

Request for order registration and payment (as a single request)

In this document, the following data type conventions are used when describing request and response parameters:

- string – string;
- array – data array;
- object – data object;
- data – date;
- boolean – boolean (logical) data type;
- int. (integer) – integer data type;
- amount – a numeric data type (amount).

Request parameters:

Parameter	Type	Description	Value example
merchantOpenTokenId	string	The merchant's public key.	8u144674veh8u9b8gnhdm5ua89
returnUrl	string	Data object to specify the URL for the customer to return to.	https%3A%2F%2Fya.ru
amount	string	Data object about the amount of payment. Passed as a string and in major units. Template xxxx, xx – i.e. the amount is transferred in the form of rubles + kopecks; For example, 100.20 – 100 rubles 20 kopecks.	10001

Parameter	Type	Description	Value example
preAuth	string	Parameter that defines the necessity of a pre-authorization (putting the amount on hold on the customer's account until its debiting). The following values are available: • true - the parameter is enabled, a payment is processed with a pre-authorization (the amount on the customer's account is put on hold until the debiting); • false - the parameter is disabled (the amount is debited immediately). If the parameter is not specified in the request, the debiting occurs immediately; if it is specified, you must send a separate request for completion.	false
bindingUuid	string	Sbersafe binding identifier.	
pan	string	Payment card number.	4276010013296064
expiry	string	The validity of the card.	202412
cardholder	string	Name of the cardholder.	Integration+Tester
cvc	string	CVC/CVV2 code on the back of the card.	555
phone	string	Customer's phone number without a leading «7».	9886496412
email	string	Customer's email address.	test@test.ru
deliveryAddress	string	Delivery address.	
loyaltyId	string	Loyalty program identifier.	sbrf_spasibo
loyaltyPointAmount	string	Amount of «Spasibo» bonuses (in units of bonuses). When you specify bonuses in the order registration request, they are deducted from the amount in amount rather than being added to it.	100
loyaltyPayments	string	A block containing information about the loyalty program identifier and the amount of points.	«loyaltyId»:«sbrf_spasibo», «loyaltyPointAmount»:«200000»
externalBindingId	string	Gateway Binding (External).	
importExternalBindings	string	Flag for importing bindings.	

Parameter	Type	Description	Value example
params	string	Extra options. It is forbidden to pass reserved names in the parameter (if they are passed, the order may be rejected): - sbrf_spasibo:amount_bonus - sbrf_sbermiles:amount_bonus - loyaltyId	
googlePaymentToken	string	Google Pay payment token.	
samsungPaymentToken	string	Samsung Pay payment token.	
applePaymentToken	string	Apple Pay payment token.	
threeDSServerTransId	string	Transaction identifier created on the 3DS server. This parameter is used for Customer authentication using the 3DS Protocol version 2.0.	

Request example:

POST

/order/instantPayment?merchantOpenTokenId=8u144674veh8u9b8gnhdm5ua89&returnUrl=https%3A%2F%2Fya.ru&amount=10001&preAuth=false&pan=4276010013296064&expiry=202412&cardholder=Integration+Tester&cvc=555&phone=9886496412&email=test@test.com&loyaltyPayments=[{"%22loyaltyId%22:%22sbrf_spasibo%22,%20%22loyaltyPointAmount%22:%22100%22"}, {"%22loyaltyId%22:%22sbrf_sbermiles%22,%20%22loyaltyPointAmount%22:%22100%22"}] HTTP/1.1

Host: 3dsec.sberbank.ru/sbersafe

Content-Length: <content-length>

Response parameters:

Parameter	Type	Description	Value example
errorCode	int	Error code.	0
errorMessage	string	Error description.	«Invalid operation for the current order status»
mdOrder	string	Order number in the payment gateway. Unique within the payment gateway.	de2ad073-79f5-7877-b600-69d00008e652
orderStatus	string	Order status in the payment system.	DEPOSITED
acsUrl	string	Redirect address to the address of the ACS server.	"https://test.paymentgate.ru/acs/auth/start.do"
paReq	string	Parameter to pass to ACS for authentication.	eJxVUk1zgJAQ/SsM95KEr1pnjUOLnXqgYxUvvVHYAVQ+DFDUX99EUeshM/t2N2/3vQSmXCV5mU70dfj+N
termUrl	string	URL to redirect the payer to after authentication.	"https://server/context/rest/finish3ds.do"
redirect	string	Return address after the payment.	"http://ya.ru?orderId=eb49300c-95b7-4dcd-9739-eee6c61f2ac4"

Parameter	Type	Description	Value example
is3DSVer2	boolean	Flag indicating that the payment/transfer will be made using the 3DS Protocol version 2.0. The following values are available: - true - the payment/transfer will be made using the 3DS Protocol version 2.0; - false - the payment/transfer will not be made using 3DS Protocol version 2.0. This parameter is used for Customer authentication using the 3DS Protocol version 2.0.	
packedCReq	string	Packed data of challenge request. This value should be used as the value of the creq parameter of the link to ACS (acsUrl), for redirecting the customer to ACS.	
status	string	Indication of the status of the request processing result	SUCCESS
threeDSServerTransId	string	Transaction identifier created on the 3DS server. This parameter is used for Customer authentication using the 3DS Protocol version 2.0.	
threeDSMethodURL	string	The URL address of the ACS to collect data about the browser. This parameter is used for Customer authentication using the 3DS Protocol version 2.0.	
threeDSMethodURLServer	string	URL address of the 3DS server for connecting browser data to include in the AReq (Authentication Request) request from the 3DS server to the ACS server. This parameter is used for Customer authentication using the 3DS Protocol version 2.0.	
threeDSMethodDataPacked	string	Base64-encoded CReq (Challenge Response) data to send to the ACS server. This parameter is used for Customer authentication using the 3DS Protocol version 2.0.	

Response example:

```
HTTP/1.1 200 OK
Content-Type: application/json
Cache-Control: no-cache
{"errorCode":0,"mdOrder":"b8419699-7f19-744d-800f-e8b00008e652","orderStatus":"DEPOSITED","redirect":"https://test.com/release/merchants/sbersafe/finish.html?orderId=b8419699-7f19-744d-800f-e8b00008e652&lang=ru","status":"SUCCESS"}
```