

Airtime API Document

Version 2.7.2

Glossary

| Acronym or Term | Definition |
|-----------------|---|
| DTH | Direct-To-Home |
| MSISDN | Mobile Subscriber Integrated Services Digital Network-Number |
| PLN | Perusahaan Listrik Negara, English: 'State Electricity Company' |

2.0 Getting Started: Account Set-Up and Management

~~This API enables developers to integrate (Topup System) Top-up service into their system. If you are building application that leverages international recharge services, then this is the API for you.~~

Before started, you may want to explore what developers have done by integrating this API. Then, you should have a look at the URL listed in Annexes (Web and Mobile Apps Developers Samples, chapters 10.4 and 10.5).

This section introduces the following best practices related to account set-up and management:

- Retrieve your account credentials
- Send a request (HTTPS)
- Establish a connection to the API
- Generate a temporary and unique key to query the API
- Consult and credit your account balance
- Test your account

2.1 Retrieve your API Token

Once you have received your account credentials (login, password) to access the (Topup System) web interface, you must log in and retrieve your API token to be used with the (Topup System) API.

To activate access to your API account, enable Two Factor Authentication (2FA). Google Authenticator app is available on iTunes and Google Play. We strongly recommend you the use of the Google Authenticator app over SMS Authentication as it is not time or network-dependent. If you do not have access to the Google Authenticator app, select SMS Token.

To sign up to 2FA

1. Login to <http://shop.transferto.com/>.
2. Select **Developer** from the top menu, and click **Click Here to enable 2FA**.
3. Select **Google Authenticator** and click **Save**.
4. In **Google Authenticator** app, scan the displayed barcode or direct key-in the displayed code.

You are registered.

Then, to retrieve your API token

1. Select **Developer** from the top menu.
2. Enter the 6 digits code displayed on your device's Google Authenticator.
3. Click on **Submit** button.

Your API token is displayed.

Click on **REGENERATE** and **Save** if you need to reset it.

2.2 How to Send Requests

(Topup System) platform is reachable via HTTPS URL.

There are currently 3 ways or methods to send a request to the API:

- XML format (POST method)
- Plain text (POST method)
- Plain text (GET method)

The platform will send a response formatted to XML if XML format was used in the request.

Plain Text POST/GET Requests

You must provide parameters using the HTTPS POST or GET methods (both are valid and recognized by the system). While GET method is good for writing test requests quickly, we recommend using POST method for production as there is no length limitation and is safer.

The URL to reach the platform is <https://fm.transfer-to.com/cgi-bin/shop/topup>

A GET request will look like this one:

<https://fm.transfer-to.com/cgi-bin/shop/topup?login=login&key=key&md5=md5&action=ping>

With the following parameters passed in the URL:

- login
- key
- md5
- action (here ping)

For a POST request, the parameters are sent in the request body.

If you send the parameters using the POST method or the GET method, the (Topup System) API sends back a “text/plain” document with human readable information formatted in the following format (each line ends with ‘\r\n’):

```
value1=result1
value2=result2
...
```

XML POST Request

As discussed above, you can also reach the platform using XML.

When sending a request, format content in XML before creating the URL request.

Note: Set the content type to “text/xml.”

The response will be in XML. All field names that you used to create the request and received in the response remain the same as those used in “text/plain” format.

2.3 Authentication and Security

In addition to HTTPS, an IPSEC VPN can be established upon request.

In the XML message itself being transmitted over HTTPS, 3 parameters are related to authentication: login, key, MD5.

| Parameter | Type | Description |
|-----------|---------------------|--|
| login | Alphanumeric String | Account login name provided by (Topup System). |
| key | Integer | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | MD5 sum of the hex encoded concatenation of login, token, and key. |

Table 1 – Authentication parameters

For each request, generate a key, which is a unique integer. Generate and manage this key on your side. To generate this key, you need to use your API token (alphanumeric string retrieve from the web interface as described in chapter 2.1).

The following is an example of a good key.

- Use a unique server: a time stamp with milliseconds.
- Use multiple servers.
 - Use a common sequence shared through a database to ensure that all the servers are synchronized.
 - Set up several accounts through the Transfer-To web interface to have distinct sequences (one per server for instance).

Note: As of 31st July 2013 (API version 1.06.18), access to the API is fully independent from your account's credentials. A separate token must be activated to connect to the (Topup System) API. For existing users prior to 31st July 2013, your token is the same as your account's password.

Example

The login and token used below are for this example only. You need to use your own login and token.

- login: client
- token:pass99
- key: 1 to 5

Calculation of the MD5 hash:

- md5 = md5_hex(login.token.key)

Results

```
key = 1, md5 = 2f922ef79253f93d0fc05d0ac0b0d100
key = 2, md5 = 43dd325a272140a9f47a3be015eb8129
key = 3, md5 = cc98cf7d902047101be5635f6af3877e
key = 4, md5 = b4a9d3a95ac0efb73d840bd0dbbe1d1c
key = 5, md5 = a43cff6e5d057f84b1ae99e64245bff8
```

As you can see in these samples, the calculated key is distinct for each transaction.

2.4 Timeout Parameter

More than 99.5% of the transactions are currently processed within a few seconds.

However, it may happen in some rare cases that a transaction takes longer to be processed by the receiving operator due to congested system on their end for instance.

(Topup System) guarantees that transactions not processed within 600 seconds will not be charged, whatever the final status of the transaction (successful or not). In addition, (Topup System) is operating a real time system; therefore, the status returned in the Top-up response is final and will not change.

To ensure that your system captures successfully the status of all transactions especially the longest ones, it is advised to either set up a high timeout value of 600seconds to be on the safe side (TCP connection could potentially be opened for a long time in this case) or to set up a mechanism to check on the status (to do so, you can call the [trans_info](#) method to retrieve the final status of a transaction).

In case of timeout, both methods [reserve_id](#) and [get_id_from_key](#) of the API could be useful to identify the ID of the transaction (we recommend to either send a [reserve_id](#) request and to use the ID returned in the response in the subsequent top-up request so that you know in advance the ID of the transaction).

2.5 Account, Sub-Accounts

(Topup System) creates an account, and you can retrieve your token through the portal with the login name provided. This account stands for your master account.

2.6 Account balance: How does it work?

Master account

(Topup System) system works on a prepaid basis. Each new account is initialized with a minimum amount in their balance allowing to perform the basic tests. Check your balance by either connect to the web interface (see hereafter) or use the API method described in chapter 7.1.

Sub accounts

There are 3 things to know for sub-account balance management:

1. Sub-account balance can be shared with master (default setting)

This is defined at sub-account creation. If shared, each transaction will imply a debit from master account balance. Else, only sub-account balance will be impacted.

2. A daily limit can be fixed on sub-account balance

3. Sub-account balance is credited from Master

To check your master account balance, you must send the request with the login name provided by (Topup System).

To check your sub-account balance, you must send the request with the login name defined at sub-account creation.

Please refer to section 7.1 to see more details on how to check account balance.

3.0 API Overview

This API enables developers to access some of the core primitives of (Topup System) platform including [msisdn_info](#), [reserve_id](#) and [topup](#). In addition, this API also offers several methods identified by a specific value of the parameter “action”.

Basics

Airtime Recharge Query

`msisdn_info`
`reserve_id`
`topup`

Account

Balance, Offer and Pricelist Query

`check_wallet`
`pricelist`

Tests

Simulate Top-up and Error Codes

`ping`
`simulation`

Reports

Transaction Information Query

`trans_info`
`trans_list`
`get_id_from_key`

Advanced values

PLN and DTH Recharge Query

Basics

| Action | Description |
|-----------------------------|---|
| msisdn_info | Returns relevant information on a MSISDN (operator, country...) as well as the list of products configured for your account and the destination operator linked to that MSISDN. Allows to check if a MSISDN is subjected to a promotion. |
| reserve_id | Returns a transaction ID reserved in the system to be used during next topup or simulation query. This way, your system has the ID of the transaction before sending the request to (Topup System). Otherwise, it will appear only in the response. |
| topup | Allows to conduct a Top-up. Returns transaction details based on product type (PIN-Less or PIN-Based): transaction id and status, error code, pin information, local amount received, etc. |

Account

| Action | Description |
|------------------------------|---|
| check_wallet | Returns your account balance. Do not use this method more than 24 times per day. |
| pricelist | Returns information configured in your account such as counties list, operators list, or products list and prices (wholesale and retail). |

Tests

| Action | Description |
|----------------------------|---|
| ping | Allows to check account credentials. |
| simulation | This method is used to simulate a Top-up. It takes the same arguments as topup action. It does not perform a real Top-up to the destination number. |

Reports

| Action | Description |
|---------------------------------|---|
| trans_info | Returns all available information on a specific transaction ID. |
| trans_list | Returns the list of transactions performed during a given date range. |
| get_id_from_key | Returns the ID of a transaction previously performed based on the key used in the request at that time. |

4.0 Basics: Airtime Recharge Query

This section introduces the different steps to the Top-up process flow:

- Retrieve information on a MSISDN
- Reserve an ID in the system
- Send an airtime recharge

4.1 Introduction to Top-up End-To-End Flow

Using “[msisdn_info](#)”, “[reserve_id](#)” and “[topup](#)” Methods

The following process describes a typical transaction flow based on the **main** methods provided by the API:

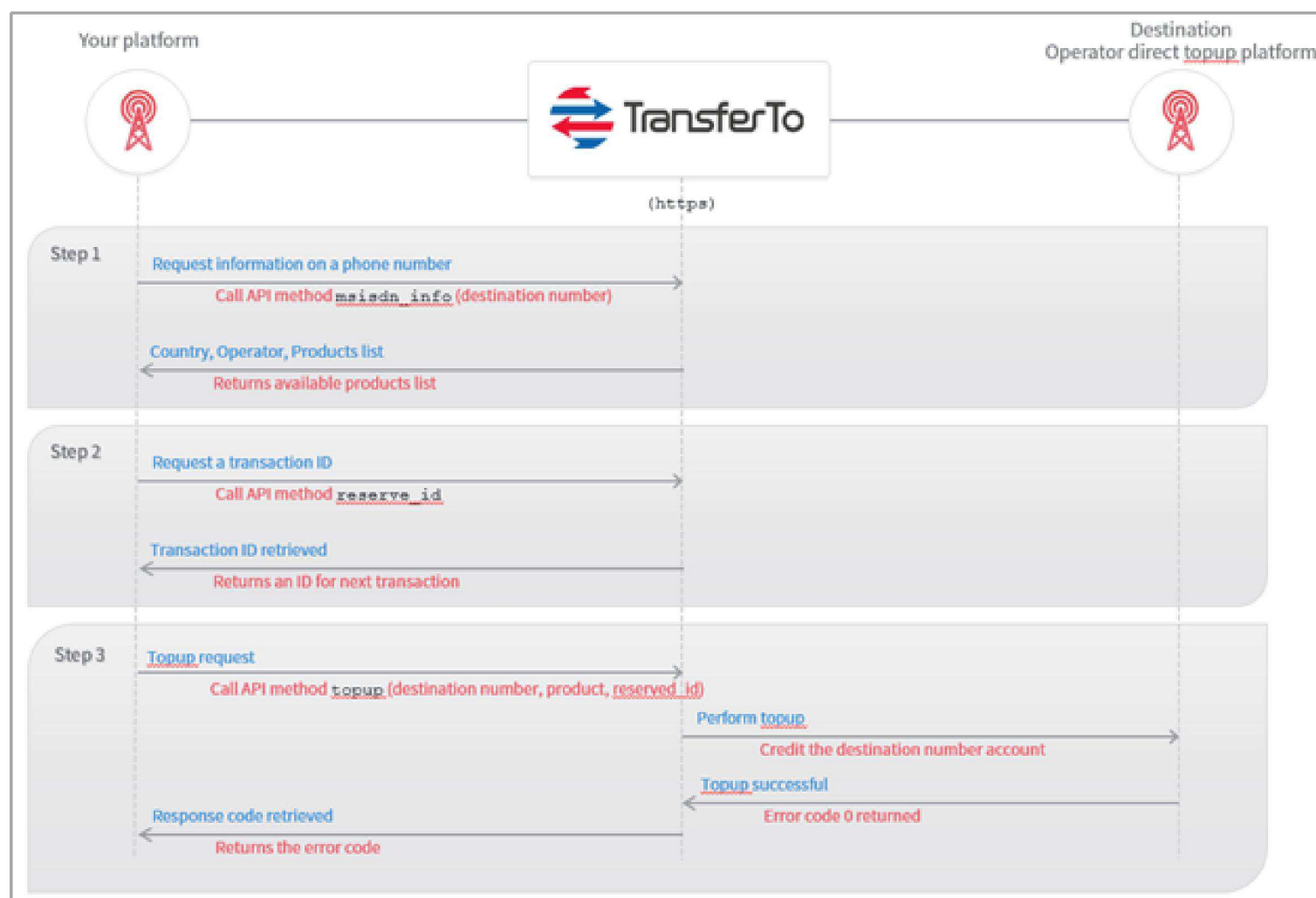
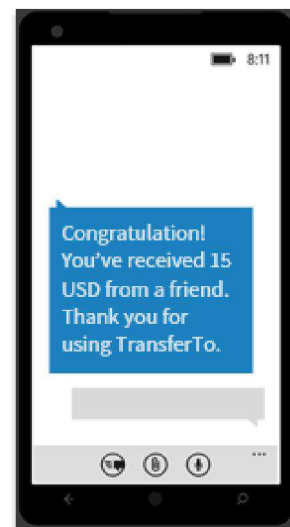


Figure 1 – Top-up Process Flow

SMS Management

By default, an SMS notification is sent to the recipient after every successful Top-up.
The following is the default SMS which is translated into local languages for most of recipient countries:

Example:



Congratulations! You've received
AMOUNT_CURRENCY from SENDER. Thank you for us-
ing (Topup System). FREE_TEXT.

- AMOUNT_CURRENCY is the amount that has been sent with the currency.
- SENDER can be a name or a phone number.
- FREE_TEXT is the content of the field named "sms" of the [topup](#) method.

The default originating address for the SMS is "8888".

4.2 Get details on a MSISDN

Purpose: Check phone number format; Get operator and available denominations; etc.

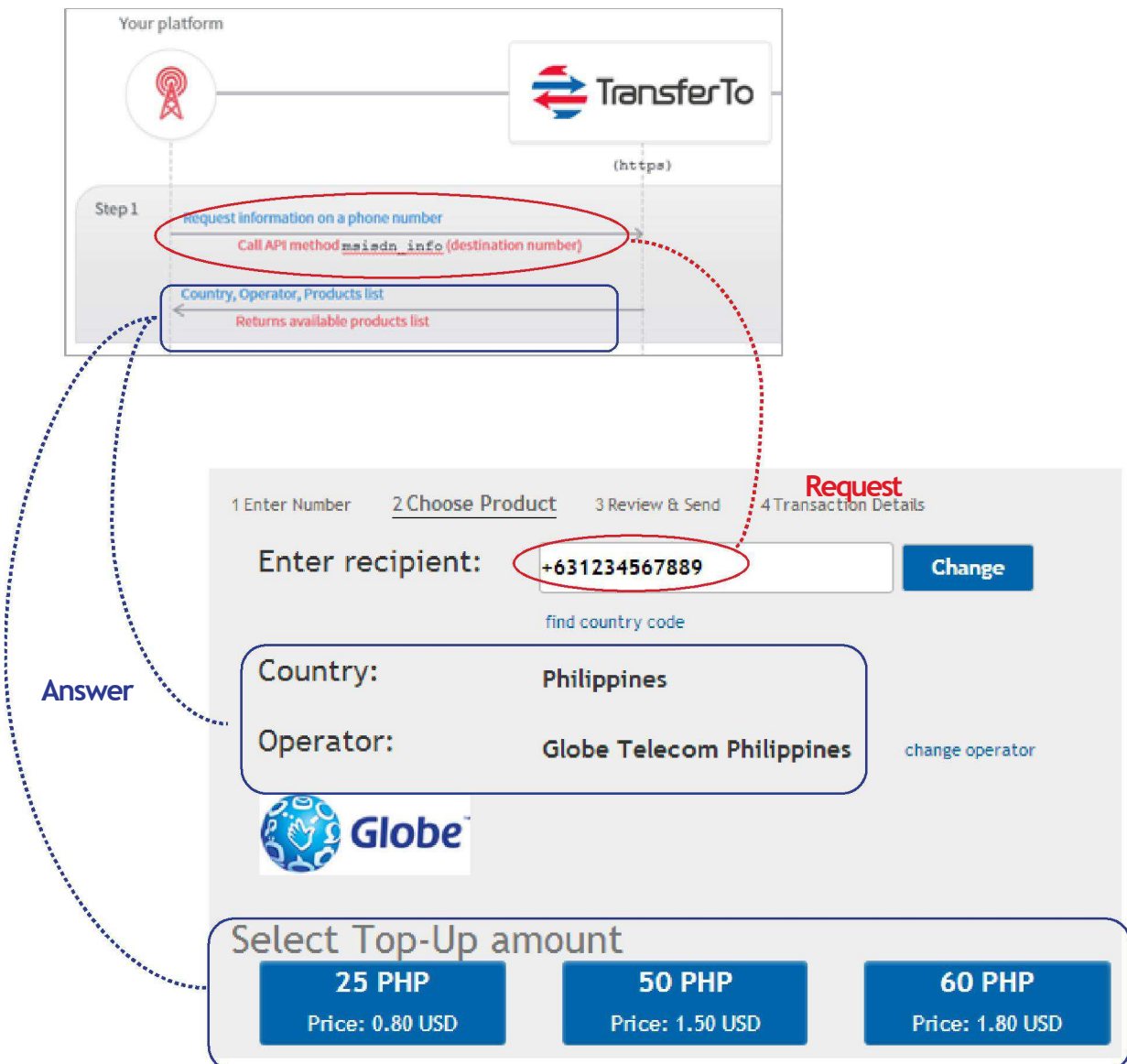


Figure 2 – “msisdn_info Method Illustration”

Method `msisdn_info`

Returns relevant information on a MSISDN (operator, country...) as well as the list of products configured for your account and the destination operator linked to that MSISDN. Allows to check if a MSISDN is subjected to a promotion.

Request Parameters

| Name | T y p e | Required (Yes/No) | Description |
|-----------------------|--|----------------------|--|
| login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "msisdn_info" |
| destination_msisdn | Numeric String | Y | Destination MSISDN (usually recipient phone number). This is the destination phone number that will be credited with the amount transferred. Format is similar to "msisdn" and restricted to international phone number only. |
| delivered_amount_info | Alphanumeric String (less than 2 chars) | N | Setting this to "1" will return the fields local_info_amount_list, local_info_currency and local_info_value_list in the API response. Blank or "no" if you do not want this returned. |
| return_service_fee | Numeric | N | Setting this to "1" will return the field service_fee_list in the API response. Blank or "0" if you do not want it returned. |
| operatorid | Integer | N | Operator ID of the receiving operator that must be used when treating the request. If set, the platform will be forced to use this operator ID and will not identify the operator of the destination MSISDN based on the numbering plan. It is very useful in case of countries with number portability if you are able to know the destination operator. |
| return_promo | Numeric | N | Setting this to "1" will return the current promotion related to the transaction's operator. |

Response Parameters

| Name | Type | Description |
|----------------------|---------------------|---|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| country | Alphanumeric String | Country of the destination operator. |
| countryid | Integer | Unique ID of the destination country. |
| operator | Alphanumeric String | Destination operator name. |
| operatorid | Integer | Destination operator ID returned only if forced by client, else blank. |
| connection_status | Integer | Shows successful rate to the destination operator. 1-100 with 100 being 100% success rate. |
| destination_msisdn | Numeric String | Destination MSISDN (usually recipient phone number). |
| destination_currency | Alphanumeric String | Currency of the destination country. |
| product_list | String | Returns the list of all available products configured for the current account. Products are separated by a comma. |
| service_fee_list | String | Returns the list of all service fee configured for the current account. Prices are separated by a comma and in the currency of the current account. |
| retail_price_list | String | Returns the list of all final retail prices configured for the current account. Prices are separated by a comma and in the currency of the current account. |
| wholesale_price_list | String | Returns the wholesale price (also known as Your Cost) list of all available products configured for the current account. Prices are separated by a comma and in the currency of the current account. |

| Name | Type | Description |
|------------------------|---------------------|---|
| local_info_amount_list | String | List of final amounts received by recipient (after taxes and operator fees). Indicative value only. |
| local_info_value_list | Numeric | List of each product amount (before taxes and service fees) in local currency. |
| local_info_currency | Alphanumeric String | Currency of the destination country. |
| promotion | Alphanumeric String | Promotion details. Returned only when requested with return_promo field. |
| promo_start | Date | Promotion start date (e.g “yyyy-mm-dd hh:mm:ss+offset”). |
| promo_end | Date | Promotion end date (e.g “2013-12-01 13:05:55+00”). |

Sample Request

```
<xml>
<login>test</login>
<key>1326965217</key>
<md5>md5</md5>
<destination_msisdn>+60172860300</destination_msisdn>
<delivered_amount_info>1</delivered_amount_info>
<return_service_fee>1</return_service_fee>
<action>msisdn_info</action>
</xml>
```

1 Enter Number

2 Choose Product

3 Review & Send

4 Transaction Details

Enter recipient:

+60172860300

Change

[find country code](#)

Sample Response

```
<TransferTo>
<country>Malaysia</country>
<countryid>799</countryid>
<operator>Maxis Malaysia</operator>
<operatorid>385</operatorid>
<connection_status>100</connection_status>
<destination_msisdn>60172860300</destination_msisdn>
<destination_currency>MYR</destination_currency>
<product_list>5,10,20,30</product_list>
<service_fee_list>0.00,0.00,0.00,0.00</service_fee_list>
<retail_price_list>2.10,4.00,7.80,11.60</retail_price_list>
<wholesale_price_list>1.95,3.72,7.25,10.79</wholesale_price_list>
<authentication_key>1326965217</authentication_key>
<error_code>0</error_code> <error_txt>Transaction
successful</error_txt>
<local_info_amount_list>5.00,10.00,20.00,30.00</local_info_amount_list>
<local_info_value_list>5.00,10.00,20.00,30.00</local_info_value_list>
<local_info_currency>MYR</local_info_currency>
</TransferTo>
```

Country:

Malaysia

Operator:

Maxis Malaysia



Select Top-Up amount

5 MYR

Price: 2.10 USD

10 MYR

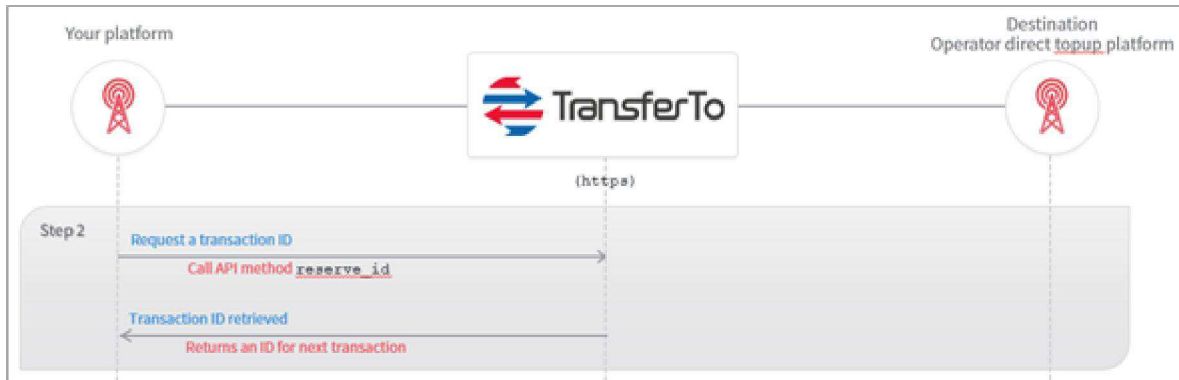
Price: 4.00 USD

20 MYR

Price: 7.80 USD

4.3 Reserve an ID

Purpose Get a reserved ID from the system



Method `reserve_id`

Returns a transaction ID reserved in the system to be used in during next [topup](#) or [simulation](#) query. This way, your system has the ID of the transaction before sending the request to (Topup System). Otherwise, it will appear only in the response.

Request Parameters

| Name | Type | Required(Yes/No) | Description |
|--------|---------------------|------------------|--|
| login | Alphanumeric String | Y | Account login name provided by Transfer-To. |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "reserve_id" |

Response Parameters

| Name | Type | Description |
|--------------------|---------------------|--|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| reserved_id | Numeric | Reserved ID in (Topup System) system to use in the next topup or simulation request. |

Request

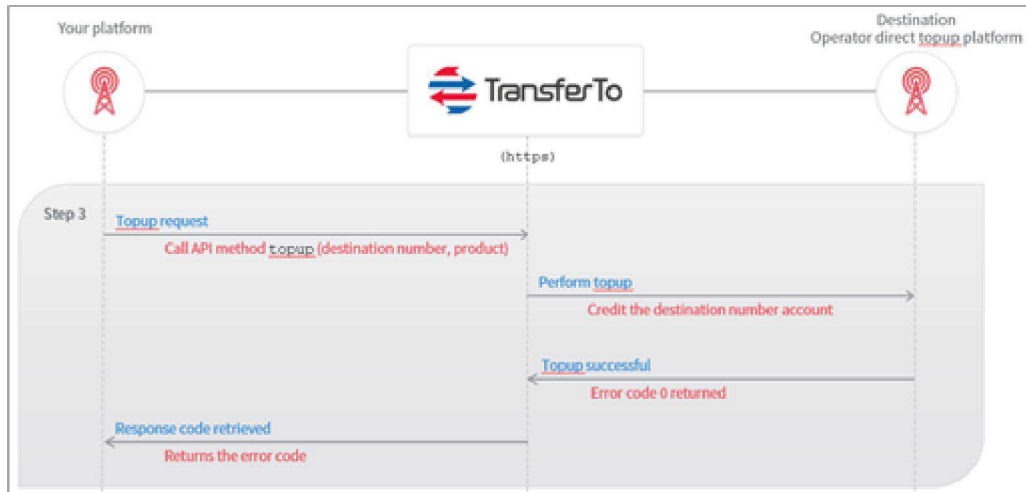
```
<xml>
<login>your_login</login>
<key>1217303174266</key>
<md5>b70aa58d2fe87d0bb0cd2b1902e5fce2</md5>
> <action>reserve_id</action> </xml>
```

Response

```
<TransferTo>
<status_code>0</status_code>
<reserved_id>20123457</reserved_id>
<error_txt>Transaction successful</error_txt>
<authentication_key>1217303174266</authentication_key>
<error_code>0</error_code> </TransferTo>
```

4.4 Conduct a Top-up

Purpose Send an airtime recharge



Method `topup`

Allows to conduct a Top-up. Returns transaction details based on product type (PIN-Less or PIN-Based): transaction id and status, error code, pin information, local amount received, etc.

Request Parameters

| Name | Type | Required (Yes/No) | Description |
|--------|---------------------|-------------------|--|
| Login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| Key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "topup" |

| Name | Type | Required (Yes/No) | Description |
|--------------------|---------------------|-------------------|--|
| destination-msisdn | Numeric String | Y | Destination MSISDN (usually recipient phone number). This is the destination phone number that will be credited with the amount transferred. Format is similar to "msisdn" and restricted to international phone number only. |
| return-service-fee | Numeric | N | Setting this to "1" will return the field service-fee-list in the API response. Blank or "0" if you do not want it returned. |
| operatorid | Integer | N | Operator ID of the receiving operator that must be used when treating the request. If set, the platform will be forced to use this operator ID and will not identify the operator of the destination MSISDN based on the numbering plan. It is very useful in case of countries with number portability if you are able to know the destination operator. |
| return-promo | Numeric | N | Setting this to "1" will return the current promotion related to the transaction's operator. |
| msisdn | Alphanumeric String | Y | The international phone number or name of the user requesting to credit a phone number (sender phone number). The format must contain the country code, and will be valid with or without the '+' or '00' placed before it. For example: "6012345678" or "+6012345678" or "006012345678" (Malaysia) or "John" are all valid. This field must not be empty. |
| product | Alphanumeric String | Y | Product (or denomination) to use in the request (often, the same as the amount in destination currency). |

| Name | Type | Required (Yes/No) | Description |
|-------------|--|-------------------|--|
| cid1 | Alphanumeric String (less than 64 chars) | N | This field can be used to record any kind of information when performing a transaction. It is stored in (Topup System) database and may appear in various reports. |
| cid2 | Alphanumeric String (less than 64 chars) | N | This field can also be used to record any kind of information when performing a transaction. It is stored in (Topup System) database and may appear in |
| cid3 | Alphanumeric String (less than 64 chars) | N | This field can also be used to record any kind of information when performing a transaction. It is stored in (Topup System) database and may appear in |
| reserved_id | Numeric String | N | If defines, (Topup System) system will use the previously reserved ID (via Method "reserve_id") for this transaction. |
| send_sms | Alphanumeric String (yes or no) | N | Recipient SMS When this field is set to "no", the notification SMS is not sent to the recipient. When this field is not defined or not equals to "no", the default SMS is sent to recipient. |
| sms | Alphanumeric String (less than 30 chars) | N | Recipient SMS This field is used to send your own free text message. It will be appended to the default notification SMS sent to the recipient. It does NOT define the entire content of the SMS sent to recipient. Must be less than 30 chars and special characters have to be encoded (&, <, >...). |
| sender_sms | Alphanumeric String | N | Sender SMS "yes" if required, blank or "no" if not required. |

| Name | Type | Required(Yes/No) | Description |
|-----------------------|--|------------------|--|
| sender-text | Alphanumeric String (less than 30 chars) | N | Sender SMS Used only if "sender-sms" is equals to "yes". This field is used to send your own free text message. It will be appended to the default notification SMS sent to the sender. It does NOT define the entire content of the SMS sent to sender. |
| delivered-amount-info | Alphanumeric String (less than 2 chars) | N | Setting this to "1" will return the fields local-info-amount-list, local-info-currency and local-info-value-list in the API response. Blank or "no" if you do not want this returned. |
| return-timestamp | Numeric | N | Setting this to "1" will return the field timestamp in the API response. Blank or "0" if you do not want it returned. |
| return-version | Numeric | N | Setting this to "1" will return the API version in the API response. Blank or "0" if you do not want it returned. |

Response Parameters

Our system can return two possible responses depending on the type of recharge performed: Pin-Less or Pin-Based.

4.4.1 PIN Less Versus PIN Based Operators

Most receiving operators (or carriers) are PIN less (direct top-up), meaning that the mobile phone of the recipient is recharged in real time. A few operators are however PIN based (mostly in the USA and UK). For these PIN based operators, a PIN code is sent by SMS to the recipient, who then has to manually complete the recharge process (usually by calling an IVR to redeem the PIN).

The responses of the [topup](#) method are slightly different depending on the type of the operator: some additional fields are returned in case of PIN based operator (**IVR number**, **PIN code**, **instructions on how to redeem it**, **expiration date**...).

Example of PIN based answer:

1 Enter Number 2 Choose Product 3 Review & Send **4 Transaction Details**

Transaction Details

Status: Transaction successful

Number: 15105987461

Operator: Red P 1 (XXX) XXX-XXXX

Date: Wed Nov 20 2013 4:19:02 PM

Transaction ID: 159573786

Pin info 1: For instant refill, enter the 15 Digits Refill code on your handset and press CALL. Your account will be refilled automatically.

Pin info 2: Go to www.redpocketmobile.com and select "Refill". Enter the Refill code along with your Red Pocket Mobile number.

Pin value: 19.99

Pin code: 897053978431728

Pin IVR: 1-888-993-3888

Pin Serial: 894000391912

Pin Validity: N.A.

Product: 19.99 USD

Value sent: 20 USD (before taxes)

4.4.2 PIN Less

Response Parameters

| Name | Type | Description |
|--------------------|---------------------|--|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| country | Alphanumeric String | Country of the destination operator. |
| countryid | Integer | Unique ID of the destination country. |
| operator | Alphanumeric String | Destination operator name. |
| operatorid | Integer | Destination operator ID returned only if forced by client, else blank. |
| destination_msisdn | Numeric String | Destination MSISDN (usually recipient phone number). |

| Name | Type | Description |
|----------------------|---------------------|---|
| destination_currency | Alphanumeric String | Currency of the destination country. |
| local_info_currency | Alphanumeric String | Currency of the destination country. |
| promotion | Alphanumeric String | Promotion details. Returned only when requested with return_promo field. |
| promo_start | Date | Promotion start date (e.g “yyyy-mm-dd hh:mm:ss+offset”). |
| promo_end | Date | Promotion end date (e.g “2013-12-01 13:05:55+00”). |
| msisdn | Alphanumeric String | The international phone number or name of the user (sender) requesting to credit a phone number. |
| originating_currency | Alphanumeric String | Currency of the account from which the transaction is requested. |
| product_requested | Float | Value of the product defined in “product” field of the topup request. |
| actual_product_sent | Float | Returns the value requested to the operator (equals to product_requested in case of successful transaction). It equals to 0 when Top-up failed. |
| sms_sent | Alphanumeric String | Recipient SMS Defines the status of the notification SMS sent to the recipient. Returns “yes” only if the SMS has been successfully sent. |
| sms | Alphanumeric String | Recipient SMS Returns the custom message appended to the default notification SMS sent to the recipient. |
| sender_sms | Alphanumeric String | Sender SMS Defines the status of the notification SMS sent to the sender. Returns “yes” only if the SMS has been successfully sent. |
| sender_text | Alphanumeric String | Sender SMS Returns the custom message appended to the default notification SMS sent to the sender. |
| wholesale_price | Numeric | Returns the cost of the product defined in “product” field of the request. This cost is set in the account’s currency. |

| Name | Type | Description |
|--------------------|---------------------|---|
| service_fee | Numeric | Returns the service fee of the product as configured in the account. |
| retail_price | Numeric | Returns the retail price of the product as configured in the account. |
| transactionid | Integer | ID of the transaction. |
| cid1 | Alphanumeric String | Value of the customized field cid1 sent in the Top-up request. |
| cid2 | Alphanumeric String | Value of the customized field cid2 sent in the Top-up request. |
| cid3 | Alphanumeric String | Value of the customized field cid3 sent in the Top-up request. |
| reference_operator | Alphanumeric String | Reference of the operator (returned only if available). |
| local_info_amount | Numeric | Final amount received by recipient (after taxes and operator fees). Indicative value only. |
| local_info_value | Numeric | Amount of the product (before taxes and service fees) in local currency. |
| return_timestamp | Date | Timestamp recorded for this transaction (e.g "2013- 03-18 00:00:00"). |
| return_version | Numeric | Version of this API. |
| balance | Numeric | For main account: returns the account's remaining balance. For sub-account: returns the account's remaining limit balance of the day if a daily limit is fixed. Else, returns the account remaining balance. |

Sample Request

```
<xml>
<login>test</login>
<key>1326963417</key>
<md5>md5</md5>
<msisdn>69999999999</msisdn>
<sms>Happy birthday !</sms>
<destination_msisdn>+60172860300</destination_msisdn>
> <product>10</product> <cid1>My Text</cid1>
<sender_sms>yes</sender_sms>
<sender_text></sender_text>
<delivered_amount_info>1</delivered_amount_info>
<return_timestamp>1</return_timestamp>
<return_version>1</return_version>
<return_service_fee>1</return_service_fee>
<action>topup</action> </xml>
```

Sample Response

```
<TransferTo>
<transactionid>77748538</transactionid>
<msisdn>69999999999</msisdn>
<destination_msisdn>60172860300</destination_msisdn> <country>Malaysia</country>
<countryid>799</countryid> <operator>Maxis Malaysia</operator>
<reference_operator></reference_operator>
<operatorid></operatorid>
<originating_currency>USD</originating_currency>
<destination_currency>MYR</destination_currency>
<product_requested>10</product_requested>
<actual_product_sent>10</actual_product_sent>
<wholesale_price>3.39</wholesale_price>
<service_fee>0.00</service_fee>
<retail_price>4.30</retail_price>
<balance>8.1</balance> <sms_sent>yes</sms_sent>
<sms>Happy birthday </sms>
<sender_sms>yes</sender_sms>
<sender_text></sender_text> <cid1> My Text
</cid1>
<cid2></cid2>
<cid3></cid3>
<authentication_key>1326963417</authentication_key>
<error_code>0</error_code> <error_txt>Transaction
successful</error_txt>
<local_info_value>10.00</local_info_value>
<local_info_amount>10.00</local_info_amount>
<local_info_currency>MYR</local_info_currency>
<return_timestamp>2013-03-18 00:00:01</return_timestamp>
<return_version>1.06.08</return_version>
</TransferTo>
```

4.4.3 PIN Based

Response Parameters (**additional parameters** applicable to PIN Based only)

| Name | Type | Description |
|--------------|---------------------|--|
| pin_based | String | Returns “Yes” if PIN-based transactions. Else “No”. |
| pin_validity | String | Validity of the PIN. |
| pin_code | Alphanumeric String | Code of the PIN. |
| pin_ivr | Integer | IVR number of the PIN. |
| pin_serial | Alphanumeric String | Serial number of the PIN. |
| pin_value | Integer | Value of the PIN. |
| pin_option_1 | String | Additional information. For example, it can describe how to use the PIN directly from handset (by entering a dedicated USSD code). |
| pin_option_2 | String | Additional information. For example, it can provide the operator refill website. |
| pin_option_3 | String | Additional information. For example, it can provide the operator refill call center. |

Sample Request

```
<xml>
<login>test</login>
<key>1326964272</key>
<md5>md5</md5>
<msisdn>6999999999</msisdn>
<sms>Test credit from TransferTo</sms>
<destination_msisdn>00009779742045269</destination_msisdn>
<product>200</product>
<delivered_amount_info>1</delivered_amount_info>
<action>Top-up</action>
</xml>
```

Sample Response 1/2

```
<TransferTo>
<transactionid>77749654</transactionid>
<msisdn>69999999999</msisdn>
<destination_msisdn>9779742045269</destination_msisdn>
<country>Nepal</country>
<countryid>819</countryid>
<operator>NTC CDMA Nepal</operator>
<reference_operator></reference_operator>
<operatorid></operatorid>
<originating_currency>USD</originating_currency>
<destination_currency>NPR</destination_currency>
<product_requested>200</product_requested>
<actual_product_sent>200</actual_product_sent>
<wholesale_price>2.58</wholesale_price>
<service_fee>0.00</service_fee>
<retail_price>3.30</retail_price>
<balance>5.52</balance>
<sms_sent>yes</sms_sent>
<sms>Test credit from TransferTo</sms>
<cid1></cid1>
<cid2></cid2>
<cid3></cid3>
```

```
<pin_based>yes</pin_based>
<pin_option_1>To recharge your mobile, dial 1415 from your own Pre-Paid mo-
bile phone and follow the instructions.</pin_option_1>
<pin_option_2>SkyPhone</pin_option_2>
<pin_option_3></pin_option_3>
<pin_value>200</pin_value>
<pin_code>12345678901234</pin_code>
<pin_ivr>1415</pin_ivr>
<pin_serial>123456789123456789</pin_serial>
<pin_validity>30 Days</pin_validity>
```

1 Enter Number 2 Choose Product 3 Review & Send 4 Transaction Details

Transaction Details

| | |
|-----------------|---|
| Status: | Transaction successful |
| Number: | 9779742045269 |
| Operator: | NTC CDMA Nepal |
| Date: | Fri Apr 25 2014 12:45:08 PM |
| Transaction ID: | 77749654 |
| PIN Info 1: | To recharge your mobile, dial 1415 from your own Pre-Paid mobile phone and follow the instructions. |
| PIN Info 2: | SkyPhone |
| PIN Value: | 200 |

Sample Response 2/2

```
...
<service_fee>0.00</service_fee>
<retail_price>3.30</retail_price>
...
<authentication_key>1326964272</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
<local_info_value>200.00</local_info_value>
<local_info_amount>200.00</local_info_amount>
<local_info_currency>NPR</local_info_currency>
</TransferTo>
```

1 Enter Number 2 Choose Product 3 Review & Send 4 Transaction Details

Transaction Details

Status: Transaction successful
Number: 9779742045269
Operator: NTC CDMA Nepal
Date: Fri Apr 25 2014 12:45:08 PM
Transaction ID: 77749654
PIN Info 1: To recharge your mobile, dial 1415 from your own Pre-Paid mobile phone and follow the instructions.
PIN Info 2: SkyPhone
PIN Value: 200
PIN Code: 1234 5678 9012 34
PIN IVR: 1415
PIN Serial: 123 456 789 123 456 789
PIN Validity: 30 Days
Value sent: 200 NPR (before taxes)
Value received*: 200 NPR (after taxes + operator fees)
Transaction Fee: 0.00 USD
Amount paid: 3.30 USD includes a service fee of 0.00

* Estimate only. Actual amount received by recipient may differ from displayed amount.

4.4.4 Check if a MSISDN is subjected to a promotion

Both `msisdn_info` and `topup` methods allow to return the promotion related to a given phone number of destination. Hereafter is an example with `return_promo` field requested (equals to 1) and subsequent responses (promotion detail, start and end dates).

Sample Request

```
<xml>
<login>test</login>
<key>1326963417</key>
<md5>md5</md5>
<msisdn>6999999999</msisdn>
<sms>Happy birthday !</sms>
<destination_msisdn>+60172860300</destination_msisdn>
<product>10</product>
<cid1>My Text</cid1>
<sender_sms>yes</sender_sms>
<sender_text></sender_text>
<delivered_amount_info>1</delivered_amount_info>
<return_promo>1</return_promo>
<return_timestamp>1</return_timestamp>
<return_version>1</return_version>
<return_service_fee>1</return_service_fee>
<action>topup</action>
</xml>
```

Sample Response

```
<TransferTo>
<transactionid>77748538</transactionid>
<msisdn>69999999999</msisdn>
<destination_msisdn>60172860300</destination_msisdn>
<country>Malaysia</country>
<countryid>799</countryid>
<operator>Maxis Malaysia</operator>
<reference_operator></reference_operator>
<operatorid></operatorid>
<originating_currency>USD</originating_currency>
<destination_currency>MYR</destination_currency>
<product_requested>10</product_requested>
<actual_product_sent>10</actual_product_sent>
<wholesale_price>3.39</wholesale_price>
<service_fee>0.00</service_fee>
<retail_price>4.30</retail_price>
<balance>8.1</balance>
<sms_sent>yes</sms_sent>
<sms>Happy birthday </sms>
<sender_sms>yes</sender_sms>
<sender_text></sender_text>
<cid1> My Text </cid1>
<cid2></cid2>
<cid3></cid3>
<authentication_key>1326963417</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
<local_info_value>10.00</local_info_value>
<local_info_amount>10.00</local_info_amount>
<local_info_currency>MYR</local_info_currency>
<return_timestamp>2013-03-18 00:00:01</return_timestamp>
<return_version>1.06.08</return_version>
<promotion>Promotion: Quadruple (4x) Balance<br/>Operator: Claro<br/>Country: Nicaragua<br/>Denominations (USD): 5 and above<br/>Date: December 16th, 2013 to December 19th,2013 at 11:59 pm (-6 GMT)<br/><br/>Terms and Conditions:<br/>- Claro network calls<br/>- Call international destinations<br/>- Calling other operators according to the user profile<br/>- For refills $5 to $11 your bonus will expire in 30 days<br/>- For refills $12 and above your bonus will expire in 45 days<br/><br/>Exceptions promotional balance (not to be used)<br/>- Send Text Messages<br/>- Calling other operators according to the user profile<br/>- Internet Browsing</promotion>
<promo_start>2013-12-15 16:00:00+00</promo_start>
<promo_end>2015-12-31 15:59:00+00</promo_end>
</TransferTo>
```


5.0 Advanced values across borders

As described in previous chapter, (Topup System) API main purpose is to allow customers to perform airtime recharges. However, (Topup System) API is also designed to offer other recharge solutions such as Electricity in Indonesia (as known as PLN) and DTH television in India and Philippines.

This chapter describes the main methods of (Topup System) API for each specific product:

- Perform a [msisdn_info](#) query to retrieve the available recharge amounts
- Use the [topup](#) method to complete the recharge

Moreover, it provides you with the different kind of responses (PIN Based / PIN Less) returned by the API and based upon the type of service.

5.1 Prepaid Electricity

5.1.1 PLN Indonesia: PIN Based

Description

A PLN product is a prepaid electricity voucher expressed in the form of a 20 digits PIN.

As the top-up solution, (Topup System) provides solutions enabling migrants to conveniently recharge the PLN account to their loved ones in Indonesia.

Pre-conditions

In order to generate the PIN and ensure that it is sent to the right person, you must provide the following parameters:

- 1. Recipient's PLN prepaid meter number (11 digits)**

Note: The recipient of the PIN must have a prepaid electricity account with PLN, a leading utility company in Indonesia.

- 2. Recipient's phone number**

Note: Once generated, the PIN is sent to the recipient via SMS. Then, the PIN must be entered by the recipient into their prepaid electricity meter to recharge their meter value.

| | |
|---------------|--------------------|
| Method | msisdn_info |
|---------------|--------------------|

Sample query

```
<xml>
<login>your_login</login>
<key>1326965217</key>
<md5>md5</md5>
<destination_msisdn>14032918279_628123456770</destination_msisdn>
<operatorid>1671</operatorid>
<action>msisdn_info</action>
</xml>
```

Response parameters are similar to the ones described in chapter 0.

List of available PLN products is returned in the parameter named [product_list](#).

| | |
|---------------|--------------|
| Method | topup |
|---------------|--------------|

Sample query

```
<xml>
<login>your_login</login>
<key>1326965217</key>
<md5>md5</md5>
<destination_msisdn>14032918279_628123456770</destination_msisdn>
<operatorid>1671</operatorid>
<msisdn>sender number</msisdn>
<product>10000</product>
<action>topup</action>
</xml>
```

In both methods you must fill the [destination_msisdn](#) parameter with:

1. Recipient's PLN prepaid meter number (e.g **14032918279**)
2. Recipient's phone number (e.g **628123456770**)

Response parameters are similar to the ones described in chapter 0.

The final PIN is returned in the parameter named [pin_code](#). This PIN is also sent to the recipient phone number that you can find in response parameter named [destination_msisdn](#).

5.2 International Calling Service – PINLESS/PINFREE

The International Calling Service Pinless allows users to make international calls without the attachments to any phone provider. Simple register your phone number to any of the providers and enjoy international phone service at much better rates than regular phone operators.

5.2.1 DollarPhone PINLESS

DollarPhonePinless is a high-quality prepaid international calling service you can use with any phone. There are no hidden fees, no contracts, and it works automatically with your current phone service.

Pre-conditions

In order to create a new account or reload a current one, you must provide the following parameters:

1. Valid USA Phone number.

Note: If there is a new account, account will be created automatically and the account recipient will receive and SMS with the access information to make international calls.

If there is a current account, the topup will be credited and the customer will be notified of the recharge.

2. Operator ID (2010)

Note: Operator needs to be forced in order to use this service via API.

Method `msisdn_info`

Sample query

REQUEST:

```
<xml>
<login>your_login</login>
<key>1326965217</key>
<md5>md5</md5>
<destination_msisdn>13057893399</destination_msisdn>
<operatorid>2010</operatorid>
<action>msisdn_info</action>
</xml>
```

RESPONSE <TransferTo>

```
<country>United
States</country>
<countryid>899</countryid>
<operator>DollarPhone PINLESS USA</operator>
<operatorid>2010</operatorid>
<connection_status>100</connection_status>
```

```
<destination_msisdn>13057893399</destination_msisdn>
<destination_currency>USD</destination_currency>
<product_list>1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30</product_list>
<retail_price_list>1.10,2.20,3.20,4.30,5.40,6.40,7.50,8.50,9.60,10.60,11.70,12.80,13.80,14.90,15.90,17.00,18.00,19.10,20.20,21.20,22.30,23.30,24.40,25.50,26.50,27.60,28.60,29.70,30.80,31.80</retail_price_list>
<wholesale_price_list>0.85,1.70,2.55,3.39,4.24,5.09,5.93,6.78,7.63,8.47,9.32,10.17,11.01,11.86,12.71,13.56,14.40,15.25,16.10,16.94,17.79,18.64,19.48,20.33,21.18,22.02,22.87,23.72,24.57,25.41</wholesale_price_list>
<authentication_key>1420579037</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

Response parameters are similar to the ones described in chapter 0.

List of available International calling service PINLESS products is returned in the parameter named [product_list](#).

| Method | topup |
|--------|-----------------------|
|--------|-----------------------|

Sample query

Request:

```
<xml>
<login>your_login</login>
<key>1420579279</key>
<md5>83c9c262adfee072edb44500f63f1b80</md5>
<msisdn>13057893399</msisdn>
<destination_msisdn>13057893399</destination_msisdn>
<product>1</product>
<sms></sms>
<operatorid>2010</operatorid>
<action>topup</action>
</xml>
```

Response:

```
<TransferTo>
<transactionid>224133539123</transactionid>
<msisdn>13057893399</msisdn>
<destination_msisdn>13057893399</destination_msisdn>
<country>United States</country>
<countryid>899</countryid>
<operator>DollarPhone PINLESS USA</operator>
<reference_operator>13602009</reference_operator>
```

```
<operatorid>2010</operatorid>
<originating_currency>SGD</originating_currency>
<destination_currency>USD</destination_currency>
<product_requested>1</product_requested>
<actual_product_sent>1</actual_product_sent>
<wholesale_price>0.85</wholesale_price>
<retail_price>1.10</retail_price>
<sms_sent>yes</sms_sent>
<sms></sms> <cid1></cid1>
<cid2></cid2>
<cid3></cid3>
<local_info_value>1.00</local_info_value>
<local_info_amount>1.00</local_info_amount>
<local_info_currency>USD</local_info_currency>
<authentication_key>1420580221</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

In both methods you must fill the [destination_msisdn](#) parameter with:

1. Recipient's International Calling service primary account phone number (e.g **13057893399**)
2. Operatorid (**2010**)

Response parameters are similar to the ones described in chapter 0

SMS Notifications from DollarPhone

New Account:

[← Messages](#) +1 (813) 413-4727 [Details](#)

Text Message
Today 4:21 PM

Welcome DollarPhonePinless!
To login visit: <http://www.dollarphonepinless.com>
. To make calls dial: [\(305\) 434-4312](tel:(305) 434-4312).

Topup Account:

[← Messages](#) +1 (408) 713-1460 [Details](#)

Text Message
Today 4:21 PM

DollarPhonePinless: \$2.00
has been added to your
account. Dial [\(305\) 434-4312](tel:(305) 434-4312)
to place a call. Customer
Service [\(888\) 903-9047](tel:(888) 903-9047)

5.3 Prepaid bundles

Prepaid bundles are a mixture of calls, data, SMS and social media access which the users can purchase other than airtime credits.

Pre-conditions

To do a recharge, you must provide the following parameters:

1. Recipient's phone number
2. Operator ID

Note: Operator ID needs to be forced in order to use this service via API.

List of operators offering prepaid bundles - Operator ID

Claro Costa Rica Bundles USD - 2685
Claro El Salvador Bundles USD - 2686
Claro Guatemala Bundles USD - 2687
Claro Honduras Bundles USD - 2688
Claro Nicaragua Bundles USD - 2689
Paqueton Tigo Guatemala USD - 1969
Telcel Bundle Mexico - 2446

Method `msisdn_info`

Sample query

REQUEST:

```
<xml>
<login>your_login</login>
<key>1326965217</key>
<md5>md5</md5>
<destination_msisdn>521122334455</destination_msisdn>
<operatorid>2446</operatorid>
<action>msisdn_info</action>
</xml>
```

RESPONSE

```
<TransferTo>
<country>Mexico</country>
<countryid>808</countryid>
<operator>Telcel Bundle Mexico</operator>
<operatorid>2446</operatorid>
<connection_status>100</connection_status>
<destination_msisdn>521122334455</destination_msisdn>
<destination_currency>MXN</destination_currency>
```

```
<product_list>30,50,100,150,200,300,500</product_list>
<retail_price_list>2.00,3.30,6.60,9.80,13.00,19.50,32.50</retail_price_list>
<wholesale_price_list>1.74,2.88,5.73,8.58,11.43,17.14,28.55</wholesale_price_list>
<authentication_key>1420579037</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

Response parameters are similar to the ones described in section 4.2.

List of available denominations is returned in the parameter named [product_list](#).

| Method | topup |
|--------|-----------------------|
|--------|-----------------------|

Sample query

Request:

```
<xml>
<login>your_login</login>
<key>1420579279</key>
<md5>83c9c262adfee072edb44500f63f1b80</md5>
<msisdn>12025550160</msisdn>
<destination_msisdn>521122334455</destination_msisdn>
<product>30</product>
<sms></sms>
<operatorid>2446</operatorid>
<action>topup</action>
</xml>
```

Response:

```
<TransferTo>
<transactionid>224133539123</transactionid>
<msisdn>12025550160</msisdn>
<destination_msisdn>521122334455</destination_msisdn>
<country>Mexico</country>
<countryid>808</countryid> <operator>Telcel Bundle Mexico</operator>
<reference_operator>13602009</reference_operator>
<operatorid>2446</operatorid>
<originating_currency>USD</originating_currency>
<destination_currency>MXN</destination_currency>
<product_requested>30</product_requested>
<actual_product_sent>30</actual_product_sent>
<wholesale_price>1.74</wholesale_price>
<retail_price>2.00</retail_price>
<sms_sent>yes</sms_sent> <sms></sms>
<cid1></cid1>
```



```
<cid2></cid2> <cid3></cid3>
<local_info_value>30.00</local_info_value>
<local_info_amount>30.00</local_info_amount>
<local_info_currency>MXN</local_info_currency>
<authentication_key>1420580221</authentication_key>
> <error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

In both methods you must fill the `destination_msisdn` parameter with:

1. Recipient's Telcel mobile number (e.g **521122334455**)
2. Operatorid (**2446**)

Response parameters are similar to the ones described in section 4.4.2.

5.4 Credits

5.4.1 Viber Out Credits

Viber Out is a service that allows Viber users to call any phone number at low rates. Calls can be made to land lines and mobiles, even if they do not have the Viber Application installed.

Pre-conditions

To do a recharge, you must provide the following parameters:

1. Recipient's phone number
2. Operator ID

Note: Operator needs to be forced in order to use this service via API.

List of Viber Operator ID

Viber EUR Belgium - 2680
Viber EUR France - 2678
Viber USD Georgia - 2721
Viber USD India - 2717
Viber EUR Italy - 2711 Viber
USD Qatar - 2720 Viber EUR
Luxembourg - 2681
Viber USD Myanmar - 2719
Viber EUR Netherlands - 2682
Viber USD Philippines - 2718
Viber USD Singapore - 2716
Viber EUR Spain - 2679
Viber USD USA - 2675

| | |
|--------|-----------------------------|
| Method | msisdn_info |
|--------|-----------------------------|

Sample query

REQUEST:

```
<xml>
<login>your_login</login>
<key>1326965217</key>
<md5>md5</md5>
<destination_msisdn>151234567890</destination_msisdn>
<operatorid>2675</operatorid>
<action>msisdn_info</action>
</xml>
```

RESPONSE

```
<TransferTo>
<country>United States</country>
<countryid>899</countryid>
<operator>Viber USD</operator>
<operatorid>2675</operatorid>
<connection_status>100</connection_status>
<destination_msisdn>151234567890</destination_msisdn>
<destination_currency>USD</destination_currency>
<product_list>1,5,10,20</product_list>
<retail_price_list>1.00,5.00,10.00,20.00</retail_price_list>
<wholesale_price_list>0.90, 4.50,9.00,18.00</wholesale_price_list>
<authentication_key>1420579037</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

Response parameters are similar to the ones described in section 4.2.

List of available denominations is returned in the parameter named [product_list](#).

| | |
|--------|-----------------------|
| Method | topup |
|--------|-----------------------|

Sample query

Request:

```
<xml>
<login>your_login</login> <key>1420579279</key>
<md5>83c9c262adfee072edb44500f63f1b80</md5>
<msisdn>12025550160</msisdn>
<destination_msisdn>151234567890</destination_msisdn>
<product>10</product> <sms></sms>
```

```
<operatorid>2675</operatorid>  
<action>topup</action> </xml>
```

Response:

```
<TransferTo>  
<transactionid>224133539123</transactionid>  
<msisdn>12025550160</msisdn>  
<destination_msisdn>151234567890</destination_msisdn>  
<country>United States</country>  
<countryid>899</countryid>  
<operator>Viber USD</operator>  
<reference_operator>13602009</reference_operator>  
<operatorid>2675</operatorid>  
<originating_currency>USD</originating_currency>  
<destination_currency>USD</destination_currency>  
<product_requested>10</product_requested>  
<actual_product_sent>10</actual_product_sent>  
<wholesale_price>9.00</wholesale_price>  
<retail_price>10.00</retail_price>  
<sms_sent>yes</sms_sent>  
<sms></sms> <cid1></cid1>  
<cid2></cid2>  
<cid3></cid3>  
<local_info_value>10.00</local_info_value>  
<local_info_amount>10.00</local_info_amount>  
<local_info_currency>USD</local_info_currency>  
<authentication_key>1420580221</authentication_key>  
<error_code>0</error_code>  
<error_txt>Transaction successful</error_txt>  
</TransferTo>
```

In both methods you must fill the [destination_msisdn](#) parameter with:

1. Recipient's mobile number linked to his/her Viber's account (e.g **151234567890**)
2. Operatorid (**2675**)

Response parameters are similar to the ones described in section 4.4.2.

6.0 Tests: Simulate Top-up and Error codes

This section is designed for developers who want to test their account credentials, simulate a Top-up, simulate different error codes returned by the API, or monitor the connection to the API.

6.1 Check account credentials

Method `ping`

Allows to check account credentials or to monitor the connection to the API.

Request Parameters

| Name | T y p e | Required (Yes/No) | Description |
|--------|---------------------|-------------------|--|
| login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "ping" |

Response Parameters

| Name | Type | Description |
|--------------------|---------------------|--|
| info_txt | Integer | Contains "pong" if the transaction is successful. |
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |

Sample Request

```
<xml>
<login>test</login>
<key>1327027869</key>
<md5>md5</md5>
<action>ping</action>
</xml>
```

Sample Response

```
<TransferTo>
<info_txt>pong</info_txt>
<authentication_key>1327027869</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

6.2 Monitor connection to the API

Monitoring the connection to the API can be done easily thanks to the [ping](#) method (as described in previous chapter).

6.3 Simulate a Top-up

| Method | simulation |
|--------|----------------------------|
|--------|----------------------------|

The method [simulation](#) takes the same parameters as [topup](#) method. It does not perform a real Top-up to the destination number.

This action will test if the destination number is in (Topup System) numbering plan, and if the product specified is valid.

- It DOES NOT verify if the destination number has expired for instance as the request is not submitted to the operator. Thus, a simulation can be successful, while a real top-up (request sent to the operator to perform both debit and Top-up) can fail.
- For PIN Based products, API will respond basics information (PIN Less like). All parameters related to PIN information will not be provided in the response.

Note that this action will provide you with some information (products available in your account) but is not part of the Top-up cycle. You should perform Top-up without making any simulations before.

6.4 Simulate error codes

A few fake phone numbers in Indonesia have been created and set up with available products of IDR 5000, 10000, 20000, 50000 and 100000:

628123456710: error code 0 for PIN based Top-up (successful transaction).

628123456770: error code 0 for PIN less Top-up (successful transaction).

628123456780: error code 204 (destination number is not a valid prepaid phone number). **628123456781:** error code 301 (input value out of range or invalid product). **628123456790:** error code 214 (transaction refused by the operator).

628123456798: error code 998 (system not available, please retry later).

628123456799: error code 999 (unknown error, please contact support).

(Topup System) highly recommend to perform one [topup](#) query by phone number listed above, in order to ensure the good comprehension of [topup](#) responses and to develop a robust error management system.

7.0 Account: Balance, Offer and Pricelist Query

This section describes how to retrieve information on your account as the following:

- Remaining balance of your master account and sub-accounts
- Daily limit of a sub-account
- List of countries offered to your account
- List of operators offered by country
- List of denomination, including wholesale and retail prices, offered to your account

7.1 Check account balance

Purpose

The screenshot shows a user interface for checking account balance. At the top left, a box displays 'Balance: USD 5.99' and an 'Add Credit' button. At the top right, there are 'demo' and 'Logout' links. Below this is a table with columns: 'Login Name', 'Balance', and 'Manage Funds or Daily Limit[?]'. The table lists four accounts: 'democ' (Shared balance, 1 (1) limit), 'demob' (2.00 balance, Add or Withdraw button), 'demo (Master Account)' (5.99 balance, Add or Withdraw button), and 'demoa' (2.00 balance, Add or Withdraw button). Annotations with arrows point to specific elements: a blue arrow points to the 'democ' row with the text 'Retrieve sub-account balance and Daily limit'; a red arrow points to the 'demo (Master Account)' row with the text 'Retrieve master account balance'; and a red arrow points to the 'Balance' column header with the text 'Retrieve total balance (sum of master and sub accounts)'.

| Login Name | Balance | Manage Funds or Daily Limit[?] |
|-----------------------|---------|--------------------------------|
| democ | Shared | 1 (1) |
| demob | 2.00 | Add or Withdraw |
| demo (Master Account) | 5.99 | Add or Withdraw |
| demoa | 2.00 | Add or Withdraw |

Method `check_wallet`

Returns the balance in your (Topup System) account.

This method shall not be used more than 24 times per day.

If you just need to monitor the connection to the API, (Topup System) highly recommend to use the [ping method](#) (refer to 6.1).

Please note that a low balance alert is automatically sent to the email configured in your account when the minimum threshold is reached.

Request Parameters

| Name | Type | Required (Yes/No) | Description |
|--------|---------------------|-------------------|--|
| login | Alphanumeric String | Y | Account login name provided by Transfer-To. |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "check_wallet" |

Response Parameters

| Name | Type | Description |
|--------------------|---------------------|--|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| type | Alphanumeric String | Account type: "Master" (main account) or "Retailer" (sub-account) |
| name | Alphanumeric String | Account login name. |
| currency | Alphanumeric String | Account currency (USD, GBP, EUR, etc...). |
| balance | Numeric | For main account: returns the account's remaining balance. For sub-account: returns the account's remaining limit balance of the day if a daily limit is fixed. Else, returns the account remaining balance. |

| Name | Type | Description |
|--------|---------|--|
| wallet | Numeric | <p>For main account: returns the total remaining balance (sum of all sub-accounts and current master).</p> <p>For sub-account:</p> <ol style="list-style-type: none">If balance is shared and daily limit is fixed: returns the fixed daily limit amountIf balance is shared but daily limit is not fixed: returns "No Limit"Else if balance is not shared: returns the remaining balance |

Sample 1 – Master account

The screenshot shows a web interface with a top navigation bar. On the left, it displays 'Balance: USD 5.99' and an 'Add Credit' button. On the right, there are links for 'demo' and 'Logout'. Below the navigation bar is a table with three columns: 'Login Name', 'Balance', and 'Manage Funds or Daily Limit[?]'. The table lists four accounts: 'democ' (Shared, 1 (1)), 'demob' (2.00), 'demo (Master Account)' (5.99), and 'demoa' (2.00). Each account has an 'Add or Withdraw' button. Red annotations highlight specific elements: a box around 'Balance: USD 5.99' with an arrow pointing to it from the text 'Retrieve total balance (sum of master and sub accounts)'; a box around the 'demo (Master Account)' row with an arrow pointing to it from the text 'Retrieve master account balance'; and a box around the 'demoa' row with an arrow pointing to it from the text 'Retrieve total balance (sum of master and sub accounts)'.

| Login Name | Balance | Manage Funds or Daily Limit[?] |
|-----------------------|---------|---|
| democ | Shared | 1 (1) |
| demob | 2.00 | <input type="text"/> Add or Withdraw |
| demo (Master Account) | 5.99 | <input type="text"/> Add or Withdraw |
| demoa | 2.00 | <input type="text"/> Add or Withdraw |

Retrieve master account balance


Retrieve total balance (sum of master and sub accounts)


Request

```
<xml>
<login>demo</login>
<key>1326958538</key>
<md5>your MD5 here</md5>
<action>check_wallet</action>
</xml>
```

Response

```
<TransferTo>
  <type>Master</type>
  <name>demo</name>
  <currency>USD</currency>
  <balance>5.99</balance>
  <wallet>9.99</wallet>
  <authentication_key>1326958538</authentication_key>
  <error_code>0</error_code>
  <error_txt>Transaction
successful</error_txt> </TransferTo>
```

 *Current balance of master account.*

 *Total balance of master and sub-accounts.*

Sample 2 – Sub-Account – Shared Balance – Daily Limit Fixed to 1

| Login Name | Balance | Manage Funds or Daily Limit[?] |
|-----------------------|---------|--------------------------------------|
| democ | Shared | 1 (1) |
| demob | 2.00 | <input type="text"/> Add or Withdraw |
| demo (Master Account) | 5.99 | |
| demoa | 2.00 | <input type="text"/> Add or Withdraw |

Retrieve *sub-account balance* and *Daily limit*

Request

```
<xml>
<login>democ</login>
<key>1326958538</key>
<md5>your MD5 here</md5>
<action>check_wallet</action>
</xml>
```

Response

```
<TransferTo>
<type>Retailer</type>
<name>democ</name>
<currency>USD</currency>
<balance>1.00</balance>
<wallet>1.00</wallet>
<authentication_key>1326958689</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

Sample 3 – *Sub-Account – Shared Balance – No Daily Limit*

Request

```
<xml>
<login>testing1</login>
<key>1326958538</key>
<md5>your MD5 here</md5>
<action>check_wallet</action>
</xml>
```

Response

```
<TransferTo>
<type>Retailer</type>
<name>testing1</name>
<currency>USD</currency>
<balance>1.00</balance>
<wallet>No Limit</wallet>
<authentication_key>1326958689</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

Sample 4 – Sub-Account – No Shared Balance

| Login Name | Balance | Manage Funds or Daily Limit[?] |
|-----------------------|---------|---|
| democ | Shared | 1 (1) |
| demob | 2.00 | <input type="text"/> Add or Withdraw |
| demo (Master Account) | 5.99 | |
| demoa | 2.00 | <input type="text"/> Add or Withdraw |

Balance of sub-account (points to 2.00 in demoa row)

Daily Limit Not Applicable (points to Add or Withdraw button in demoa row)

Request

```
<xml>
<login>demoa</login>
<key>1326958538</key>
<md5>your MD5 here</md5>
<action>check_wallet</action>
</xml>
```

Response

```
<TransferTo><type>Retailer</type>
<name>demoa</name>
<currency>USD</currency>
<balance>2.00</balance>
<wallet>2.00</wallet>

<authentication_key>1326958689</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

Current balance of sub-account (points to <balance>2.00</balance> and <wallet>2.00</wallet>)

7.2 Get the list of countries offered to my account

Purpose Get the following list

Select a destination:

Afghanistan - Albania - Anguilla - Antigua and Barbuda - Argentina - Armenia - Aruba - Bangladesh - Barbados - Benin - Bolivia - Brazil - British Virgin Islands - Burkina Faso - Burundi - Cambodia - Cameroon - Cayman Islands - Central African Republic - Chile - China - Colombia - Congo - Costa Rica - Cuba - Cyprus - Democratic Republic of the Congo - Dominica - Dominican Republic - Ecuador - Egypt - El Salvador - Fiji - France - Gambia - Ghana - Grenada - Guatemala - Guinea - Guinea Bissau - Guyana - Haiti - Honduras - India - Indonesia - Iraq - Ivory Coast - Jamaica - Jordan - Kazakhstan - Kenya - Laos - Liberia - Madagascar - Malaysia - Mali - Mexico - Moldova - Montserrat - Morocco - Mozambique - Nauru - Nepal - Nicaragua - Niger - Nigeria - Pakistan - Palestine - Panama - Papua New Guinea - Paraguay - Peru - Philippines - Poland - Puerto Rico - Romania - Russia - Rwanda - Samoa - Senegal - Sierra Leone - Singapore - Somalia - South Africa - Spain - Sri Lanka - St Kitts and Nevis - St Lucia - St Vincent Grenadines - Sudan - Suriname - Swaziland - Syria - Tanzania - Thailand - Togo - Tonga - Trinidad and Tobago - Tunisia - Turkey - Turks and Caicos - Uganda - Ukraine - United States - Uruguay - Vanuatu - Vietnam - Yemen - Zambia - Zimbabwe - all

Method **pricelist**

Returns the list of countries offered to your account when request is sent with “countries” in argument (see above).

Request Parameters

| Name | T y p e | Required (Yes/No) | Description |
|-----------|---------------------|-------------------|--|
| login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to “pricelist” |
| info_type | Alphanumeric String | Y | Must be set to “countries” to return the list of all countries offered to the account name defined in login parameter. |

Response Parameters

| Name | Type | Description |
|--------------------|---------------------|--|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| country | Alphanumeric String | List of countries offered. |
| countryid | Integer | List of respective unique ID of countries listed in parameter "country". |

Sample Request

```
<xml>
<login>your_login</login>
<key>1326965217</key>
<md5>md5</md5>
<info_type>countries</info_type>
> <action>pricelist</action>
</xml>
```

Sample Response

```
<TransferTo>
<country>Afghanistan,Albania,Anguilla,Antigua and Barbuda,Argentina,Armenia,Aruba</country>
<countryid>661,662,916,668,669,670,671</countryid>
<authentication_key>1337662098</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```






7.3 Get the list of operators for a given country

Purpose Send a country ID to get the list of operators offered in this destination

Select a destination:

[Afghanistan](#) - [Albania](#) - [Anguilla](#) - [Antigua and Barbuda](#) - [Argentina](#) - [Armenia](#) - [Aruba](#) - [Bangladesh](#) - [Barbados](#) - [Benin](#) - [Bolivia](#) - [Brazil](#) - [British Virgin Islands](#) - [Burkina Faso](#) - [Burundi](#) - [Cambodia](#) - [Cameroon](#) - [Cayman Islands](#) - [Central African Republic](#) - [Chile](#) - [China](#) - [Colombia](#) - [Congo](#) - [Costa Rica](#) - [Cuba](#) - [Cyprus](#) - [Democratic Republic of the Congo](#) - [Dominica](#) - [Dominican Republic](#) - [Ecuador](#) - [Egypt](#) - [El Salvador](#) - [Fiji](#) - [France](#) - [Gambia](#) - [Ghana](#) - [Grenada](#) - [Guatemala](#) - [Guinea](#) - [Guinea Bissau](#) - [Guyana](#) - [Haiti](#) - [Honduras](#) - [India](#) - [Indonesia](#) - [Iraq](#) - [Ivory Coast](#) - [Jamaica](#) - [Jordan](#) - [Kazakhstan](#) - [Kenya](#) - [Laos](#) - [Liberia](#) - [Madagascar](#) - [Malaysia](#) - [Mali](#) - [Mexico](#) - [Moldova](#) - [Montserrat](#) - [Morocco](#) - [Mozambique](#) - [Nauru](#) - [Nepal](#) - [Nicaragua](#) - [Niger](#) - [Nigeria](#) - [Pakistan](#) - [Palestine](#) - [Panama](#) - [Papua New Guinea](#) - [Paraguay](#) - [Peru](#) - [Philippines](#) - [Poland](#) - [Puerto Rico](#) - [Romania](#) - [Russia](#) - [Rwanda](#) - [Samoa](#) - [Senegal](#) - [Sierra Leone](#) - [Singapore](#) - [Somalia](#) - [South Africa](#) - [Spain](#) - [Sri Lanka](#) - [St Kitts and Nevis](#) - [St Lucia](#) - [St Vincent Grenadines](#) - [Sudan](#) - [Suriname](#) - [Swaziland](#) - [Syria](#) - [Tanzania](#) - [Thailand](#) - [Togo](#) - [Tonga](#) - [Trinidad and Tobago](#) - [Tunisia](#) - [Turkey](#) - [Turks and Caicos](#) - [Uganda](#) - [Ukraine](#) - [United States](#) - [Uruguay](#) - [Vanuatu](#) - [Vietnam](#) - [Yemen](#) - [Zambia](#) - [Zimbabwe](#) - [all](#)

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| Country | Operator | Denomination | Your Buying Price | Selling Price | Your Margin [?] | Transaction Fee [?] | Status | |
|-----------------|---|--------------------------------------|-------------------|---------------------------|-----------------|---------------------------|---------------------------|------|
| | | | | Reset all | | Reset all | Reset all | |
| Indonesia (+62) |  | AAA-TESTING Indonesia USD (1562) | USD 1 | USD 0.03 | USD 0.10 | 70.00 % | 0.00 | Live |
| | | | USD 2 | USD 0.03 | USD 0.10 | 70.00 % | 0.00 | Live |
| | | | USD 3 | USD 0.03 | USD 0.10 | 70.00 % | 0.00 | Live |
| | | | USD 5 | USD 0.03 | USD 0.10 | 70.00 % | 0.00 | Live |
| | | | USD 10 | USD 0.03 | USD 0.10 | 70.00 % | 0.00 | Live |
| Country | Operator | Denomination | Your Buying Price | Selling Price | Your Margin [?] | Transaction Fee [?] | Status | |
| | | | | Reset all | | Reset all | Reset all | |
| Indonesia (+62) |  | Axis Indonesia (1411) | IDR 5000 | USD 0.85 | USD 1.00 | 15.00 % | 0.00 | Live |
| | | | IDR 10000 | USD 1.28 | USD 1.50 | 14.67 % | 0.00 | Live |
| | | | IDR 25000 | USD 2.98 | USD 3.50 | 14.86 % | 0.00 | Live |
| | | | IDR 50000 | USD 5.53 | USD 6.50 | 14.92 % | 0.00 | Live |
| | | | IDR 100000 | USD 11.05 | USD 13.00 | 15.00 % | 0.00 | Live |
| Country | Operator | Denomination | Your Buying Price | Selling Price | Your Margin [?] | Transaction Fee [?] | Status | |
| | | | | Reset all | | Reset all | Reset all | |
| Indonesia (+62) |  | Ceria Indonesia (1839) | IDR 5000 | USD 0.60 | USD 0.70 | 14.29 % | 0.00 | Live |
| | | | IDR 10000 | USD 1.16 | USD 1.35 | 14.07 % | 0.00 | Live |
| | | | IDR 20000 | USD 2.27 | USD 2.66 | 14.66 % | 0.00 | Live |
| | | | IDR 50000 | USD 5.62 | USD 6.57 | 14.46 % | 0.00 | Live |
| | | | IDR 100000 | USD 11.19 | USD 13.10 | 14.58 % | 0.00 | Live |
| Country | Operator | Denomination | Your Buying Price | Selling Price | Your Margin [?] | Transaction Fee [?] | Status | |
| | | | | Reset all | | Reset all | Reset all | |
| Indonesia (+62) |  | Esia Bakrie Telecom Indonesia (1326) | IDR 5000 | USD 0.85 | USD 1.00 | 15.00 % | 0.00 | Live |
| | | | IDR 10000 | USD 1.28 | USD 1.50 | 14.67 % | 0.00 | |
| | | | IDR 25000 | USD 2.98 | USD 3.50 | 14.86 % | 0.00 | |
| | | | IDR 50000 | USD 5.53 | USD 6.50 | 14.92 % | 0.00 | |

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Method **pricelist**

Returns the list of operators offered to your account, for a specific country, when request is sent with "countryid" in argument (see above).

Request Parameters

| Name | T y p e | Required (Yes/No) | Description |
|-----------|------------------------|----------------------|---|
| login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "pricelist" |
| info_type | Alphanumeric String | Y | Must be set to "country" to return the list of operators available in the given country. |
| content | Integer | Y | This parameter is related to info_type: defines the countryid for which the operator list is requested. |

Response Parameters

| Name | Type | Description |
|--------------------|------------------------|--|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| country | Alphanumeric String | Country requested. |
| countryid | Integer | Unique ID of the requested country. |
| operator | Alphanumeric String | List of destination operators offered. |
| operatorid | Integer | List of respective unique operators ID of operator listed in parameter "operator". |

Sample Request

```
<xml>
<login>your_login</login>
<key>1326965217</key>
<md5>md5</md5>
<info_type>country</info_type>
<content>767</content>
<action>pricelist</action>
</xml>
```

Specify the country ID from which you request operator list.

Sample Response

```
<xml>
<country>Indonesia</country>
<countryid>767</countryid>
<operator>Indosat Starone Indonesia,Telkom Flexi Indonesia,Indosat IM3 Indonesia,AAA-TESTING Indone-
sia,Esia Bakrie Telecom Indonesia,Indosat Mentari Indonesia,Telkomsel Simpati Indonesia,Three Telecom
Indonesia,Telkomsel KartuAS Indonesia,Excelcom Indonesia,Axis Indonesia</operator>
<operatorid>1320,1322,1313,1310,1326,1312,1324,1327,1325,215,1411</operatorid>
<authentication_key>1337662386</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</xml>
```

7.4 Get the list of products for a given operator

Purpose Send an operator ID to get the list of denomination as well as **wholesale** and **retail** prices.

| Country | Operator | Denomination | Your Buying Price | Selling Price Reset all |
|-----------------|---|--------------|-------------------|--|
| Indonesia (+62) | Indosat IM3 Indonesia (1313)  | IDR 5000 | USD 0.85 | USD 1.00 |
| | | IDR 10000 | USD 1.28 | USD 1.50 |
| | | IDR 25000 | USD 2.98 | USD 3.50 |
| | | IDR 50000 | USD 5.53 | USD 6.50 |
| | | IDR 100000 | USD 11.05 | USD 13.00 |

Method [pricelist](#)

Returns the list of denomination including wholesale and retail prices offered to your account, for a specific operator, when request is sent with "operatorid" in argument (see above).

Request Parameters

| Name | T y p e | Required (Yes/No) | Description |
|-----------|---------------------|-------------------|---|
| login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "pricelist" |
| info_type | Alphanumeric String | Y | Must be set to "operator" to return the list of wholesale and retail prices available for the given operator. |
| content | Integer | Y | This parameter is related to info_type: defines the operatorid for which the prices lists are requested. |

Response Parameters

| Name | Type | Description |
|----------------------|---------------------|---|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| country | Alphanumeric String | Country of the requested operator. |
| countryid | Integer | Unique ID of the country. |
| operator | Alphanumeric String | Operator requested. |
| operatorid | Integer | Unique ID of the operator. |
| destination_currency | Alphanumeric String | Currency of the destination country. |
| product_list | String | Returns the list of all available products configured for the current account and the given operator. Products are separated by a comma. |
| retail_price_list | String | Returns the list of all final retail prices configured for the current account and the given operator. Prices are separated by a comma and in the currency of the current account. |
| wholesale_price_list | String | Returns the wholesale price (also known as Your Cost) list of all available products configured for the current account and the given operator. Prices are separated by a comma and in the currency of the current account. |

| Country | Operator | Denomination | Your Buying Price | Selling Price Reset all |
|-----------------|--|--------------|-------------------|--|
| Indonesia (+62) |  Indosat IM3 Indonesia (1313) | IDR 5000 | USD 0.85 | USD 1.00 |
| | | IDR 10000 | USD 1.28 | USD 1.50 |
| | | IDR 25000 | USD 2.98 | USD 3.50 |
| | | IDR 50000 | USD 5.53 | USD 6.50 |
| | | IDR 100000 | USD 11.05 | USD 13.00 |

Sample Request

```

<xml>
<login>your_login</login>
<key>1326965217</key>
<md5>md5</md5>
<info_type>operator</info_type>
> <content>1313</content>
<action>pricelist</action> </xml>

```



Specify the operator ID from which you request price list.

Sample Response

```

<xml>
<country>Indonesia</country> <countryid>767</countryid>
<operator>Indosat IM3 Indonesia</operator>
<operatorid>1313</operatorid>
<destination_currency>IDR</destination_currency>
<product_list>5000,10000,20000,25000,50000,100000</product_list>
<wholesale_price_list>0.85,1.28,2.98,5.53,11.05</wholesale_price_list>
<retail_price_list>1.00,1.50,3.50,6.50,13.00</retail_price_list>
<authentication_key>1337662386</authentication_key>
<error_code>0</error_code> <error_txt>Transaction
successful</error_txt>
</TransferTo>

```

8.0 Reports: Transaction Information Query

In this section, you will find the following information:

- How to retrieve information on a transaction from an ID
- How to retrieve a list of transaction performed during a given date range
- How to retrieve a transaction ID from the unique key used during the transaction query

8.1 Get information from a transaction ID

Purpose Get destination phone number, topup amount, retail price, etc.

| Trx ID | Date | User | Account | Operator | Dest No. | Amount | Status | Retail Price (USD) |
|-----------|--------------------|------|---------------------------|----------|--------------|--------|--------|--------------------|
| 188609730 | 11 Jun, 2014 17:36 | | AAA-TESTING Indonesia USD | | 628123456770 | USD 1 | 0 | 0.10 |

Method `trans_info`

Returns all available information on a specific transaction ID.

Please note that this method is useless if called just after **topup** request. First because it can take time to update database. Besides, the **topup** response provides the same information.

Request Parameters

| Name | Type | Required(Yes/No) | Description |
|---------------|---------------------|------------------|--|
| login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "trans_info" |
| transactionid | Integer | Y | ID of the transaction which requires information. |

Response Parameters

8.1.1 PIN Less

| Name | Type | Description |
|----------------------|---------------------|---|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| country | Alphanumeric String | Country of the destination operator. |
| countryid | Integer | Unique ID of the destination country. |
| operator | Alphanumeric String | Destination operator name. |
| operatorid | Integer | Destination operator ID returned only if forced by client, else blank. |
| destination_msisdn | Numeric String | Destination MSISDN (usually recipient phone number). |
| destination_currency | Alphanumeric String | Currency of the destination country. |
| msisdn | Alphanumeric String | The international phone number or name of the user (sender) requesting to credit a phone number. |
| originating_currency | Alphanumeric String | Currency of the account from which the transaction is requested. |
| product_requested | Float | Value of the product defined in "product" field of the topup request. |
| actual_product_sent | Float | Returns the value requested to the operator (equals to product_requested in case of successful transaction). It equals to 0 when Top-up failed. |
| sms | Alphanumeric String | Recipient SMS Returns the custom message appended to the default notification SMS sent to the recipient. |

| Name | Type | Description |
|--------------------------------|---------------------|--|
| wholesale_price | Numeric | Returns the cost of the product defined in “product” field of the request. This cost is set in the account’s currency. |
| retail_price | Numeric | Returns the retail price of the product as configured in the account. |
| cid1 | Alphanumeric String | Value of the customized field cid1 sent in the Top-up request. |
| cid2 | Alphanumeric String | Value of the customized field cid2 sent in the Top-up request. |
| cid3 | Alphanumeric String | Value of the customized field cid3 sent in the Top-up request. |
| reference_operator | Alphanumeric String | Reference of the operator (returned only if available). |
| transaction_error_code | Integer | Error code linked to the transaction ID specified in the request. |
| transaction_error_txt | Alphanumeric String | Description of the error linked to the transaction ID specified in the request. |
| transaction_authentication_key | Integer | Authentication key used during the transaction. |
| date | String | Date of the transaction (GMT). |

Sample Request

```
<xml>
<login>your_login</login>
<key>1326967613</key>
<md5>md5</md5>
<transactionid>188609730</transactionid>
> <action>trans_info</action> </xml>
```

Sample Response

| # | Trx ID | Date(UTC) | Tag | User | Sender | Dest No. | Operator | Amt | Status | cid1 | cid2 | cid3 | Retail Price | Wholesale Price | Fee |
|---|-----------|--------------------|-----|------|----------|--------------|------------------------------|------|--------|------|------|------|--------------|-----------------|------|
| 1 | 188609730 | 11Jun2014 17:36 | | | a friend | 628123456770 | AAA-TESTING Indonesia USD | 1.00 | 0 | | | | 0.00 | 0.03 | 0.00 |

```
<TransferTo>
<transactionid>188609730</transactionid> <msisdn>6999999999</msisdn>
<destination_msisdn>628123456770</destination_msisdn>

<transaction_authentication_key>1326963417</transaction_authentication_key>
<transaction_error_code>0</transaction_error_code> <transaction_error_txt>Transaction
successful</transaction_error_txt> <country>Indonesia</country>
<countryid>767</countryid>
<operator>AAA-TESTING Indonesia</operator>
<operatorid>0</operatorid>
<reference_operator>HASH(0x1343f70)</reference_operator>
<product_requested>1.00</product_requested>
<actual_product_sent>1.00</actual_product_sent>
<wholesale_price>0.03</wholesale_price>
<retail_price>0.00</retail_price>
<sms>Tshop test from me</sms>
<cid1></cid1>
<cid2></cid2>
<cid3></cid3>
<date>2014-06-11 17:36:21.326342</date>
<originating_currency>USD</originating_currency>
<destination_currency>IDR</destination_currency>
<authentication_key>1326967613</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

Key used to perform
the transaction
188609730.



8.1.2 PIN Based

Response Parameters (**additional parameters** applicable to PIN Based only)

| Name | Type | Description |
|--------------|---------------------|--|
| pin_based | String | Returns “Yes” if PIN-based transactions. Else “No”. |
| pin_validity | String | Validity of the PIN. |
| pin_code | Alphanumeric String | Code of the PIN. |
| pin_ivr | Integer | IVR number of the PIN. |
| pin_serial | Alphanumeric String | Serial number of the PIN. |
| pin_value | Integer | Value of the PIN. |
| pin_option_1 | String | Additional information. For example, it can describe how to use the PIN directly from handset (by entering a dedicated USSD code). |
| pin_option_2 | String | Additional information. For example, it can provide the operator refill website. |
| pin_option_3 | String | Additional information. For example, it can provide the operator refill call center. |

Sample Request

```
<xml>
<login>your_login</login>
<key>1326968024</key>
<md5>md5</md5>
<transactionid>77749654</transactionid>
> <action>trans_info</action> </xml>
```

Sample Response

```
<TransferTo>
<transactionid>77749654</transactionid>
<msisdn>69999999999</msisdn>
<destination_msisdn>9779742045269</destination_msisdn>
<transaction_authentication_key>1326964272</transaction_authentication_key>
<transaction_error_code>0</transaction_error_code>
<transaction_error_txt>Transaction successful</transaction_error_txt>
<country>Nepal</country>
<countryid>819</countryid>
<operator>NTC CDMA Nepal</operator>
<operatorid>0</operatorid>
<reference_operator></reference_operator>
<product_requested>200</product_requested>
<actual_product_sent>200</actual_product_sent>
<wholesale_price>2.58</wholesale_price>
<retail_price>3.30</retail_price>
<sms>Free credit from TransferTo</sms>
<cid1></cid1>
<cid2></cid2>
<cid3></cid3>
<date>2012-01-19 09:11:13.792268</date>
<originating_currency>USD</originating_currency>
<destination_currency>NPR</destination_currency>
<pin_based>yes</pin_based>
<pin_value>200</pin_value>
<pin_code>12345678901234</pin_code>
<pin_ivr>1415</pin_ivr>
<pin_serial>123456789123456789</pin_serial>
<pin_validity>2014-01-18T00:00:00+05:45</pin_validity>
<pin_option_1>To recharge your mobile, dial 1415 from your own Pre-Paid mobile phone and follow the in-
structions.</pin_option_1>
<pin_option_2>SkyPhone</pin_option_2>
<pin_option_3></pin_option_3>
<authentication_key>1326968024</authentication_key>
<error_code>0</error_code>
<error_txt>Transaction successful</error_txt>
</TransferTo>
```

8.2 Get the list of transactions performed during a given date range

Method `trans_list`

Returns the list of transactions performed during a given date

range. **Request Parameters**

| Name | Type | Required(Yes/No) | Description |
|--------------------|---------------------|------------------|--|
| login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "trans_list" |
| destination_msisdn | Numeric String | N | Destination MSISDN (usually recipient phone number). This is the destination phone number that will be credited with the amount transferred. Format is similar to "msisdn" and restricted to international phone number only. |
| msisdn | Alphanumeric String | N | The international phone number or name of the user requesting to credit a phone number (sender phone number). The format must contain the country code, and will be valid with or without the '+' or '00' placed before it. For example: "6012345678" or "+6012345678" or "006012345678" (Malaysia) or "John" are all valid. This field must not be empty. |
| code | Numeric String | N | The error_code of the transactions to search for. E.g "0" to search for only all successful transactions. If left empty, all transactions will be returned (Failed and successful). |

| Name | Type | Required(Yes/No) | Description |
|------------|--------|------------------|--|
| start_date | String | Y | Defines the start date of the search (included). Format must be YYYY-MM-DD. |
| stop_date | String | Y | Defines the end date of the search (included). Format must be YYYY-MM-DD. |

Response Parameters

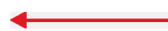
| Name | Type | Description |
|--------------------|---------------------|--|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| status_code | Integer | Transaction status. 0 will be returned in case of successful transaction. Deprecated, use field "error_code" instead. |
| transaction_list | String | List of transaction IDs found based on search parameters (date range and MSISDN). Transactions are separated by a comma. |

Sample Request

```
<xml>
<login>your_login</login>
<key>1217301496240</key>
<md5>14d1a9b386479b2af4d62a8932f5d79</md5><msisdn>6598236911</msisdn>
<destination_msisdn>628123456770</destination_msisdn><code>0</code>
<start_date>2008-01-01</start_date><stop_date>2008-08-01</stop_date>
<action>trans_list</action>
</xml>
```



Refine the research by specifying Sender or/and Recipient Phone



Define the date range (mandatory parameters).

Sample Response

```
<TransferTo>
<status_code>0</status_code>
<transaction_list>6115,6137,6183,6184,6204,6514,8129,8135,14888,14891</transaction_list>
<error_txt>Transaction successful</error_txt>
<authentication_key>1217301496240</authentication_key>
<error_code>0</error_code>
</TransferTo>
```

8.3 Get a transaction ID from a given key

Method `get_id_from_key`

Returns the ID of a transaction previously performed based on the key used in the request at that

time. Request Parameters

| Name | Type | Required(Yes/No) | Description |
|----------|---------------------|------------------|--|
| login | Alphanumeric String | Y | Account login name provided by (Topup System). |
| key | Integer | Y | Key generated by the client. The transaction is rejected if the key has been used. |
| md5 | Alphanumeric String | Y | MD5 sum of the hex encoded concatenation of login, token, and key. |
| action | Alphanumeric String | Y | Must be set to "get_id_from_key" |
| from_key | Integer | Y | Key used during a transaction previously performed, whom ID is requested. |

Response Parameters

| Name | Type | Description |
|--------------------|---------------------|--|
| authentication_key | Integer | Key generated by the client to perform the request (specified in key request parameter). The transaction is rejected if the key has been used. |
| error_code | Integer | Error code of the transaction. Refer to section 9.0 to see the list of error codes returned by the API. |
| error_txt | Alphanumeric String | Description of the error. |
| from_key | Integer | Key used during a transaction previously performed, whom ID is requested (same as the one specified in from_key request parameter). |
| id | Integer | ID of the transaction you were looking for. Blank if not found |

Sample Request

```
<xml>
<login>your_login</login><key>1217303174266</key>
<md5>b70aa58d2fe87d0bb0cd2b1902e5fce2</md5>
<from_key>1334909705</from_key><action>get_id_from_key</action>
</xml>
```

← Key used during the transaction.

Sample Response

```
<TransferTo>
<error_txt>Transaction successful</error_txt>
<authentication_key>1217303174266</authentication_key>
<error_code>0</error_code>
<id>7654321</id>
</TransferTo>
```

← Transaction ID linked to the given Key.

9.0 Standard API Errors

| Code | Text | Description |
|------|---|---|
| 0 | Transaction successful. | Indicates the Top-up was successfully delivered to the recipient. |
| 101 | Destination MSISDN out of range | Numbering plan not recognized: the destination/recipient number was not identified as belonging to any operators covered by (Topup System). Re-check recipient number and/or escalate the case to the (Topup System) Support Team for further investigation. |
| 104 | MSISDN in blacklist | Here MSISDN refers to both sender and recipient phone numbers which are blacklisted due to fraudulent activities. |
| 105 | Not enough credit on your account | Transaction failed due to insufficient funds in your account's prepaid balance. Please reload balance and try again. |
| 200 | Transaction canceled by Customer | |
| 202 | Transaction canceled by (Topup System) | |
| 203 | Transaction incomplete | Transaction failed due to a technical issue. Please contact (Topup System) Support Team for further investigation. |
| 204 | Destination Account is not prepaid or not valid | Transaction refused by the operator because the recipient phone number is not a valid prepaid account. |
| 207 | Transaction amount limit exceeded | Here limit refers to maximum amount defined for the destination MSISDN. There are some limitations set on the operator's side, not controlled by (Topup System). When one of these limits is reached, error code 207 will be returned. Some examples: <ul style="list-style-type: none">• Indosat Indonesia operator's end, the customer must wait at least 5 mins before sending another transfer to the same recipient account.• Indian operators' end, the customer must wait 3 mins before sending another transfer of the same amount to the same recipient account.• Orange Africa, the recipient account is limited to a maximum rechargeable amount of 30 Euros per week and 60 Euros per month. |
| 213 | Repeated transaction | Transaction refused because it was submitted too closely after a preceding Top-up attempt. |
| 214 | Topup refused | Transaction refused by the operator for a reason that was not specified. Common reasons for these types of failures are: <ul style="list-style-type: none">• Recipient number not valid for recharge.• Service outage temporarily faced on the operator. Please try again at a later time and/or contact the (Topup System) Support Team if the problem persists. |

| Code | Text | Description |
|------|---|---|
| 215 | Service to this destination operator is temporarily unavailable | Transaction failed due to an outage and/or connection issue with the operator. Please try again at a later time and/or contact the (Topup System) Support Team if the problem persists. |
| 216 | Destination number not activated | Transaction refused by the operator because the recipient number has not been activated. |
| 217 | Destination number expired | Transaction refused by the operator because the recipient number is no longer an active account. |
| 218 | Request timeout | Transaction timed-out and failed because of the long processing duration. Please try again at a later time and/or contact the (Topup System) Support Team if the problem persists. |
| 219 | Key does not exist | Request failed because the key provided does not exist (error returned for get_id_from_key method requests only). |
| 221 | Fraud suspicion | Transaction refused and the recipient number flagged for suspicion of fraud, due to the number of consecutive Top-up requests within a short gap of time. The recipient phone number will be locked out from receiving any Top-up for a certain period of time, after which, the restriction will be automatically released. |
| 222 | Number barred from refill | This error code is returned when the recipient has been blocked from refill directly by the recipient's operator. It prevents (Topup System) system from reloading his account. Recipient must call the operator's customer service to unblock it |
| 223 | ID not reserved | Transaction failed because the transaction ID specified in the request was not previously reserved. |
| 224 | Invalid length of destination MSISDN | Transaction failed because the recipient number length does not match (shorter or longer) the mobile number format of the country. |
| 230 | Recipient reached maximum topup number | This error is returned when a recipient reaches the maximum number of Top-up allowable in a certain gap of time. <ul style="list-style-type: none"> • 01 Day(s) => 10 • 07 Day(s) => 15 • 30 Day(s) => 40 |

| Code | Text | Description |
|------|--|---|
| 231 | Recipient reached maximum topup amount | This error is returned when a recipient reaches the maximum amount (in USD) of Top-up allowable in a certain gap of time. <ul style="list-style-type: none"> 01 Day(s) => max 100 USD 07 Day(s) => max 150 USD 30 Day(s) => max 200 USD |
| 232 | Account reached maximum topup number | This error is returned when your account has reached its maximum number of Top-up allowable in a certain gap of time. |
| 233 | Account reached maximum topup amount | This error is returned when your account has reached its maximum amount (in USD) of Top-up allowable in a certain gap of time. |
| 241 | Account reached maximum daily topup amount | This error is returned when your account has reached its maximum amount (in USD) of Top-up allowable within a day. |
| 242 | Account reached maximum daily topup number | This error is returned when your account has reached its maximum number of Top-up allowable within a day. |
| 243 | Account reached maximum weekly topup amount | This error is returned when your account has reached its maximum amount (in USD) of Top-up allowable within a week. |
| 244 | Account reached maximum weekly topup number | This error is returned when your account has reached its maximum number of Top-up allowable within a week. |
| 245 | Account reached maximum monthly topup amount | This error is returned when your account has reached its maximum amount (in USD) of Top-up allowable within a month. |
| 246 | Account reached maximum monthly topup number | This error is returned when your account has reached its maximum number of Top-up allowable within a month. |
| 251 | Sender reached maximum daily topup amount | This error is returned when the sender has reached its maximum amount (in USD) of Top-up allowable within a day. |
| 252 | Sender reached maximum daily topup number | This error is returned when the sender has reached its maximum number of Top-up allowable within a day. |
| 253 | Sender reached maximum weekly topup amount | This error is returned when the sender has reached its maximum amount (in USD) of Top-up allowable within a week. |
| 254 | Sender reached maximum weekly topup number | This error is returned when the sender has reached its maximum number of Top-up allowable within a week. |
| 255 | Sender reached maximum monthly topup amount | This error is returned when the sender has reached its maximum amount (in USD) of Top-up allowable within a month. |
| 256 | Sender reached maximum monthly topup number | This error is returned when the sender has reached its maximum number of Top-up allowable within a day month. |
| 301 | Denomination not available | Denomination not available for this destination. |

| Code | Text | Description |
|------|--|--|
| 310 | Denomination blocked | Transaction failed because the Top-up is no longer available on the operator's offer or on the account. |
| 320 | Requested amount out of range | Transaction failed because the Top-amount request was not within the range of valid amounts. |
| 321 | Requested currency not allowed for this account | Transaction failed because the currency specified is not valid for the account. |
| 401 | Transaction ID not found or was not made by your account | No transaction was found with the ID specified (error returned for trans_info method requests only). |
| 777 | Insufficient balance in your master account | Transaction failed because there are not enough funds in your master account. |
| 888 | Insufficient balance in your sub-account | Transaction failed because there are not enough funds in your sub-account. |
| 900 | Not enough information to process the topup | Transaction failed because some of the required fields in your Top-up request are missing/empty. |
| 901 | Invalid action | Transaction failed because the action specified in <action> field of the request is not valid. |
| 902 | Invalid input_currency | |
| 903 | Invalid output_currency | |
| 904 | Invalid input_value | |
| 905 | Invalid start_date | |
| 906 | Invalid stop_date | |
| 907 | Invalid transaction ID | Transaction ID specified in the <reserved_id> of the Top-up request is not valid. |
| 908 | Account not configured for this service | Transaction failed because the account is not configured to carry out the requested action. |
| 909 | Invalid flag | Transaction failed because the request included an invalid field/parameter. |
| 919 | All required argument not received | Transaction failed because the request is missing a mandatory field/parameter. |
| 921 | Wrong MD5 encoding | Transaction failed because the MD5 hash was not correct. Typically indicates that the password is incorrect. |
| 922 | Originating IP not allowed | Transaction failed because the request originated from an IP that is not whitelisted for the account. |
| 923 | Key or MD5 value cannot be empty | Request failed because Key or MD5 values are empty. |

| Code | Text | Description |
|------|--|--|
| 925 | Key already used or invalid key value | Request failed because the key value included in the request was not unique than the previous key used. |
| 926 | Account not active. Please contact your Account Manager. | |
| 995 | Account not found. Please enter and use a correct login. | |
| 998 | System not available. Please retry later. | Request failed due to technical issues. Please contact (Topup System) Support Team for further investigation. |
| 999 | Unknown error. | To be escalated to the (Topup System) Support Team for further investigation. |

10.0 Annexes

10.1 Sample Code in JAVA for MD5 Generation

This class generates the MD5 value in JAVA language.

```
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
import java.util.GregorianCalendar;

class HelloWorldApp {

    public static void main(String[] args)
    {
        String md5_string = getKeyedDigest("your_login","your_token","your_key");
        System.out.println(md5_string);
    }

    public static String getKeyedDigest(String login, String token, String key)
    {
        try {
            String temp = login + token + key;
            MessageDigest md5 = MessageDigest.getInstance("MD5");
            byte[] bytes = md5.digest(temp.getBytes());
            return byteToHex(bytes);
        } catch(NoSuchAlgorithmException)
        {
            System.out.println("oops");
        }
        return null;
    }

    public static String byteToHex(byte[] bits)
    {
        if (bits == null)
        {
            return null;
        }
        StringBuffer hex = new StringBuffer(bits.length * 2);
        for (int i = 0; i < bits.length; i++)
        {
            if (((int) bits[i] & 0xff) < 0x10)
            {
                hex.append("0");
            }
            hex.append(Integer.toString((int) bits[i] & 0xff, 16));
        }
    }
}
```

```
        return hex.toString();  
    }  
}
```

10.2 Sample Code in PHP

https://fm.transfer-to.com/shop/demo/api_sample.php

```
<?php  
//TransferTo  
//Sample code to send request to API  
//Version 1.03  
//7th Feb 2013  
  
// TransferTo account  
credentials Ologin="your_login";  
Otoken ="your_token";  
  
// MD5 calculation  
Okey=time();  
Omd5=md5(Ologin.Otoken.Okey);  
  
// TransferTo Platform  
Ourl="https://fm.transfer-to.com/cgi-bin/shop/topup";  
  
//Test data  
Odestination_msisdn="+628123456770";  
?>
```

Check Wallet:

```
<form name="wallet" method="post" action="<?php echo Ourl;?>"  
> <input type="text" name="login" value="<?php echo Ologin?>" >  
<input type="hidden" name="key" value="<?php echo Okey?>" >  
<input type="hidden" name="md5" value="<?php echo Omd5?>" >  
<input type="hidden" name="action" value="check_wallet" >  
<input type="submit" value="submit" />  
</form>
```

Check a destination number or get products for a number:

```
<form name="recipient" method="post" action="<?php echo Ourl ?>" >  
<input type="hidden" name="login" value="<?php echo Ologin ?>" >  
<input type="hidden" name="key" value="<?php echo Okey ?>" >  
<input type="hidden" name="md5" value="<?php echo Omd5 ?>" >  
<input type="text" name="destination_msisdn" value="<?php echo Odestination_msisdn ?>" >  
<input type="hidden" name="action" value="msisdn_info" >  
<input type="submit" value="submit" />  
</form>
```

Send a Topup:

```
<form name="topup" method="post" action="<?php echo Ourl ?>" >
<input type="hidden" name="login" value="<?php echo Ologin ?>" >
<input type="hidden" name="key" value="<?php echo Okey ?>" >
<input type="hidden" name="md5" value="<?php echo Omd5 ?>" >
<input type="hidden" name="delivered_amount_info" value="1" >
<input type="text" name="destination_msisdn" value="<?php echo Odestination_msisdn ?>" >
<input type="text" name="msisdn" value="<?php echo Omsisdn ?>" >
<input type="text" name="product" value="<?php echo Oproduct ?>" >
<input type="hidden" name="action" value="topup" >
<input type="submit" value="submit" />
</form>
```

10.3 URL to retrieve operator logo images

(Topup System) API offers the possibility to retrieve operator logo images. It is quick and easy, you just need to know the operatorid.

The URL is the following: <https://operator-logo.transferto.com/logo-ID-SIZE.png>

- **ID** is the operatorid
- **SIZE** is an integer from 1 (smallest) to 3 (biggest).

Tigo Sample: <https://operator-logo.transferto.com/logo-1529-1.png>

Orange Sample: <https://operator-logo.transferto.com/logo-1530-1.png>

MTN Sample: <https://operator-logo.transferto.com/logo-1526-1.png>

