| transactionAmount | String | Monetary amount of the transaction | 123.12 |
| transactionReferenceId | String | Encrypted value of transaction id | Encrypted value |
| transactionDescription | String | Description of the transaction | Purchase/Payment/Fee |
| debitCreditCode | String | Debit or Credit transaction | DB/CR |
| cardExpirationDate | String | Expiration date of the card used for tx | MMYY |
| currencyCode | String | Currency in which tx was made | 840 for USD  124 for CAD |
| pointOfSaleCardPresenceCode | String | Two digit code from Visa/Mastercard which identifies if card was present at time of transaction | (Only when debitCreditCode is CR)  12/34/43/56/78/85 |
| pointOfSaleCardPresenceDescription | String | Description from Visa/Mastercard which describes if card was present at time of transaction   * Card holder present at time of sale * Card not present at time of sale * Card not present at time of sale – mail transaction * Card not present at time of sale – phone transaction * Card not present at time of sale – recurring transaction * Card not present at time of sale - Internet Transaction | (Only when debitCreditCode is CR)  12 -Card holder present at time of sale  34 - Card not present at time of sale  43 - Card not present at time of sale – mail transaction  56 -Card not present at time of sale – phone transaction  78- Card not present at time of sale – recurring transaction  85 -Card not present at time of sale - Internet Transaction |
| pointOfSaleCardUsageCode | String | To indicate the source of card related data used at the point of sale. Valid values are "Chip" and "MagneticStripe" | (Only when debitCreditCode is CR)  Chip/Magnetic |
| cardReferenceId | String | Encrypted value of the Card Number | Encrypted Card number |
| Merchant Details | Object | Details of the merchant where tx was made |  |

**Merchant Details**

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Description | Values/Format |
| MerchantName | String | Name of the merchant where tx was made | Max 45 characters max |
| Category | String | Merchant category name which designates the type of goods or services provided. | * Dining * Gas/Automotive * Merchandise * Entertainment * Airfare * Car Rental * Lodging * Phone/Cable * Internet * Utilities * Professional Service * Healthcare * Insurance * Other Services |
| categoryCode | Number | Code for the type of merchant where the transaction originated. | 1. Dining 2. Gas/Automotive 3. Merchandise 4. Entertainment 5. Airfare 6. Car Rental 7. Lodging 8. Phone/Cable 9. Internet 10. Utilities 11. Professional Service 12. Healthcare 13. Insurance 14. Other Services |
| StoreNo | Number | Unique number for the store | 9 digits |
| merchantAddressDetails | Object | Address of the merchant where tx was made |  |

**Merchant Address Details**

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Description | Values/Format |
| AddressLine1 | String | Street address of the merchant | 60 characters max |
| AddressLine2 | String | Street address of the merchant | 60 characters max |
| AddressLine3 | String | Street address of the merchant | 60 characters max |
| AddressLine4 | String | Street address of the merchant | 60 characters max |
| City | String | City of the merchant where tx was made | 60 characters max |
| State | String | State of the merchant where tx was made | 60 characters max |
| PostalCode | String | Postal Code of the merchant | 6 characters max  For US - 11111  For CA - A1A1A1 |
| Country | String | Country where tx was made | 2 characters  US for United States  CA for Canada |

##### **JSON Structure**

{

"transactionDate" : 11111111,

"postedDate" : 11111111,

"transactionAmount" : 0.0,

"transactionId" : 1111111,

"transactionReferenceId" : "string",

"transactionDescription" : "string",

"debitCreditCode" : "string",

"transactionCardLastFour" : 1111,

"cardExpirationDate" : 1111,

"currencyCode" : 111,

"pointOfSaleCardPresenceCode" : 11,

"pointOfSaleCardPresenceDescription" : "string",

"pointOfSaleCardUsageCode" : "string",

"cardReferenceId" : "string",

"merchantDetails" : {

"name" : "string",

"category" : "string",

"categoryCode" : 00

"storeNumber" : 000000000,

"merchantAddressDetails" : {

"addressLine1" : "string",

"addressLine2" : "string",

"addressLine3" : "string",

"addressLine4" : "string",

"city" : "string",

"stateCode" : "string",

"postalCode" : "string",

"countryName" : "string"

}

}

}

##### GET ALL TRANSACTIONS

**Summary**

Get all the transactions based on account number and the ones that satisfy the query parameters.

**Description**

This API will retrieve all transactions that match the amount specified in the query for current and cycled accounts. If there is no amount specified this API will return last 25 transactions.

GET /account-transactions-web/accounts/{accountReferenceId}/transactions? amount=123

**Parameters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Located in | Description | Required | Type |
| accountReferenceId | path | Unique identifier that provides access to customer account information. | Yes | |  |  | | --- | --- | | ⇄ | string | |
| amount | query | Amount to be used to query to find relevant transactions | No | |  |  | | --- | --- | | ⇄ | number | |

Response

##### **HTTP Status Codes**

|  |  |
| --- | --- |
| Status code | Description |
| 200 | OK |
| 204 | No Content |
| 400 | Bad request |
| 403 | Not Authorized |
| 404 | URL Not found |
| 500 | Internal Server error |

**Body**

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| transactions | Object | List of all the transactions |
| cardNumber | String | Card number used for transaction |
| merchantName | String | Name of the merchant where transaction occurred |
| transactionAmount | Number | Monetary amount of the transaction |
| Transaction Date | String | Date on which transaction occurred |
| transactionId | Number | Unique 7 digit ID of every transaction |
| transactionReferenceId | String | Encrypted value of transaction id |
| debitCreditCode | String | Debit or Credit transaction |

**JSON**

{

"transactions" : [{

"cardNumber " : "string",

"merchantName" : "string",

"transactionAmount" : 1.0,

"transactionDate" : "string",

"transactionId" : 1111111,

"transactionReferenceId" : "string",

"debitCreditCode" : "string",

}]

}

##### POST TRANSACTION

**Summary**

Post a transaction to an account

**Description**

This API will post all the details related to a particular transaction to the account number specified.

POST /account-transactions-web/accounts/{accountReferenceId}/transactions/

**Parameters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Located in | Description | Required | Type |
| accountReferenceId | path | Unique identifier that provides access to customer account information. | Yes | |  |  | | --- | --- | | ⇄ | string | |

**Body**

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Description | Type | Allowed Values/Format.  Mandatory unless specified |
| transactionDate | Date on which transaction occurred | String | YYYYMMDD |
| postedDate | Date on which transaction posted | String | YYYYMMDD |
| transactionAmount | Monetary amount of the transaction | String | ± 123.12 |
| transactionDescription | Description of the transaction | String | Purchase/Payment/Fee |
| debitCreditCode | Debit or Credit transaction | String | DB/CR |
| transactionCardLastFour | Last 4 digits of the card used for tx | String | 1234 |
| cardExpirationDate | Expiration date of the card used for tx | String | MMYY |
| currencyCode | Currency in which tx was made | String | 840 for USD  124 for CAD |
| pointOfSaleCardPresenceCode | Two digit code from Visa/Mastercard which identifies if card was present at time of transaction | String | (Required only when debitCreditCode is CR)  12/34/43/56/78/85 |
| pointOfSaleCardPresenceDescription | Description from Visa/Mastercard which describes if card was present at time of transaction | String | (Required only when debitCreditCode is CR)  12 -Card holder present at time of sale  34 - Card not present at time of sale  43 - Card not present at time of sale – mail transaction  56 -Card not present at time of sale – phone transaction  78- Card not present at time of sale – recurring transaction  85 -Card not present at time of sale - Internet Transaction |
| pointOfSaleCardUsageCode | To indicate the source of card related data used at the point of sale. Valid values are "Chip" and "MagneticStripe" | String | (Required only when debitCreditCode is CR)  Chip/Magnetic |
| cardReferenceId | Encrypted value of the Card Number | String | Encrypted Card number |
| Merchant Details | Details of the merchant where tx was made | Object |  |

**Merchant Details**

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Description | Type | Allowed values/Format |
| MerchantName | Name of the merchant where tx was made | String | Max 45 characters max |
| Category | Merchant category name which designates the type of goods or services provided. | String | * Dining * Gas/Automotive * Merchandise * Entertainment * Airfare * Car Rental * Lodging * Phone/Cable * Internet * Utilities * Professional Service * Healthcare * Insurance * Other Services |
| categoryCode | Code for the type of merchant where the transaction originated. | Number | 1. Dining 2. Gas/Automotive 3. Merchandise 4. Entertainment 5. Airfare 6. Car Rental 7. Lodging 8. Phone/Cable 9. Internet 10. Utilities 11. Professional Service 12. Healthcare 13. Insurance 14. Other Services |
| StoreNo | Unique number for the store | Number | 9 digits |
| merchantAddressDetails | Address of the merchant where tx was made | Object |  |

**Merchant Address Details**

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Description | Type | Allowed Values/Format |
| AddressLine1 | Street address of the merchant | String | 60 characters max |
| AddressLine2 | Street address of the merchant | String | 60 characters max |
| AddressLine3 | Street address of the merchant | String | 60 characters max |
| AddressLine4 | Street address of the merchant | String | 60 characters max |
| City | City of the merchant where tx was made | String | 60 characters max |
| State | State of the merchant where tx was made | String | 60 characters max |
| PostalCode | Postal Code of the merchant | String | 6 characters max  For US - 11111  For CA - A1A1A1 |
| Country | Country where tx was made | String | 2 characters  US for United States  CA for Canada |

Response

##### **HTTP Status Codes**

|  |  |
| --- | --- |
| Status code | Description |
| 200 | OK |
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