

Request for payment using Samsung Pay (payment.do)

The request used for registering an order is payment.do (see below).

<https://3dsec.sberbank.ru/payment/samsung/payment.do>

Use the standard requests to the payment gateway for the operations of reversal, refund and payment completion.

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

- A<n> - a sequence of Latin letters of length <n>;
- A..<n> - a sequence of Latin letters with a length not exceeding <n>;
- N<n> - a sequence of digits of length <n>;
- N..<n> - a sequence of digits with a length not exceeding <n>;
- AN<n> - a sequence of Latin letters and numbers of fixed length <n>;
- AN..<n> - a sequence of Latin letters and numbers with a length not exceeding <n>;
- ANS<n> - a sequence of Latin letters, numbers and characters of fixed length <n>
- ANS..<n> - a sequence of Latin letters, numbers and characters with a length not exceeding <n>;
- UTC - date and time, in this case: the date must be passed without specifying the time zone, Moscow time, for the SOAP protocol, the standard encoding xs: dateTime is used.

Request parameters

The request parameters are given in table below.

It is necessary to add to the request a header with the definition of the type of contents - «Content-Type: application/json» to ensure that the request is processed correctly.

Name	Type	Mandatory	Description
merchant	AN..255	Yes	Merchant login in the payment gateway.
orderNumber	ANS..32	Yes	Number (identifier) of the order in the store system. It is unique for every store within the Payment Gateway. If the order number is generated on the Payment Gateway side, this parameter is not mandatory.
description	ANS..512	No	Description of the order in free form. To enable sending this field to the processing system, contact the technical support service.
language	A2	No	Language in the ISO 639-1 encoding. If the language is not specified, the default language defined in the store settings is used.

Name	Type	Mandatory	Description
additionalParameters	Not applicable	No	Additional parameters of the order that are stored in the merchant personal account for the subsequent viewing. Additional parameters must be specified in the following format. parameter_name: parameter_value 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
preAuth	A..5	No	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 two-phase payment is made; - false - the parameter is disabled, a one-phase payment is made (funds are debited immediately).
clientId	ANS..255	No	Customer identifier for which a binding for recurring payments is to be created. Specify it only if the payment is dummy and is intended for subsequent recurring payments.
paymentToken	String	Yes	The contents of the 3ds . data parameter from the response received from Samsung Pay.
ip	ANS..39	Yes	IP-address of the buyer. IPv6 is supported in all requests (up to 39 characters).
currencyCode	N3	No	Numeric ISO 4217 code of the payment currency. If this parameter is not specified, it is considered to be equal to the default currency code.
billingPayerData	See description	No	Customer's registration data (street address, postal code). Required for AVS/AVV checks. Mandatory if «AVS/AVV use allowed» permission is enabled for merchant

billingPayerData

billingPayerData block parameters

Name	Type	Mandatory	Description
billingCity	AN..50	No	City registered for the card at the Issuer Bank.
billingCountry	AN..50	No	

Name	Type	Mandatory	Description
billingAddressLine1	AN..50	No	Address registered for the card at the Issuer Bank. Line 1. Mandatory if «AVS/AVV use allowed» permission is enabled for merchant.
billingAddressLine2	AN..50	No	Address registered for the card at the Issuer Bank. Line 2.
billingAddressLine3	AN..50	No	Address registered for the card at the Issuer Bank. Line 3.
billingPostalCode	AN..50	No	Postal code registered for the card at the Issuer Bank. Mandatory if «AVS/AVV use allowed» permission is enabled for merchant.
billingState	AN..50	No	State registered for the card at the Issuer Bank (ISO 3166-2).

Response parameters

The response parameters are given in table below.

Name	Type	Mandatory	Description
success	A..5	Yes	Designates a successful request. The following values are available: • true – request is processed successfully; • false – request failed.
data block (returned only if the request was successful)			
orderId	ANS36	Yes	Identifier of the order in the payment system. It is unique within the system. Missing if order registration failed due to an error detailed in ErrorCode.
error block (returned only if the request resulted in an error)			
code	N3	Yes	Error code.
description	ANS..512	Yes	A detailed technical explanation of the error – the contents of this parameter is not to be displayed to the customer.
message	AN..512	Yes	Comprehensive error description – it is intended for displaying to the user.

Error codes

Error code	Error text
0	The request has been processed without system errors.
1	The funds on the card are not sufficient.
5	Access denied.
5	The user must change the password.
7	System error.
10	Invalid parameter value [paymentToken].
10	Invalid parameter value [orderNumber].
10	Invalid parameter value [merchant].
10	Invalid parameter value [ip].

Error code	Error text
10	Invalid parameter value [paymentToken.header].
10	Encryption of the data passed in unsuccessful.

POST request example

```
{
  "merchant": "OurBestMerchantLogin",
  "orderNumber": "UAF-203974-DE",
  "language": "RU",
  "preAuth": true,
  "description" : "Test description",
  "additionalParameters":
  {
    "firstParamName": "firstParamValue",
    "secondParamName": "secondParamValue"
  },
  "paymentToken":
  "ew0KICB7DQoJICAidmVyc2lvbiI6ICJSU0FfdjEiLA0KCSAgInNpZ25hdHVyZSI6ICJabUZyWlN
  CemFXZHVFwFmY21VPSIsDQoJICAiaGVhZGVyIjogew0KCQkiZXBoZW1lcmFsUHVibGljS2V5Ijo
  gIk1Ga3dFd1lIS29aSXpqMENBUVlJS29aSXpqMERBUWNEUWdBRW14Q2hDcGpLemY5YVh6MjZXVDZ
  aVE4yekUzaUdYUWpjWlJZWUFkUULURFgyUmtBTmJ0N2s5cmFoRjFoempqbWVWVHhjZ0NvZkg4MXp
  rMkd0VFozZHRnPT0iICAgICAgIA0KCQkid3JhcHBlZEtleSI6ICJYeji2V1Q2WlR0MnpFM2lHWFF
  qYz0iDQoJCSJwdWJsaWNLZXlIYXNoIjogIk9yV2dqUkdrcUVXamRrUmRVclhmaUxHRDBoZS96cEV
  lNTEyRkpXckdZRM89IiwNCgkJJnRyYW5zYWN0aW9uSWQiOiAiYXBwbGUtMTIzNDU2Nzg5MEFCQ0R
  FRiINCgkgIH0sDQoJICAiZGF0YSI6ICIxZFhFMTNrdnpUVlA2bldFTjhEMnBoclBsZlFjR3I4VzN
  5ajJTSFlZai9QeWNIVlRqbnBWN3ovRXI3OGJyaT09Ig0KICB9DQp9",
  "ip" : "127.0.0.1"
}
```

Response example

Successful payment

```
{
  "success": true,
  "data": {
    "orderId": "12312312123"
  }
}
```

Failed payment

```
{
  "error": {
    "code": 1,
    "description": "Processing Error",
    "message": "The funds on the card are not sufficient"
  },
  "success": false
}
```