

Sandbox for testing

To test the connection to the payment gateway of the SberPay method, follow the instructions below.

Basic scenarios

All integration is divided into three main scenarios:

- WEB2APP (mWEB2APP, SMS-checkout) – payment by clicking a button on the payment page
- APP2APP – payment through a third-party mobile app of the store
- BACK2APP – payment through the merchant's services, without using the RBS payment pages

The main idea is to send special requests with a set of parameters necessary for the banking system. This can happen both during order registration (APP2APP, BACK2APP) and after (WEB2APP, mWEB2APP). After the banking system is notified of the order, payment is made on the client's side through the SBOL mobile app. In the gateway, the fact of payment is carried out through the request `/notifyPaymentStatus.do`.

1. WEB2APP (mWEB2APP) scenario

The main difference between WEB2APP and mWEB2APP is the device from which the client made the payment on the payment page.

- WEB2APP. Desktop. After registering an order in the bank's system, the client will receive a push notification with an offer to pay for the order.
- mWEB2APP. Mobile device. After registering an order in the client's bank system, it will immediately redirect to the SBOL application
- SMS-checkout – used if there is a corresponding merchant's permit. After registering the order in the bank's system, the client will receive an SMS notification confirming the payment for the order.

2. App2App scenario

The banking system is notified of the order at the stage of registration in the gateway through the merchant's application. Detailed description of using the [externalParams](#) parameter.

Example of a registration request:

```
GET
../rest/register.do?returnUrl=https://sberbank.ru&amount=120&jsonParams=%7B%
22app2app%22:%22true%22,%22app.osType%22:%22android%22,%22app.deepLink%22:%2
2https://sberbank.ru%22%7D&userName={user-api}&password={password}
```

3. Back2App scenario

The banking system is notified of the order at the stage of registration in the gateway through the merchant's services.

GET

```
../rest/register.do?returnUrl=https://sberbank.ru&amount=120&jsonParams=%7B%22back2app%22%3A%22true%22%7D&userName=781000012764-20162559-api&password=sberbankIFT
```

Notifying the gateway about a change in the status of the SBOL order via a request "notifyPaymentStatus.do"

Examples:

mdOrder – unique order number in the RBS system
bankInvoiceId – order number in the bank system (displayed in order attributes on the detailed information page, sbolBankInvoiceId parameter)

Rejection of order:

POST Content-Type:application/json

https://3dsec.sberbank.ru/dummysbolpayment/sbol/notifyPaymentStatus.do

```
Body: {  
  "bankInvoiceId": "{{bankInvoiceId}}",  
  "orderNumber": "{{mdOrder}}",  
  "stateCode": "DECLINED"  
}
```

Payment for a one-phase order:

POST Content-Type:application/json

https://3dsec.sberbank.ru/dummysbolpayment/sbol/notifyPaymentStatus.do

```
Body: {  
  "bankInvoiceId": "{{bankInvoiceId}}",  
  "orderNumber": "{{mdOrder}}",  
  "stateCode": "DEPOSITED"  
}
```

Payment for a two-phase order:

POST Content-Type:application/json

https://3dsec.sberbank.ru/dummysbolpayment/sbol/notifyPaymentStatus.do

```
Body: {  
  "bankInvoiceId": "{{bankInvoiceId}}",  
  "orderNumber": "{{mdOrder}}",  
  "stateCode": "APPROVED"  
}
```

Reversal:

POST Content-Type:application/json

https://3dsec.sberbank.ru/dummysbolpayment/sbol/notifyPaymentStatus.do

```
Body: {
  "bankInvoiceId": "{{bankInvoiceId}}",
  "orderNumber": "{{mdOrder}}",
  "stateCode": "REVERSED",
  "merchantId": "123",
  "cancelInfo": {
    "cancelCreationDate": "2021-04-03T12:14:12"
  }
}
```

Refund without cart:

POST Content-Type:application/json

https://3dsec.sberbank.ru/dummysbolpayment/sbol/notifyPaymentStatus.do

```
Body: {
  "bankInvoiceId": "{{bankInvoiceId}}",
  "orderNumber": "{{mdOrder}}",
  "stateCode": "REFUNDED",
  "cancelInfo": {
    "cancelCreationDate": "2021-04-03T12:14:12",
    "cancelAmount": {
      "value": 100,
      "currency": "RUB"
    }
  }
}
```

Refund with shopping cart:

POST Content-Type:application/json

https://3dsec.sberbank.ru/dummysbolpayment/sbol/notifyPaymentStatus.do

```
Body: {
  "bankInvoiceId": "{{bankInvoiceId}}",
  "orderNumber": "{{mdOrder}}",
  "stateCode": "REFUNDED",
  "cancelInfo": {
    "cancelCreationDate": "2020-07-03T12:14:12",
    "cancelAmount": {
      "value": 9000,
      "currency": "RUB"
    }
  },
  "itemList": {
    "items": [
      {
```

```

        "itemPositionId": "3",
        "name": "3",
        "amount": 9000,
        "price": 3000,
        "currency": "RUB",
        "count": 3,
        "quantityMeasure": "unit"
    }
}
}

```

Payment with the subsequent creation of a binding:

POST Content-Type:application/json

<https://3dsec.sberbank.ru/dummysbolpayment/sbol/notifyPaymentStatus.do>

Body: {

```

    "bankBindingId": "05e63b91-2038-41da-b7f2-93566ec7bae5",
    "bankInvoiceId": "thdjrhjxBGdGKbMrhA4DIKRoo3D0nQ4q",
    "orderNumber": "b4aed2dc-6f89-78a4-b031-97e400f2b4d1",
    "stateCode": "DEPOSITED",
    "transactionInfo": {
        "authCode": "0316967",
        "bin": "4507",
        "expDate": "202502",
        "maskedNumber": "163",
        "operationDateTime": "2020-11-30T20:05:43",
        "rrn": "711520107063"
    }
}

```

Changing the order status of SBOL through the basic API gateway

Completion of a two-phase order, as well as refunds and reversals for SBOL orders, can be carried out using the basic API gateway and personal account.

Note

- In order to receive code 15 (deactivation of the binding) in response to requests BindingPaymentSberPay and RecurrentPaymentSberPay, it is necessary to use bindings of cards with a PAN ending in **0015**.
- To test the functionality of SBOL bindings, use the following address:
notifyPaymentStatus.do

<https://3dsec.sberbank.ru/dummysbolpayment/sbol/notifyPaymentStatus.do>

