

INTOUCH GROUP

DIRECTION TECHNIQUE



OBJET DU DOCUMENT :

CASHIN & CASHOUT API UPDATE

SUIVI DU DOCUMENT			
Version	Date	Changes	Auteur
1.1	26/11/20	Taking into account the "Successful" status Change test environment domain	Intouch

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I. What is Touch API ?

Touch APIs allow you to integrate digital services into your platform without going directly through a multitude of partners.

By integrating our solution, you have an operating account (TOUCH) to distribute a wide range of services (Mobile money, phone credit, billing, money transfer,

etc.). Your single account is impacted after each credit or debit transaction.

Exemple : Mobile money (deposit and withdrawal) :

The "Deposit" (CASHIN) and "Withdrawal" (CASHOUT) are Mobile money service codes offered in Touch API.

- CASHIN : means the deposit on the end customer's mobile money account;
- CASHOUT : means the withdrawal of cash to the end customer's mobile money account;

a. Some functions offered by Touch API :

- Create a transaction ;
- Search for a transaction ;
- Get your balance ;
- Have your transaction history, etc.

What are the different statuses available for a transaction via Touch API?

The different statuses of a transaction are :

- PENDING : This is a transaction that InTouch has not yet confirmed with the service partner. Its status can last up to 24 hours. A reconciliation procedure on D+1 with the same service partner allows the status of the transaction to be automatically cleared.
- SUCCESSFUL : As the name implies, this status designates a successful and closed transaction at Touch.
- FAILED : This status designates a failed and closed transaction at Touch.

Once a transaction is closed after a failure or success, its status changes to "Finished". Touch API returns a reminder with the final status via Call back or the Get status function.

b. How to get a Touch API account?

Accessing the Touch API requires a Touch account. The InTouch Support team will share this account with the developer. To create it, the support team will need the following information :

- Last name, first name, e-mail and phone number for a supervisor profile of the account;
- Name, first name, e-mail and phone number for the cashier profile of the same account.

c. How to integrate Touch API ?

The procedure for integrating the Touch API is as follows:

1. Collection of information for the creation of the customer's Touch account by the Touch business team (Names, first names, telephone numbers, copy of the account holder's CNI, Ninéa, RCCM or receipt of Association, NGO, etc.);
2. Creation and delivery of the customer's Touch account by Touch support. The delivery includes a Json file to be exported under insomnia to be downloaded on <https://insomnia.rest/>, as well as the various procedures
3. Mise en place d'un canal de support interactif pour assister le client en cas de besoin exprimé par retour au mail de livraison ;
4. Integration validation by Touch and Go Live.

Technical integration details:

- **Types of requests :**
 - Cashin / Cashout or "Deposit" / "Withdrawal" requests
 - Endpoint :
 - **Cashin**
 - Dev : https://dev-api.rec-gutouch.com/v1/agency_code/cashin
 - Prod : https://api.gutouch.com/v1/agency_code/cashin
 - **Cashout**
 - Dev : https://dev-api.rec-gutouch.com/v1/agency_code/cashout_request
 - Prod : https://api.gutouch.com/v1/agency_code/cashout_request
- **Type of authentication : BASIC**
 - Méthode : POST
 - Body :


```
{
  "service_id" : "CODE DU SERVICE",
  "recipient_phone_number" : "XXXXXXXXXX",
  "amount" : 100,
  "partner_id" : "XXXXXX",
  "partner_transaction_id" : "15908685691625",
  "login_api" : "Votre_login",
  "password_api" : "Votre_mot_de_passe", "call_back_url"
  : "http://adresse_de_votre_url_callback"
}
```

 - service_id = Identifier of the service provided by INTOUCH
 - recipient_phone_number = Client's phone number.
 - amount = Amount to reload
 - partner_id = Distributor ID, provided by Intouch

- partner_transaction_id = Identifier of the transaction generated by the partner (unique)
- login_api = Identifier assigned to the partner
- password_api = Password assigned to the partner
- call_back_url = Partner URL for end of transaction notification (callback)

- **The type of response :**

```
{
  "service_id": "CODE DU SERVICE",
  "gu_transaction_id": "1499360089225",
  "status": "PENDING",
  "transaction_date": "2017/07/06 16:54:49 PM",
  "recipient_phone_number": "XXXXXXXXXX",
  "amount": 100,
  "partner_transaction_id": "15908685691625"
}
```

You will receive the following values in the status field:

- PENDING or INITIATED : the transaction is well initiated in our system, you will receive the final status in the callback (asynchronous)
- SUCCESSFUL : the transaction is initiated and validated in our system (synchronous)
- FAILED : The transaction went directly to failure

ATTENTION : a transaction whose response is not supported in this document must be saved in your system with a special status for manual reconciliation.

- **The Callback**

The final status of each transaction will be notified in your callback. The implementation requires some specifications :

- The method must not include any authentication
- A WS of type POST

Here is the body of the callback request:

```
{  
  "service_id": "String", (le code du service)  
  "gu_transaction_id": "String", (l'ID de la transaction de TOUCH)  
  "status": "String", (le statut final de la transaction : SUCCESSFUL ou FAILED)  
  "partner_transaction_id": "String", (Votre ID)  
  "call_back_url": "String",  
  "commission" : "double",  
  "message" : "String", (r reason for transaction failure)  
}
```

Example :

```
{service_id : CASHINOM, gu_transaction_id : 1604681502752, status : FAILED,  
partner_transaction_id : 1603881571107, call_back_url :  
https://f5b0cf3f2908.ngrok.io/callbackApi, commission : 0.0, message : [19] Unable to process  
payment at this time. Try again later.}
```

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