

# API TRANSFER

Successful Integrate API Money Transfer of CinetPay

# Contents

1. Version Note .....	2
2. Presentation .....	3
3. PREREQUISITES .....	4
4. Notification URL .....	5
5. Using the API .....	6
5.1. Authentication .....	6
5.2. Transfer Account Information .....	7
5.3. Add one or more contacts to CinetPay .....	8
5.4. Send money from one or more of your CinetPay contacts .....	9
5.5. Get information about a payout .....	10
6. Status of a payout « treatment_status » .....	11
7. Api Codes Responses .....	12
8. DOCUMENTATION UPDATE .....	13

## 1. Version Note

Version	Date	Comments
1.0.0	10/09/17	<ul style="list-style-type: none"><li>• Initial's version</li></ul>
1.0.1	10/11/17	<ul style="list-style-type: none"><li>• Payout status explanation</li></ul>
1.1.0	25/06/18	<ul style="list-style-type: none"><li>• Adding new features</li><li>• Adding extra API codes</li></ul>

Version API Documentation : <https://documenter.getpostman.com/view/1612269/RWEmHGeS>

## **2. Presentation**

This tutorial is intended for all CinetPay merchants who want to transfer money to mobile money accounts through automatic processes (Websites, Mobile Apps, ...).

### 3. PREREQUISITES

Before proceeding with the integration of the money transfer API, please ensure that you have:

- A merchant account on [CinetPay](#)
- Configure API password [[here if it is not yet the case](#)]

#### 4. Notification URL

The notify URL is a link that called by CinetPay after a transfer process. This URL must be available for HTTP GET and POST requests

The server executes a HTTP POST type query containing:

- transaction\_id : transfer identifier
- client\_transaction\_id : your transfer id
- lot : transaction's lot
- amount : amount to transfer
- receiver : receiver mobile number
- treatment\_status : Transfer Status

Always ask true values of the [transfer by querying CinetPay with transaction id](#)

## 5. Using the API

### 5.1. Authentication

<b>Description</b>	To use the API, you must generate a token. Datas: apikey : your apiKey password : API password you configured
<b>URL</b>	https://client.cinetpay.com/v1/auth/login
<b>Method</b>	POST
<b>Data must be sent in GET</b>	<b>lang</b> (en or fr)
<b>Data must be sent in POST</b>	<b>apikey</b> (your apiKey) <b>password</b> (the API password you configured)
<b>Response example: Success</b>	<pre>{   "code": 0,   "message": "OPERATION_SUCCES",   "data": {     "token": "YOUR_TOKEN_HERE"   } }</pre>
<b>Response example: Error</b>	<pre>{   "code": "701",   "message": "INVALID_CREDENTIALS",   "description": "Identifiant de connexion incorrect",   "data": [] }</pre>

- The token obtained by this HTTP request will be used for any other API request
- Its lifetime is 5 min

## 5.2. Transfer Account Information

<b>Description</b>	Once you have the token, you can insert it in GET for having your balance's account transfer Data in GET : token : Token generated during authentication
<b>URL</b>	https://client.cinetpay.com/v1/transfer/check/balance
<b>Method</b>	GET
<b>Data must be sent in GET</b>	<b>token</b> (a valid token valid) <b>lang</b> (fr or en)
<b>Data must be sent in POST</b>	...
<b>Response example: Success</b>	<pre>{   "code": 0,   "message": "OPERATION_SUCCES",   "data": {     "amount": 663,     "inUsing": 0,     "available": 663   } }</pre>
<b>Response example: Error</b>	<pre>{   "code": "706",   "message": "INVALID_TOKEN",   "description": "Votre token est invalide",   "data": [] }</pre>



### 5.3. Add one or more contacts to CinetPay

<b>Description</b>	To transfer money to a phone number, it must be in your contact list before. Use this link to add one or more contacts; POST data: <b>data</b> : the list of contacts to add
<b>URL</b>	<a href="https://client.cinetpay.com/v1/transfer/contact">https://client.cinetpay.com/v1/transfer/contact</a>
<b>Method</b>	POST
<b>Data must be sent in GET</b>	<b>token</b> (a valid token) <b>lang</b> (en or fr)
<b>Data must be sent in POST</b>	<b>data</b> = [json] containing <ul style="list-style-type: none"> <li>• prefix : the phone number prefix</li> <li>• phone : Contact phone number</li> <li>• name : Contact name</li> <li>• surname : Contact surname</li> <li>• email : Contact email</li> </ul> example: <pre>[{   "prefix": "225",   "phone": "01020304",   "name": "Test A",   "surname": "Test B",   "email": "testa@exemple.com" },{   "prefix": "225",   "phone": "01020304",   "name": "Test C",   "surname": "Test D",   "email": "testb@exemple.com" }]</pre>
<b>Response example: Success</b>	<pre>{   "code": 0,   "message": "OPERATION_SUCCES",   "data": [     [       {         "prefix": "225",         "phone": "53798590",         "name": "Test A",         "surname": "Test B",         "email": "testa@exemple.com",         "code": 0,         "status": "success",         "lot": "0044557641201530021279"       },       {         "prefix": "225",         "phone": "77895086",         "name": "Test C",         "surname": "Test D",         "email": "testb@exemple.com",         "code": 0,         "status": "success",         "lot": "0044557641201530021279"       }     ]   ] }</pre>

## 5.4. Send money from one or more of your CinetPay contacts

<b>Description</b>	you can initiate a payout to a mobile number of your contacts You must confirm the transfer by mail <sup>1</sup>
<b>URL</b>	<a href="https://client.cinetpay.com/v1/transfer/money/send/contact">https://client.cinetpay.com/v1/transfer/money/send/contact</a>
<b>Method</b>	POST
<b>Data must be sent in GET</b>	<b>token</b> (a valid token valid) <b>lang</b> (en or fr)
<b>Data must be sent in POST</b>	<p><b>data</b> = [json] containing</p> <ul style="list-style-type: none"> <li>• <b>prefix</b> : country prefix</li> <li>• <b>phone</b> : phone number on your contact</li> <li>• <b>amount</b> : amount to be sent [in XOF]</li> <li>• <b>notify_url</b> : The notification url to call when the transfer will be completed</li> </ul> <p>Example:</p> <pre>[{   "prefix": "225",   "phone": "07895086",   "amount": 500,   "client_transaction_id": "MYMERCHANTID1",   "notify_url": "http://yourdomain.com/transfer/notify" }, {   "prefix": "225",   "phone": "03798593",   "amount": 2000,   "client_transaction_id": "MYMERCHANTID2",   "notify_url": "http://yourdomain.com/transfer/notify" }]</pre>
<b>Response example: Success</b>	<pre>{   "code": 0,   "message": "OPERATION_SUCCES",   "data": [     [       {         "prefix": "225",         "phone": "07895086",         "amount": 500,         "client_transaction_id": "MYMERCHANTID1",         "notify_url": "http://93fd59a2.ngrok.io",         "code": 0,         "status": "success",         "transaction_id": "EA180627.122753.M279245",         "lot": "0044557641201530102473"       },       {         "prefix": "225",         "phone": "07895086",         "amount": 350,         "client_transaction_id": "MYMERCHANTID2",         "notify_url": "http://93fd59a2.ngrok.io",         "code": 0,         "status": "success",         "transaction_id": "EA180627.122754.Y707825",         "lot": "0044557641201530102473"       }     ]   ] }</pre>
<b>Response example: Error</b>	<pre>{   "code": 602,   "message": "INSUFFICIENT_BALANCE",   "description": "Fonds Insuffisant :disponible 4 233,00, Total de l'operation à effectuer : 32 000,00",   "data": [] }</pre>

<sup>1</sup> Every payout must be confirmed by merchant (mail confirm). If you want to bypass it, you must ask it to CinetPay and provide us a list of IPs that will be able to initiate a payout

## 5.5. Get information about a payout

<b>Description</b>	This allows you to have information about a payout
<b>URL</b>	https://client.cinetpay.com/v1/transfer/check/money
<b>Method</b>	GET
<b>Data must be sent in GET</b>	<b>token</b> (a valid token) <b>lang</b> (en or fr) <hr/> <b>transaction_id</b> (CinetPay transaction ID) OR <b>client_transaction_id</b> (Your transaction ID) OR <b>lot</b> (Le numéro de lot CinetPay)
<b>Data must be sent in POST</b>	...
<b>Response example: Success</b>	<pre>{   "code": 0,   "message": "OPERATION_SUCCES",   "data": [{     "transaction_id": "EA180627.122753.M279245",     "client_transaction_id": "MYMERCHANTID1",     "lot": "0044557641201530102473",     "amount": "500",     "receiver": "07895086",     "receiver_e164": "+22507895086",     "operator": "OM",     "sending_status": "CONFIRM",     "transfer_valid": "Y",     "treatment_status": "VAL",     "comment": "Transfert effectué avec succès",     "validated_at": "2018-06-27 12:53:26"   }] }</pre>
<b>Response example: Error</b>	<pre>{   "code": 723,   "message": "NOT_FOUND",   "description": "Aucun element trouvé",   "data": [] }</pre>

- You must pay particularly attention on value of variable « **treatment\_status** », because this variable gives the status (new, pending, validated, rejected...) of a payout
- The variable « sending\_confirm » is used to specify if you have confirmed the transfer by mail
  - CONFIRM: you confirmed the transfer by mail
  - PENDING: you haven't confirmed the transfer by mail

## 6. Status of a payout « treatment status »

It's important to know different statuses that a payout can have during processing

Status	Description	Type
<b>NEW</b>	Payout is in waiting to be processed	Transition
<b>REC</b>	Payout is in processed	Transition
<b>VAL</b>	Payout has been processed with success	<b>Final</b>
<b>REJ</b>	Payout has been rejected	<b>Final</b>
<b>NOS</b>	Payout is on pending	Transition

## 7. Api Codes Responses

Code	Message	Description
0	OPERATION_SUCCES	Operation successfully completed
-1	OPERATION_ERROR	Errors in the execution of the requests
701	INVALID_CREDENTIALS	Apikey or password incorrect
702	COULD_NOT_CREATE_TOKEN	Unable to generate token
703	INVALID_USER	Merchant account is invalid
704	INVALID_PARAM	The sent parameters are not correct
705	EXPIRED_TOKEN	The token has expired
706	INVALID_TOKEN	Token is invalid
707	CANT_REFRESH_TOKEN	You must generate another token
708	NOT_ALLOWED	You are not allowed to visit the link
709	EXECUTION_ERROR	Errors in the execution of the requests
710	EXECUTION_ERROR	Errors in the execution of the requests
715	UNEXPECTED_ERROR	An unknown error occurred
716	DATA_NOT_VALID	Emitted data is incorrect
717	ERROR_PHONE_NOT_PARTICULAR	The phone number does not match with a valid CinetPay particular account
718	JSON_PARSE_ERROR	The JSON sent has errors
719	AMOUNT_TOO_SMALL	The amount must be greater than 200 XOF
720	AMOUNT_TOO_LARGE	The amount must be less than 1500000 XOF
721	OPERATOR_NOT_AVAILABLE	The operator is not supported by CinetPay
602	INSUFFICIENT_BALANCE	Your CinetPay transfer balance is insufficient to complete this transaction
723	NOT_FOUND	No results for this search
724	ERROR_PHONE_NOT_MY_CONTACT	The phone number does not exist in your CinetPay's contact list
725	MISSING_NOTIFY_URL	You must mention a valid notification url
801	INVALID_AMOUNT	The amount entered is invalid
802	INVALID_PHONE	The phone number entered is invalid
804	OPERATOR_UNAVAILABLE	The operator is not yet supported by CinetPay
805	CLIENT_TRANSACTION_ID_EXIST	Your transaction ID already exists on CinetPay

## 8. DOCUMENTATION UPDATE

In order to constantly improve the understanding and proper use of this documentation, constructive remarks by users are significant.

Please send your comments and suggestions to: [support@cinetpay.com](mailto:support@cinetpay.com)