

Google Pay Integration Guide

1. Introduction

Google Pay™ is the fast, simple way that allows you to make card payments without entering card details for each payment. The card data is safely stored by Google. This payment method is available for all devices (mobile phones and computers), regardless of the operating system and web browser.

2. Integration

2.1 Connection via EasyPay (Ukraine)

Preconditions

1. You should [register as shop](#) with EasyPay.
2. You need to agree with Google Pay [Terms of Service](#).

Description

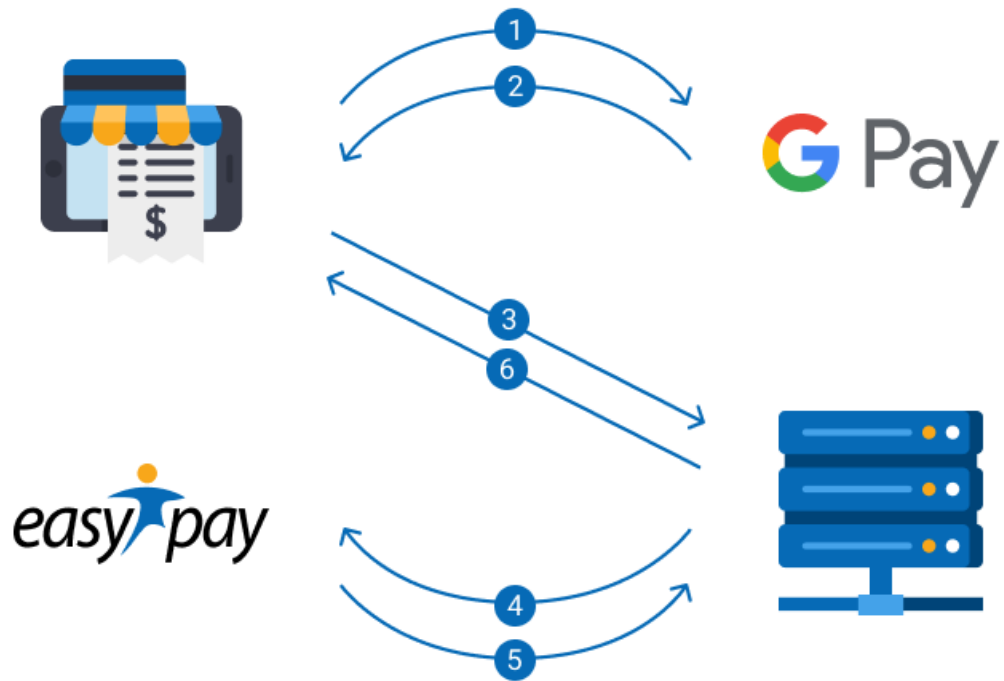
With this connection method, you do not need to perform additional integrations. The Google Pay button will be displayed on EasyPay.ua payment page. You can manage payment methods and the order in which the payment instruments (including Google Pay) are displayed using JSON-request (see section 2.3 of [documentation](#)) or contacting the cooperation manager.

2.2 Connection with Google Pay API

Preconditions

1. You should register with Google Pay API.
2. Your website should use HTTPS and support TLS protocol.
3. To integrate your website or mobile application with the Google Pay, proceed according to the following instructions:
 - API documentation:
 - a) [for mobile application](#)
 - b) [for website](#)
 - Brand guidelines
 - a) [for mobile application](#)
 - b) [for website](#)

How it works?



1. You request the encrypted payment data from your application.
2. Google Pay returns the encrypted data after buyer authentication.
3. You send the encrypted payment data to your server.
4. You send an JSON-request to EasyPay Api containing the encrypted data.
 - a. Call EasyPay Api method CreateApp. Create application and session.
 - b. Call EasyPay Api method CreateOrder.
 - c. Call EasyPay Api payment method and send encrypted data from GPay to EasyPay.
5. We send you the payment response
6. You inform the buyer of the outcome

How to integrate the Google Pay method?

1. Use [Google Pay API](#) to get **PaymentData**

Settings parameters:

- **allowPaymentMethods** : ['CARD', 'TOKENIZED_CARD']
- **tokenizationSpecification** = { "type": "PAYMENT_GATEWAY" }
- **allowedCardNetworks** = ['MASTERCARD', 'VISA'];
- **allowedCardAuthMethods** = ['PAN_ONLY', 'CRYPTOGRAM_3DS'];
- **gateway** = easypay
- **gatewayMerchantId** - A unique identifier of the online shop. Assigned to each partner individually when connected to the EasyPay.ua system.
- **billingAddressRequired** true|false optional parameters. Set to true if you require a billing address. A billing address should only be requested if it's required to process the transaction. Additional data requests can increase friction in the checkout process and lead to a lower conversion rate
- **billingAddressParameters** This object allows you to set additional fields to be returned for a requested billing address. The expected fields returned if **billingAddressRequired** is set to true. { "format": "MIN|FULL", "phoneNumberRequired": true|false }

Sample dataset returned by Google Pay

```
{
  "apiVersionMinor":0,
  "apiVersion":2,
  "paymentMethodData":{
    "description":"Mastercard ••••1164",
    "tokenizationData":{
      "type":"PAYMENT_GATEWAY",
      "token":{"signature":"MEUCeretMPEQPUMnvMOnDAGzsoLVnFnfjmo5ALe/1D
6o7hdzAiEA94L1GfNWW84kbUdHHn+16B6n18VgIA3sdKpQKL36tqk\u003d", "intermediateSig
ningKey":{"signedKey":{"keyValue":"MFkwEwYHKOZIJzj0CAQYIKoZIJzj0DAQcDQgAEem
3biYxltOBuMV+Dd9g+ZhV3VEzP2vAlFXvb9tJoYGLtetxDYWTUqnXPvKGDeAnSNrkPo8hu5kLtxN0
QXCyKqQ\u003d\u003d", "keyExpiration":"1551385212256"}, "signatures":["
MEYCIQD/TWKunZJhG/u3iL2H5P3i9r0rCbPw1/+z9dr/yGytvIhAPfV2zF5cQp/L+42W+JKv6fgQ
KBec67HTTfderefdghJ"]}, "protocolVersion":"ECv2", "signedMessage":{"encrypted
Message":"OidSptk8w+I3FnR1VFmiVswXaZ7ADnmMP1MQelp6GSg0/3aVpAXeLRH/fT1wN7gpx
NPy7tFITeQenrJm3QG19tAPuVhcAVM26DMU6LAmZPyPXPALktpnYrUj6etCjvWWM/1LkhjDBSjtkmp
WRiHIyqj5aud/j8rxFEk06GhwqPWbnJwdCgNf32LJP7bSpUWvHOioaZIV1vdeV6d7iQ6EDWWAS/z9
pXWkqPw//M/TVTrcKFXh4C2TI20+qyBD9VzK3TqU6wS5VsYL69W9/4xzV5L5irpp/wzNfPHkjd8QI
wCsIPuNWBtGm3v+JCaqIA3oK9Sw/5o/gZp/pnOhUdax0VjGEvmbGXs2+ufBChCkh+/BpobbbzVS9T
/DZSlUO2FLANmJsaEQzh74ymtDgP4x9O64RadySW+V71VZMa7FVZ3PFntfa8W89pzIgo6ocSGHQPB
FnExTmSbDpUU0L12wzHkAcZSyngPALjqq\u003d", "ephemeralPublicKey":"BBKgbSbyk
Ny1111QYRmGJEhnCorkt+VoDYLYbAlgoa5WO2uV/M50XqOSG0uxWAvUqrZolQuEX6yZ+dvufLEZt
I\u003d", "tag":"p9ItvOfsQVTzhTPHq6ycYjKX1TtozP/yym4QWWVRVc\u003d"}"
    },
    "type":"CARD",
    "info":{
      "cardNetwork":"MASTERCARD",
      "cardDetails":"1164",
      "billingAddress":{
        "phoneNumber":"+380 93 000 00 11",
        "address3":"","
        "sortingCode":"","
        "address2":"","
        "countryCode":"UA",
        "address1":"ул. ",
        "postalCode":"49107",
        "name":"Super 1",
        "locality":"Київ",
        "administrativeArea":"Київська область"
      }
    }
  },
  "email":"test@easypay.ua"
}
```

The data obtained from **processPayment** should be send to the EasyPay Api

Method: GPay

URL: <https://api.easypay.ua/api/merchant/payment>

Parameters description:

Parameter	Type	Description	Required
instrumentId	int	Instrument id, received from EasyPay Api	Yes
instrumentType	string	Payment type, received from EasyPay Api	Yes
token	string	Token received from the Google Pay system	Yes

Sample dataset sent by GPay method to the Easypay.ua

```
{
  "userPaymentInstrument": {
    "instrumentId": 121545445,
    "instrumentType": "GooglePay",
    "token": {"signature": "MEUCeretMPEQPUMnvMOnDagZsOLVnFnfjmo5ALe/1D6o7hdzAiEA94L1GfNWW84kbUdHHn+16B6n18VgIA3sdkPqKL36tqk\u003d", "intermediateSigningKey": {"signedKey": {"keyValue": "MFkwEwYHKoZIzj0CAQYIKoZIzj0DAQcDQgAEem3biYxltOBuMV+Dd9g+ZhV3VEzP2vAlFXvb9tJoYGLtetxDYWTUqnXPvKGDeAnSNrkPo8hu5kLtxN0QXCykqQ\u003d\u003d", "keyExpiration": "1551385212256"}, "signatures": ["MEYCIQD/TWKunZJhG/u3iL2H5P3i9r0rCbpw1/+z9dr/yGytvwIhAPfV2zF5cqP/L+42W+JKv6fgQKBec67HTtfderefdghJ"]}, "protocolVersion": "ECv2", "signedMessage": {"encryptedMessage": "OidSptk8w+I3FnR1VFmiVswXaZ7ADnmMP1MQelp6GSg0/3aVpAXeLRH/fT1wN7gpxNPY7tFITEQenrJm3QG19tAPuVhcAVM26DMU6LAmZPyPXAktpnYrUj6etCjvWWM/1LkhjDBSjtkmpWRiHIyqj5aud/j8rxFEk06GhwqPwbnJwdCgNf32LJP7bSpUWvHOioaZIV1vdeV6d7iQ6EDWWAS/z9pXWkqpW//M/TVTrcKFXh4C2TI20+qyBD9VzK3TqU6wS5VsYL69W9/4xzV5L5irpp/wzNfPHkjd8QIwcsIPuNWBtGm3v+JCaqIA3oK9Sw/5o/gZp/pnOhUdax0VjGEvmbGXs2+ufBChCkh+/BpobbpzVS9T/DZS1UO2FLANMjSaEQzh74ymtDgP4x9O64RADySW+V71VZMa7FVZ3PFnTfa8W89pzIgo6ocSGHQPBfnExTmSbDpUU0L12wzHkAcZSyngPA1jqg\u003d", "ephemeralPublicKey": "BBKgbSbykNy1111QYRmGJEhnCorkt+VoDY1YbAlg0a5WO2uV/M50XqOSG0uxWAvUqrZolQuEX6yZ+dvuvfLEZtI\u003d", "tag": "p9ItvOfsQVTzhTPHq6ycYjKX1TtozP/yym4QWVVRVck\u003d"} }
  }
}
```

2. Check the integration [checklist](#).

3. Send to GPay mobile application package file (.apk) or link to site with payment page for verification.