



Transferuj.pl technical documentation

Polish payment gateway integration

Krajowy Integrator Płatności Spółka Akcyjna (National Payment Integrator Joint Stock Company) based in Poznań, Św. Marcin 73/6, added to National Court Register by District Court Poznan - New Town and Wilda in Poznan, VIII Division of the National Court Register at the KRS number 0000412357, NIP number 7773061579, REGON 300878437, initial capital 4 798 500,00 PLN (paid up in full).

1 Notes

The terms "seller" and "merchant" are used interchangeably and they both refer to a person or a company registered at Transferuj.pl to accept online payments.

The terms "customer" and "client" are used interchangeably and they both refer to a person doing a payment.

Whenever term "seller's panel" or "control panel" is used it refers to part of Transferuj.pl website located at: <https://secure.transferuj.pl/panel/> .

2 Simple version

By accessing the address **<https://secure.transferuj.pl>** without GET parameters, the customer is transferred to the payment panel, in which he is required to fill the following data:

- Seller ID - e.g. 1111;
- Amount of the payment - e.g. 157.32;
- Transaction description - any description provided by the customer*.

** Please note that transaction description is not the payment title!*

There is a possibility of imposing any of the above parameters by providing them as a part of the URL address, as follows:

<https://secure.transferuj.pl/?id=1005> - one parameter;

<https://secure.transferuj.pl/?id=1005&kwota=9.32> - two parameters.

Providing all three parameters will result in transferring the customer immediately to the transaction panel. This is an introduction to the full integration with Transferuj.pl.

3 Full version

The client is redirected to <https://secure.transferuj.pl>, the parameters necessary to define the transaction must be sent via POST or GET method. Available parameters are presented below:

Parameter	Information	Accepted values
id	Numeric identifier assigned to the merchant during the registration. Mandatory parameter!	Numeric, e.g. 1005
kwota	Transaction amount with dot as decimal separator. Mandatory parameter!	Numeric, e.g. 157.32
opis	Transaction description Mandatory parameter!	Any, up to 128 characters
crc	Auxiliary parameter to identify the transaction on the merchant side.	Any, up to 128 characters
md5sum	The checksum used to verify the parameters received from the merchant. It is constructed in accordance with the following scheme using MD5 function: <i>MD5(id + kwota + crc + seller's verification code)</i>	Alphanumeric, 32 characters

Parameter	Information	Accepted values
	<p>PHP e.g.:</p> <pre>md5(\$id.\$kwota.\$crc.\$code);</pre> <p>When seller's verification code is not set, its value is assumed to be an empty string.</p>	
online	Allow online payments only – disallows selection of channels, which at the time, cannot process the payment in real time.	0 – no 1 – yes
kanal	Imposing pre-selected payment channel for the customer (the full list of channels along with their ID is available in the seller's panel).	Numeric, e.g. 8
zablokuj	Blocking the channel selection of payment – works only with the kanal parameter.	0 – no 1 – yes
wyn_url	The URL address to which transaction result will be sent via POST method. Note: The value of this parameter is used provided accepting it from external form is enabled (the setting in seller's control panel). By default, the value set in the seller's panel is used. Details are provided later in this manual.	Alphanumeric, up to 512 characters
wyn_email	E-mail address to which notifications of transaction states are sent. By default, the value set in the seller's panel is used.	Alphanumeric, up to 64 characters
opis_sprzed	Description of the seller during the transaction. By default, the value set in the seller's panel is used.	Any, up to 64 characters
pow_url	The URL to which the client will be forwarded after the correct transaction processing.	Alphanumeric, up to 512 characters
pow_url_blad	The URL to which the client will be forwarded in case transaction error occurs. By default, the same as pow_url.	Alphanumeric, up to 512 characters
email	Client's email address	Alphanumeric, up to 64

Parameter	Information	Accepted values
		characters
nazwisko	Client's name	Alphanumeric, up to 64 characters
imie	Client's first name	Alphanumeric, up to 64 characters
adres	Client's address	Alphanumeric, up to 64 characters
miasto	Client's city	Alphanumeric, up to 32 characters
kod	Client's post code	Alphanumeric, up to 10 characters
kraj	Client's country	Alphanumeric, up to 32 characters
telefon	Client's telephone number	Alphanumeric, up to 16 characters

In case any of the three parameters was missing, the customer will be redirected to a simple version of the system and asked to fill in missing data.

In order to provide additional safety, **md5sum** checksum should be used. If this sum is sent as a parameter to the system, but its value is different than the one calculated using transaction data, the transaction will be discarded and the customer will be redirected to a simple version of the system with an appropriate error message

Sample full integration is described in an external document at:

https://secure.transferuj.pl/partner/pliki/exemplary_integration.pdf

Some more examples:

https://secure.transferuj.pl/partner/pliki/documentation_of_implementation.pdf

Additional functionality:

The Merchant can access the payment channels with their description, online working hours, accessibility at the present time and logos using Javascript described at

https://secure.transferuj.pl/partner/pliki/documentation_of_channels.pdf

4 Notifications and receiving data after transaction

After each transaction, the system sends appropriate notification emails to both the customer and the seller as well as the parameters to the URL specified by the seller via POST method. Notification to the customer is always sent, but the seller can disable them in control panel. Similar thing applies to the POST parameters - the seller may disable receiving them.

If receiving POST parameters is enabled, the seller should be aware that the notification's URL address can be different for each transaction. The default value is the one set in notification settings in the seller's panel. There is also a setting which allows a change of `wyn_url` address when sending the transaction data.

When POST notifications sending is used, the following parameters shall be sent to the provided URL address:

Parameter	Detail
id	Numeric identifier assigned to the merchant during the registration.
tr_id	Transaction identifier assigned by the system.
tr_date	Transaction date.
tr_crc	Auxiliary parameter to identify the transaction on the merchant side.
tr_amount	Transaction amount provided by the seller.
tr_paid	Amount paid. Note: depending on account settings, this amount may be different than transaction amount!
tr_desc	Transaction description.
tr_status	Transaction status: TRUE if transaction is valid or FALSE otherwise. Note: depending on account settings, transaction status might be correct when amount paid is different than transaction amount! E.g. seller accepts overpayments.
tr_error	Error information parameter. Its values can be as follows: <ul style="list-style-type: none"> none – no error, overpay – overpayment, surcharge – underpayment. Note: this parameter might be different than “none” even when transaction status is TRUE. E.g. when there is an overpayment then <code>tr_status=TRUE</code> and <code>tr_error=overpay</code>.
tr_email	Client's email address

Parameter	Detail
md5sum	<p>The checksum used to verify the parameters sent to the merchant. It is constructed in accordance with the following scheme using MD5 function:</p> <p><i>MD5(id + tr_id + tr_amount + tr_crc + seller's verification code)</i></p> <p>PHP e.g.:</p> <p><i>md5(\$id.\$tr_id.\$tr_amount.\$crc.\$code);</i></p> <p>This checksum should be always verified on the merchant's side and data discarded in case of it invalid value. When seller's verification code is not set, its value is assumed to be an empty string.</p>

In response to the received transaction parameters the merchant's system must confirm their delivery. This is done by printing the word **TRUE**. Any other response will be treated as invalid and will result in scheduling another attempt. Example implementations in PHP looks as follows:

```
echo "TRUE";
```

Notifications are always sent from IP address: **195.149.229.109** - it is recommended to verify the address to assure that they come from the Transferuj.pl online payments server.

Please note this address may change or new address can be added!

5 Uwagi końcowe

We encourage everyone to test the everything before the final release of the integration. Transferuj.pl has a TEST MODE, which can be turned on in the Merchant's control panel at the Menu:

Ustawienia > Tryb testowy.

Włączony = ON

Wyłączony = OFF

When the test mode is on, you can try generating a transaction as a normal customer would do, but after choosing the payment there is a form, where you can enter an ammount and click "ZAPISZ KWOTĘ" button. After that our system will send notifications as if the customer would pay the entered ammount. Transactions in TEST MODE are free of charge.

Tryb testowy

Transakcje w trybie testowym nie wpływają na stan konta oraz prowizję i są usuwane z systemu po 48 godzinach.
W kroku 2 panelu transakcyjnego dostępny jest wybór stanu transakcji.

Tryb testowy	<div style="border: 1px solid #ccc; padding: 2px 5px; display: inline-block;">WŁĄCZONY ▼</div>
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zapisz

You can also test notifications via hidden POST confirmations using Menu:

Pomoc>Testowanie powiadomień.

Podaj parametry testowe

Status transakcji	<div style="border: 1px solid #ccc; padding: 2px 5px; display: inline-block;">poprawna ▼</div>
Błąd	<div style="border: 1px solid #ccc; padding: 2px 5px; display: inline-block;">brak ▼</div>
Kwota transakcji	<div style="border: 1px solid #ccc; padding: 2px 5px; display: inline-block;">0.00</div>
Opis transakcji	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>
Ciąg pomocniczy CRC	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>
E-mail kupującego	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>
Kod potwierdzający	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>
Weryfikuj certyfikat SSL serwera	<div style="border: 1px solid #ccc; padding: 2px 5px; display: inline-block;">nie ▼</div>

Adres URL na który zostaną wysłane testowe parametry

Adres	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>
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wyslij

The parameters above are as follows:

1. Transaction status
2. Error
3. transaction amount
4. transaction description
5. CRC
6. client email
7. "kod potwierdzający" = confirmation code = *seller's verification code used to calculate md5sum*
8. verify servers SSL certificate
9. adres URL to send notification to

Please make notice to **wyn_url** settings at Merchant's Menu:

Ustawienia>Powiadomienia>Wynikowy adres URL.

If you will set the "Zezwól na nadpisanie": setting to "nie", and no address will be entered, the confirmations won't be sent at all.

Wynikowy adres URL
Jest to adres na który będą wysyłane potwierdzenia transakcji

Adres	<input type="text"/>
Zezwól na nadpisanie	tak ▼

What is md5sum needed for?

It's a parameter added in order to increase security, and preserve the integrity of data transferred between Merchant's Service and Transferuj.pl system. It's generated using the Merchant's confirmation code, known only to the Merchant and entered by himself/herself in the Merchant's control panel in

Menu->Ustawienia->powiadomienia->kod potwierdzający.

If the Customer (Payer) will change the parameters sent from the Merchant's system to Transferuj.pl (i.e. the amount of transaction), s/he will be unable to make the payment which would result in receiving a notification by the Merchant with the same CRC code as sent with the transaction details to Transferuj.pl. CRC is used by Merchants to automatically identify transactions and should be unique to each transaction.

We advice to accept payments without md5sum only if every transactions are manually checked by the Merchant (i.e. when the payment links are sent via chat communicators or are individually and manually prepared by the Merchant).

6 Contact

If any questions arise during the lecture of this document or any other technical issue needs explanation, please contact us using contact form in seller's panel or via email: **pt@transferuj.pl**