Rest API MonCash

Documentation

INTRODUCTION

Use the MonCash REST API to easily and securely accept payments on your website or mobile app.

REST API HOST

HOST_REST_API can be moncashbutton.digicelgroup.com/Api for live and sandbox.moncashbutton.digicelgroup.com/Api for test.

MONCASH GATEWAY BASE URL

The GATEWAY_BASE can be https://moncashbutton.digicelgroup.com/Moncash-middleware for live and https://sandbox.moncashbutton.digicelgroup.com/Moncash-middleware for test

AUTHENTICATION

To call the resources of the MonCash REST API, you must authenticate by including the bearer token in the Authorization header using the Bearer authentication scheme. The value should be Bearer <Access-Token> or Basic <client_id>:<secret>. The client_id and client_secret can be generated from the business portal.

SAMPLE AUTHENTICATION BASIC

POST	/oauth/token

```
Request

curl -X POST https://client_id:client_secret@HOST_REST_API/oauth/token -H  "Accept: application/json" -d "scope=read,write&grant_type=client_credentials"

Response

{

    "access_token": <Access-token>,

    "token_type":"bearer",

    "expires_in":59,

    "scope":"read,write",

    "jti":"the jti"

}
```

CREATE PAYMENT

To create a payment, you must send the *orderId* and *amount* as an HTTP POST request, including an Authorization Bearer Token in the header. The response will be in JSON (or another format) and will contain the parameters success and a redirect URL to load the Payment Gateway of MonCash Middleware.

SAMPLE CREATE PAYMENT

POST	/v1/CreatePayment

```
Request

curl -X POST https://HOST_REST_API/v1/CreatePayment -H 'accept: application/json' -H 'authorization: Bearer <Access-token> ' -H 'content-type: application/json' -d '{"amount": <amount>, "orderId": <orderId>}'

Response

{

    "path": "/v1/CreatePayment",

    "payment_token": {

        "expired": "2019-05-24 12:46:55:107",

        "created": "2019-05-24 12:36:55:107",

        "token": <payment-token>

    },

    "timestamp": 1558715815122,

    "status": 202

    "mode": <sandbox or live>

}
```

The redirect URL to load the Payment Gateway will be:

GATEWAY_BASE+/Payment/Redirect?token=<payment-token>

PAYMENT DETAILS

To retrieve payment details from the return URL business script, you must send the *transactionId* or *orderId* as an HTTP POST request with an Authorization Bearer Token. The response will be in JSON (or another format) and will contain the payment details.

SAMPLE CAPTURE PAYMENT BY TRANSACTION ID

POST	/v1/RetrieveTransactionPayment

```
Request

curl -X POST https://HOST_REST_API/v1/ RetrieveTransactionPayment -H 'accept: application/json' -H
'authorization: Bearer <Access-token> ' -H 'content-type: application/json' -d '{ " transactionId": <
transactionId>}'

Response

{

    "path": "/v1/RetrieveTransactionPayment",

    "payment": {

        "reference": "1559796839",

        "transaction_id": "12874820",

        "cost": 10,

        "message": "successful",

        "payer": "50937007294"

    },

    "timestamp": 1560029360970,

    "status": 200

}
```

SAMPLE CAPTURE PAYMENT BY ORDER ID

POST	/v1/RetrieveOrderPayment

```
Request

curl -X POST http://HOST_REST_API/v1/RetrieveOrderPayment -H 'accept: application/json' -H
'authorization: Bearer <Access-token> ' -H 'content-type: application/json' -d '{ " orderId": < orderId>}'

Response

{

    "path": "/v1/RetrieveOrderPayment ",

    "payment": {

        "reference": "1559796839",

        "transaction_id": "12874820",

        "cost": 10,

        "message": "successful",

        "payer": "50937007294"

    },

    "timestamp": 1560029360970,

    "status": 200

}
```

CHECK CUSTOMER STATUS

To check the customer status, you must send the *account* (the customer's account) as an HTTP POST request, including an Authorization Bearer Token.

SAMPLE REQUEST FOR CHECK CUSTOMER STATUS

POST	/v1/CustomerStatus

```
Request

curl -X POST https://HOST_REST_API/v1/ CustomerStatus -H 'accept: application/json' -H 'authorization:
Bearer <Access-token> ' -H 'content-type: application/json' -d '{"account": <account of customer>}'

Response

{

    "path": "/v1/CustomerStatus",

  "customerStatus": {

      "type": "fullkyc",

      "status": ["registered","active"]

  }

    "timestamp": 1558715815122,

    "status": 200

    "mode": <sandbox or live>

}
```

PREFUNDED/PAYOUT

To pay the customer, you must send the *receiver* (the customer's account), *amount*, *desc*, and *reference* (a unique value that represents your transaction) in an HTTP POST request, including an Authorization Bearer Token.

SAMPLE PAYOUT REQUEST

POST	/v1/Transfert

```
Request

curl -X POST https://HOST_REST_API/v1/Transfert -H 'accept: application/json' -H 'authorization: Bearer <Access-token> ' -H 'content-type: application/json' -d '{"amount": <amount>,  "receiver ": <Receive Account>,  "desc": <Some description>, "reference": <Id that represents your transaction>}'

Response

{

    "path": "/Api/v1/Transfert",

    "transfer": {

        "transaction_id": "Transaction id",

        "amount": 100.0,

        "receiver": "Receiver account",

        "message": "successful",

        "desc": "Test Api Transfer"

    },

    "timestamp": 1589927614388,

    "status": 200

}
```

CHECK PREFUNDED TRANSACTION STATUS

To check the status of a prefunded transaction, you must send the *reference* (a unique value that represents your transaction) as an HTTP POST request, including an Authorization Bearer Token.

SAMPLE REQUEST FOR PREFUNDED TRANSACTION STATUS

POST	/v1/PrefundedTransactionStatus

```
Request

curl -X POST https://HOST_REST_API/v1/Transfert -H 'accept: application/json' -H 'authorization: Bearer <Access-token> ' -H 'content-type: application/json' -d '{"reference": <Id that represents your transaction>}'

Response

{

    "path": "/Api/v1/PrefundedTransactionStatus",

    "transStatus": "successful",

    "timestamp": 1732154100298,

    "status": 200

}

{

    "path": "/Api/v1/PrefundedTransactionStatus",

    "error": "Not Found",

    "message": "Can't find this transaction",

    "timestamp": 1732131728381,

     "status": 404

}

{

    "path": "/Api/v1/Transfert",

    "error": "Forbidden",

    "message": "Maximum Account Balance",

    "timestamp": 1732154199606,

    "status": 403

}
```

BALANCE PREFUNDED

To check the balance, you must send an HTTP GET request with an Authorization Bearer Token.

SAMPLE REQUEST FOR BALANCE (PREFUNDED)

GETT	/v1/PrefundedBalance

```
Request

curl -X GET https://HOST_REST_API/v1/ CustomerStatus -H 'accept: application/json' -H 'authorization: Bearer <Access-token> '

Response

{

    "path": "/Api/v1/PrefundedBalance",

    "balance": {

        "balance": 29814021.17999999701976776123046875,

        "message": "successful"

    },

    "timestamp": 1732205962423,

    "status": 200

}
```