

URL

SANDBOX

<https://devapi.mvola.mg>

PRODUCTION

<https://api.mvola.mg>

This API present THREE (3) resources

POST Initiate Transaction

/mvola/mm/transactions/type/merchantpay/1.0.0/

GET Transaction Details

/mvola/mm/transactions/type/merchantpay/1.0.0/{{transID}}

GET Transaction Status

/mvola/mm/transactions/type/merchantpay/1.0.0/status/{{serverCorrelationId}}

Overview

Merchant Pay API allow a tiers party to initiate a payment to a customer and either get notified using a **Callback Url** or send a polling request to view transaction status.

APIs Reference

The API is organized around **REST**
With **JSON -encoded** request body
Return **JSON-encoded** responses and HTTP response code

ERROR

standard HTTP response code is used to indicate whether the transaction is a success or a failure.

200 - OK	Everything worked as expected.
400 - Bad Request	The request was unacceptable, often due to missing a required parameter.
401 - Unauthorized	No valid API key provided.
402 - Request Failed	The parameters were valid but the request failed.
403 - Forbidden	The API key doesn't have permissions to perform the request.
404 - Not Found	The requested resource doesn't exist.
409 - Conflict	The request conflicts with another request (perhaps due to using the same idempotent key).
429 - Too Many Requests	Too many requests hit the API too quickly. We recommend an exponential backoff of your requests.
500, 502, 503, 504 - Server Errors	Something went wrong on the server

Failed

Failed transactions

Due to internal or transactions issue

ErrorCategory	Error category
ErrorCode	Error Code
ErrorDescription	description on the error
ErrorDateTime	Date and time when the error occurred
ErrorParameters	Key/value which add more details on the nature of the error

Failed

Credentials issue

If invalid credentials

```
{
  "fault": {
    "code": 900901,
    "message": "Invalid Credentials",
    "description": "Invalid Credentials. Make sure you
have given the correct access token"
  }
}
```

INITIATE TRANSACTION

POST

/mvola/mm/transactions/type/merchantpay/1.0.0/

INITIATE TRANSACTION

Request Headers

Authorization	Bearer < ACCESS_TOKEN initially generated using API Authenticate>
Version	1.0
X-CorrelationID	ID from client to uniquely identify the request in client side.
UserLanguage	FR or MG
UserAccountIdentifier	Format msisdh;{{partnerND}} Ex: msisdh;0340017983
partnerName	The name of the company
Content-Type	application/json
X-Callback-URL	In case client needs MVola to invoke client's API once transaction is completed
Cache-Control	no-cache

INITIATE TRANSACTION

Body urlencoded

amount	Amount of transaction without decimals
currency	Currency code of the transaction - Possible Values - Ar
descriptionText	Description on transaction. At most 50 characters long without special character except : "- ", ".", " _ ", " , "
requestDate	Transaction requested date by client - yyyy-MM-dd'T'HH:mm:ss.SSSZ format
debitParty/msisdh	MSISDN of subscriber
creditParty/msisdh	MSISDN of merchant
metadata/partnerName	Name of the Partner. At most 50 characters long without special character except : "- ", ".", " _ ", " , "
requestingOrganisation TransactionReference	Transaction ID of client side.

	At most 50 characters long without special character except : “ - “ , “ . “ , “ _ “ , “ “ ”
originalTransactionReference	Reference number related to the original transaction.
metadata/fc	Foreign currency (euro, dollar, ...)
metadata/amountFc	The amount based of

INITIATE TRANSACTION

CURL Command

```
curl --location --request POST 'https://devapi.mvola.mg/mvola/mm/transactions/type/merchant pay/1.0.0/' \
--header 'Version: 1.0' \
--header 'X-CorrelationID: {{XCorrelationID}}' \
--header 'UserLanguage: mg' \
--header 'UserAccountIdentifier: msisdN;{{partnerMSISDN}}' \
--header 'partnerName: {{partnerName}}' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer <ACCESS_TOKEN>' \
--header 'Cache-Control: no-cache' \
--data-raw '{ "amount": "{{amount}}", "currency": "Ar", "descriptionText": "{{description}}", "requestingOrganisationTransactionReference": "", "requestDate": "", "originalTransactionReference": "", "debitParty": [ { "key": "msisdN", "value": "{{customerMSISDN}}" } ], "creditParty": [ { "key": "msisdN", "value": "{{partnerMSISDN}}" } ], "metadata": [ { "key": "partnerName", "value": "{{partnerName}}" }, { "key": "fc", "value": "USD" }, { "key": "amountFc", "value": "1" } ] }
```

INITIATE TRANSACTION

Response Success

Upon successful request THREE (3) outputs will be return

status	Static value “pending”
serverCorrelationId	Reference value to correlate transaction in client side
notificationMethod	callback or polling

INITIATE TRANSACTION

Success Callback Sample

Success: PUT <third party url>

```
{
  "transactionStatus": "completed",
  "serverCorrelationId": "421a22a2-ef1d-42bc-9452-f4939a3d5cdf",
  "transactionReference": "641235",
  "requestDate": "2021-02-24T03:28:00.567Z",
  "debitParty": [
    {
      "key": "msisdN",
```

```

    "value": "33555123456"
  },
],
"creditParty": [
  {
    "key": "msisdn",
    "value": "33555123456"
  }
],
"fees": [
  {
    "feeAmount": "5.46"
  }
],
"metadata": [
  {
    "key": "string",
    "value": "string"
  }
]
}

```

INITIATE TRANSACTION

Failed Callback Sample

Failed: PUT <third party url>

```

{
  "transactionStatus": "failed",
  "serverCorrelationId": "421a22a2-ef1d-42bc-9452-f4939a3d5cdf",
  "transactionReference": "641235",
  "requestDate": "2021-02-24T03:28:00.567Z",
  "debitParty": [
    {
      "key": "msisdn",
      "value": "33555123456"
    }
  ],
  "creditParty": [
    {
      "key": "msisdn",
      "value": "33555123456"
    }
  ],
  "metadata": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}

```

TRANSACTION DETAILS

GET

/mvola/mm/transactions/type/merchantpay/1.0.0/{{transID}}

TRANSACTION DETAILS

Request Headers

Authorization	Bearer <ACCESS_TOKEN initially generated using API Authenticate>
Version	1.0
X-CorrelationID	ID from client to uniquely identify the request in client side.
UserLanguage	FR or MG
UserAccountIdentifier	Format msisdn;{{partnerND}} Ex: msisdn;0340017983
partnerName	The name of the company
Content-Type	application/json
Cache-Control	no-cache

TRANSACTION DETAILS

Request Input

transid	MVola transaction ID
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TRANSACTION DETAILS

CURL Command

```
curl --location --
request GET 'https://devapi.mvola.mg/mvola/mm/transactions/type/merchantpa
y/1.0.0/{{transID}}'\
--header 'Version: 1.0' \
--header 'X-CorrelationID: {{XCorrelationID}}' \
--header 'UserLanguage: FR' \
--header 'UserAccountIdentifier: msisdn;{{partnerMSISDN}} \
--header 'partnerName: {{partnerName}}' \
--header 'Authorization: Bearer <ACCESS_TOKEN>\
--header 'Cache-Control: no-cache' \
--data-raw "
```

TRANSACTION DETAILS

Response
Success

amount	amount
currency	Ar
transactionReference	transid
transactionStatus	trans_result (if 0 “completed”, else “failed”)
createDate	date - convert to standard format
debitParty/msisdn	debtor
creditParty/msisdn	creditor
metadata/originalTransactionResult	result
metadata/originalTransactionResultDesc	Mapped value of “result” from error code table
fee/feeAmount	amount_fee

TRANSACTION STATUS

GET

/mvola/mm/transactions/type/merchantpay/1.0.0/status/{{serverCorrelationId}}

TRANSACTION STATUS

Request Headers

Authorization	Bearer <ACCESS_TOKEN initially generated using API Authenticate>
Version	1.0
X-CorrelationID	ID from client to uniquely identify the request in client side.
UserLanguage	FR or MG
UserAccountIdentifier	Format msisdn;{{partnerND}} Ex: msisdn;0340017983
partnerName	The name of the company
Content-Type	application/json
Cache-Control	no-cache

TRANSACTION STATUS

Request Input

serverCorrelationId	serverCorrelationId in Merchant Pay API Response
---------------------	--

TRANSACTION STATUS

CURL Command

```
curl --location --request GET 'https://devapi.mvola.mg/mvola/mm/transactions/type/merchantpay/1.0.0/{{serverCorrelationId}}\' \
--header 'Version: 1.0' \
--header 'X-CorrelationID: {{XCorrelationID}}' \
--header 'UserLanguage: FR' \
--header 'UserAccountIdentifier: msisdn;{{partnerMSISDN}}' \
--header 'partnerName: {{partnerName}}' \
--header 'Authorization: Bearer <ACCESS_TOKEN>' \
--header 'Cache-Control: no-cache' \
--data-raw ''
```


Response
Success

status	Status of the transaction. Possible values: <ul style="list-style-type: none">pendingcompletedfailed
serverCorrelationId	serverCorrelationId in Merchant Pay API Response
notificationMethod	Notification method of the transaction - polling or callback
objectReference	Transaction reference of actual transaction