API Description

In order to start accepting payments on your site using the Betatransfer service, you need to set up the formation of requests according to this documentation.
API KEY and API SECRET need to be requested through the contact form of the service.

API Technical Documentation

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1. Payment acceptance modules for CMS

The ready-made module for CMS WordPress and OpenCart will help you to connect payment acceptance from BetaTransfer to WordPress and OpenCart in just 5 minutes.

Payment acceptance module for CMS Wordpress (WooCommerce)
DOWNLOAD

Payment acceptance module for CMS Opencart (2.0 - 2.2)
DOWNLOAD

Payment acceptance module for CMS Opencart (2.3)
DOWNLOAD

Payment acceptance module for CMS Opencart (3.0)
DOWNLOAD

2. Payment request form

Payment request form is HTML form for payment request, which is generated by the website of the Seller and is used to transfer Betaransfer data. This form is the key in the Betatransfer protocol and is a set of hidden fields containing the information necessary to complete the transaction.

Example of request:

```
<form method="post"
action="https://merchant.betatransfer.io/api/payment?token=api_public_key">
<input type="hidden" name="amount" value="">
<input type="hidden" name="currency" value="">
<input type="hidden" name="orderId" value="">
<input type="hidden" name="urlResult" value="">
<input type="hidden" name="urlSuccess" value="">
<input type="hidden" name="urlFail" value="">
<input type="hidden" name="sign" value="">
<input type="submit" value="Pay">
</form>
```

The table below consists of all acceptable fields for the HTML form for proper interaction with Betatransfer.

* - mandatory items

Features	Description
*amount	purchase amount. note: in the format 12345.00
*currency	purchase currency (rub, uah, usd, eur)
paymentSystem	payment system
urlResult	url of interaction page
urlSuccess	url of the payment page
*orderId	identification purchase number in accordance with the accounting system. note: latin letters, numbers, without special signs
urlFail	url of a failed payment page
*sign	digital signature. See digital signature generation
locale	may contain en, ru, and ua
redirect	allows you to forward the payer immediately to the payment form

Example of successful response:
{
"Status": "success",
"Id": 123456,
"Url": "https: // ..."
}

Example of unsuccessful response:
{
"Status": "error",
"Errors": []
}

3. Payment gateway request form

You have to specify the value of the parameter "paymentSystem" as a payment method (see Payment direction codes) to receive a payment form through the gateway of a specific payment system.

Example of request:

```
<form method = "post" action =
"https://merchant.betatransfer.io/api/payment?token=api_public_key">
<input type = "hidden" name = "amount" value = "">
<input type = "hidden" name = "currency" value = "">
<input type = "hidden" name = "paymentSystem" value = "">
<input type = "hidden" name = "orderId" value = "">
<input type = "hidden" name = "urlResult" value = "">
<input type = "hidden" name = "urlSuccess" value = "">
<input type = "hidden" name = "urlFail" value = "">
<input type = "hidden" name = "sign" value = "">
<input type = "submit" value = "Pay">
</form>
```

The table above (see the Payment Request Form) noticed all the acceptable fields for the form.

Example of successful response:
{
"Status": "success",
"Id": 123456,
"UrlPayment": "https: // ..."

}

Example of unsuccessful response:
{
"Status": "error",
"Errors": []
}

4. Request withdrawal form

To create a request for withdrawals, you need to send a request by POST method to the address https://merchant.betatransfer.io/api/withdrawal-payment?token=api_public_key.
Don't specify tokens in POST parameters.

Example of request:

```
<form method = "post" action =
"https://merchant.betatransfer.io/api/withdrawal-payment?token=api_public_key">
<input type = "hidden" name = "amount" value = "">
<input type = "hidden" name = "currency" value = "">
<input type = "hidden" name = "orderId" value = "">
<input type = "hidden" name = "paymentSystem" value = "">
<input type = "hidden" name = "address" value = "">
<input type = "hidden" name = "sign" value = "">
<input type = "submit" value = "Pay">
</form>
```

Answer
{
"status": "success",
"id": ***,
"paymentSystem": "Card",
"orderId": "***",
"orderAmount": "250",
"orderCurrency": "RUB",
"paymentAmount": 0,
"paymentCurrency": "RUB",
"commission": "0",
"commissionCurrency": "RUB"
}

* - mandatory items

Features	Description
*amount	withdrawal amount
*currency	currency
*orderId	id of your application must be unique
*paymentSystem	payment system
*address	card or wallet number
*sign	digital signature. See digital signature generation

5. Payer redirect to the "Success" or "Error" pages

After paying, the payment gateway can redirect the payer to the return page on the Seller's website. The system will try to redirect the payer to different pages depending on the result of the payment attempt. Redirect will happen if UrlSuccess, urlFail were noticed in the payment request.

6. Payment alert

Betatransfer creates a request with the data on it to the interaction page when the payer creates a payment. This request contains all the necessary data to complete the payment process on your site. This form is intended, first of all, for close integration with your site. It allows you to automate the process, which is initialized upon receipt of this notification of completed payment, for transferring the payment and processing the order in billing on your website. A complete list of return form parameters is provided below:

Features	Description
id	identification number in our system
paymentSystem	payment system
paymentCommision	commission of payment system
amount	transferred amount
currency	currency of transfer
orderId	identification purchase number in accordance with the accounting system
orderAmount	order amount
sign	digital signature. See digital signature generation
note	additional payment information

Note! Successful payment data is sent to the urlResult specified in the request. A notification of payment will be delivered to the client server until a correct response is received from the site.

The correct answer is the answer "OK". In case of failure, the service will make no more than 10 retries within 3 days.

7. Receive information on a separate transaction

To obtain information on the transaction, you need to send a request by the POST method to the address
https://merchant.betatransfer.io/api/info?token=api_pablic_key

Parameters:

Features	Description
id	transaction id in our system
sign	signature

Answer

Features	Description
id	transaction number
type	type of transaction (deposit or withdrawal)
amount	transferred amount
commission	service commission (number in payment currency)
paymentSystem	payment system
currency	currency type (RUB, UAH, USD, EUR)
address	wallet or card number
paymentCard	payment card
status	transaction status (success, processing, error, cancel)

8. Transaction Information

Send request by POST method
POST https://merchant.betatransfer.io/api/history?token=api public key

Parameters:

* - mandatory items

Features	Description

limit	the number of notes to be withdrawal
type	type of transaction (deposit or withdrawal)
status	status (success, processing, error, cancel)
address	number of account, wallet, card of the recipient, (indicate only with type = withdrawal)
*sign	digital signature. see digital signature generation

Answer:

Features	Description
id	transaction number
type	type of transaction (deposit or withdrawal)
amount	transferred amount
commission	service commission (number in payment currency)
paymentSystem	payment system
currency	currency type (RUB, UAH, USD, EUR)
address	wallet or card number
paymentCard	payment card
status	transaction status (success, processing, error, cancel)
pageCount	number of pages

9. Information about the account balance and its status

Send request by GET method
GET https://merchant.betatransfer.io/api/account-info?token=api public key & sign = generate sign
where sign = md5 ($ apiPublic. $ apiSecret)

Answer:

Features	Description
balance	balance (rub, usd)
account	account
lockWithdrawal	withdrawal lock
lockAccount	account lock
authAt	last authorization

Note:
- all POST requests
- sign is formed according to all the parameters passed except for sign, it is necessary to combine it in one line and wrap it in md5 (implode ('', $ data). $ secret)

10. Digital signature generation

A digital signature is formed by combining the values of the form parameters, with the addition of the apiSecret private key. The value obtained is hashed by the md5 algorithm.

Example of a signature generation algorithm (Payment request form) in PHP:

```
$ params = [
'Amount',
'Currency',
'PaymentSystem',
'OrderId',
'UrlResult',
'UrlSuccess',
'UrlFail'
];
$ sign = md5 (implode ('', $ params). $ apiSecret);
return $ sign;
```

Example of a signature generation algorithm (Payment Alert) in PHP:

```
$ params = [
'Amount', // amount - taken from the incoming post
'OrderId' // orderId - your transaction id
];
$ sign = md5 (implode ('', $ params). $ apiSecret);
return $ sign;
```

Example of a signature generation algorithm (obtaining information on a particular transaction) in PHP :

```
$params = [
'Id' //Id - Порядковый номер транзакции в нашей системе
];
$sign = md5(implode('', $params) . $apiSecret);
return $sign;
```

11. Codes of payment directions

Requests are formed in two ways, depending on in what form you want to give the payment form to clients:

First method: Direct link to the payment form of a particular payment system. In this case, in response to the request, a link is issued leading to the payment form

Send a request using the POST method using PaymentSystem
POST https://merchant.betatransfer.io/api/payment?token=api public key
token must be specified as a GET parameter. You don't need to register it in POST.

Parameters:

* - mandatory items

Features	Description
*amount	purchase amount. note: in the format 12345.00
*currency	purchase currency (rub, uah, usd, eur)
paymentSystem	payment system
urlResult	url of interaction page
urlSuccess	url of the payment page
*orderId	identification purchase number in accordance with the accounting system. note: latin letters, numbers, without special signs
urlFail	url of a failed payment page
*sign	digital signature. See digital signature generation

In paymentSystem you have to specify one of these values:
YandexMoney - for deposit through Yandex.Money
Qiwi - for deposit through Qiwi Wallet
Card - for deposit via bank cards

Answer:

Features	Description
status	success/error
errors	errors, if success = error
id	our payment id
urlPayment	direct link to the system for payment

The second method: The page for selecting a payment system for payment. In this case, a link leading to the Betatransfer merchant page will be issued where the payer chooses how to make the payment himself.

Send request by POST method

POST https://merchant.betatransfer.io/api/payment?token=api public key

token must be specified as a GET parameter. You don't need to register it in POST.

Incoming data:

* - mandatory items

Features	Description
*amount	purchase amount. note: in the format 12345.00
*currency	purchase currency (rub, uah, usd, eur)
paymentSystem	payment system
urlResult	url of interaction page
urlSuccess	url of the payment page
*orderId	identification purchase number in accordance with the accounting system. note: latin letters, numbers, without special signs
urlFail	url of a failed payment page
*sign	digital signature. See digital signature generation

Answer:

Features	Description
status	success/error
errors	errors, if success = error
id	our payment id
url	link to the Betatransfer page for choosing a payment method

Note! Please contact support to find out the list of payment directions that are available to you.