

Sending the results of an authorization to the merchant server

To notify the merchant about payment results in real-time the IPS Assist provides the service for synchronous sending the results of the payment to the merchant server. After completion of the buyer payment (by bankcard or by e-cash) the message is being sent to the merchant server via HTTP POST or SOAP method with parameters of the payment.

In the Personal Account you can specify the URL for sending the results, the type of signature and the secret word.

After you configure and activate the service the results of transactions by bankcards and electronic cash (payments, confirmations, cancellations - depending on settings) will be sent to the enterprise server. The results of payment transactions completed due to a timeout are not sent.



Attention! For security reasons results are sent only on ports 443, 8443, 80, 8080. No other ports can be used to receive the results!

To use the service through HTTPS a certificate from the trusted certification authority must be used.

The list of the sent parameters:

Parameter	Value
merchant_id	The merchant identifier in IPS Assist
ordernumber	Order number
billnumber	Unique order number in IPS Assist
testmode	Test mode
ordercomment	Comment
orderamount	Original amount of order
ordercurrency	Original currency of order
amount	Order amount
currency	Order currency
rate	Currency rate
firstname	Payer's first name
lastname	Payer's last name
middlename	Payer's middle name
email	Payer's e-mail
clientip	Customer IP-address
ipaddress	Payer's IP-address
paymenttype_id	Payment means ID

meant ypena me	Type of payment means
means ubtype	Subtype of payment means
meann umber	Number of payment means
cardhol der	Payment means holder
cardex piratio ndate	Card expired date
issueb ank	Issuing bank name
bankco untry	Country of issuing bank
orderd ate	Date of order(GMT)
orderst ate	Order status
respon secode	Response code
messa ge	Message
custom ermess age	Result message for customer
recom menda tion	Recommendation
approv alcode	Authorization code
protoc oltypen ame	Protocol
proces singna me	Processing name
operati ontype	Operation type
operati ondate	Operation date and time(GMT)
authre sult	3Ds authorization result (Y - success, N - fail, A - Attempt, U - unknown, R - rejection, C -not completed for any reason, E - error, I - Informational Only)
authre quired	The card involvement in 3Ds check result (1 - involved, 0 - not involved, -1 - unknown, null - error appear during involvement check)
packet date	Request date (GMT)
signatu re	1) For signature type MD5 - empty 2) For PGP type - an X value, signed by IPS Assist secret key and converted into BASE64 string.

checkvalue	Request validation code 1) For signature type MD5 - calculated as: uppercase(md5(uppercase(md5(SALT) + md5(X)))), where SALT - the secret word; X - is string concatenation of <i>merchant_id</i>, <i>ordernumber</i>, <i>orderamount</i>, <i>ordercurrency</i>, <i>orderstate</i> string representations (without delimiters). 2) For PGP type - empty
slipno	Financial transaction identifier (not used)
personalaccount	The the ERIP personal account number, on which the payment was made.  Attention! The parameter is added at the request of the merchant (if there are prepayments) to the IPS Assist technical support service (support@belassist.by)
3DSecure parameters	
version	3DSecure protocol version
alphaauthresult	3Ds authorization result (Y - success, N - fail, A - Attempt, U - unable to authenticate, R - rejection, C -not completed for any reason, E - error, I - Informational Only)
challenge	Interaction with the cardholder (C - yes, F - no, D - Decoupled Authentication)
eci	Electronic Commerce Indicator (5 - full authentication, 6 - authentication attempt, 7 - without authentication)

```

<?xml version="1.0" encoding="utf-8"?><soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ws="http://www.paysecure.ru/ws/"><soapenv:Body>
<ws:PushPaymentResult>
<merchant_id>500001</merchant_id>
<ordernumber>18062012_SDR</ordernumber>
<billnumber>550000110000001.1</billnumber>
<testmode>1</testmode>
<ordercomment> </ordercomment>
<orderamount>21.00</orderamount>
<ordercurrency>BYN</ordercurrency>
<amount>21.00</amount>
<currency>BYN</currency>
<rate>1</rate>
<firstname>Test</firstname>
<lastname>Testov</lastname>
<middlename>T.</middlename>
<email>test@test.by</email>
<clientip>10.10.10.10</clientip>
<ipaddress>0.0.0.0</ipaddress>
<meantype_id>2</meantype_id>
<meantypename>MasterCard</meantypename>
<meansubtype>Standart</meansubtype>
<meannumber>546792****4128</meannumber>
<cardholder>TEST</cardholder>
<cardexpirationdate>12/20</cardexpirationdate>
<issuebank>Bank</issuebank>
<bankcountry>RUS</bankcountry>
<orderdate>06.07.2016 11:10:06</orderdate>
<orderstate>Approved</orderstate>
<responsecode>AS000</responsecode>
<message />
<customermessage> .</customermessage>
<recommendation>SUCCESSFUL AUTHORIZATION</recommendation>
<approvalcode>X40334</approvalcode>
<protocoltypename>NET</protocoltypename>
<processingname>Fake</processingname>
<operationtype>100</operationtype>
<operationdate>06.07.2016 11:10:07</operationdate>
<authresult />
<authrequired>0</authrequired>
<slipno></slipno>
<personalaccount>92333456</personalaccount>
<packetdate>06.07.2016 11:11:02</packetdate>
<signature />
<checkvalue>45A33F800F2BD16C02E3D2F5C81557A0</checkvalue>
<threedsdata>
<version>1.0.0</version>
<alphaauthresult>Y</alphaauthresult>
<challenge>C</challenge>
<eci>5</eci>
</threedsdata>
</ws: PushPaymentResul></soapenv:Body></soapenv:Envelope>

```

If the expected response setting is different from HTTP 200, then in response to the message about the payment results, the IPS Assist expects an xml package from the enterprise system.

The response must be generated depending on the *Protocol Type* setting in the Personal Account section [Payment result options](#).

For POST protocol type

In case of the successful receiving and processing message the format of the replay packet should be:

```

<pushpaymentresult firstcode="0" secondcode="0">
<order>
<billnumber>value</billnumber>
<packetdate>value</packetdate>
</order>
</pushpaymentresult>

```

In case of failure:

```
<pushpaymentresult firstcode="value" secondcode="value">
</pushpaymentresult>
```

For SOAP protocol type

In case of the successful receiving and processing message the format of the replay packet should be:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <SOAP-ENV:Body>
    <m:PushPaymentResultResponse xmlns:m="http://www.assist.ru/wsdl">
      <return xmlns:si="http://www.assist.ru/type/" xsi:type="si:SOAPStruct">
        <billnumber>5696145241469255.1</billnumber>
        <packetdate>26.06.2019 08:44:00</packetdate>
      </return>
    </m:PushPaymentResultResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

In case of failure:

```
<?xml version="1.0" encoding="windows-1251"?>
  <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <SOAP-ENV:Body SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <SOAP-ENV:Fault>
        <faultcode>5</faultcode>
        <faultstring>143</faultstring>
        <detail />
      </SOAP-ENV:Fault>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```

For the description of the first and second codes of the automated interfaces refer to table "[Error codes](#)"

The system repeats sending the payment result message with increasing intervals during the four hours but not more than 8 times, if:

- the setting of expected response is different from HTTP 200 and the merchant does not respond with either a successful or unsuccessful payment result message;
- the setting of expected response is HTTP 200, but the received response is different.



Attention! When the received replay indicates a failure in message handling the sending of payment results is not repeated. Values of firstcode, secondcode are used for used to diagnose the problems.



Attention! The *testmode* value of response has to be checked. If the payment was made in test mode (*testmode* = 1), then the shipment of goods or providing of services for the current request is not required.

[Back on top](#)