

## Payporto public API documentation v.2.2

The API is available for third parties to integrate payment solution provided by Payporto.

### Environment

API address: <https://apay.payporto.io>

API online documentation: <https://apay.payporto.io/swagger/index.html>

### Authentication

Most API endpoints require authentication.

The requests to the API endpoints which require authentication must contain the HTTP header **X-API-Key** with requester API key.

API key can be obtained in merchant profile of the control panel:

<https://cpanel.payporto.io/>

### Endpoints

#### Create customer

API endpoint: <https://apay.payporto.io/customers>

HTTP Method: **POST**

Content Type: **JSON**

Authentication: **required**

Request object:

Name	Description	Required
name	Customer name	yes
email	Customer email	yes
address	Customer address	no
phone	Customer phone	no
memberId	Customer member identifier	no

Response: **Returns created customer**

#### Update customer

API endpoint: <https://apay.payporto.io/customers>

HTTP Method: **PUT**

Content Type: **JSON**

Authentication: **required**

Request object:

Name	Description	Required
name	Customer name	yes
email	Customer email	yes
address	Customer address	no

phone	Customer phone	no
memberId	Customer member identifier	no

Response: **Return updated customer**

## Payments

Create payment request

API endpoint: <https://apay.payporto.io/payment-requests>

HTTP Method: **POST**

Content Type: **JSON**

Authentication: **required**

Request object:

Name	Description	Required
amount	Payment amount	yes
unit	Payment currency For example, USD, EUR, BTC, USDT	yes
referenceId	Custom field with reference details	no
notes	Payment notes	no
client	Payment sender customer object	yes
notifyUrl	Webhook URL to notify about a payment status. Overrides merchant level notify URL defined in a merchant profile	no
successUrl	Redirect URL on success payment for payment request. Overrides merchant level notify URL defined in a merchant profile	no
failureUrl	Redirect URL on fail payment for payment request. Overrides merchant level notify URL defined in a merchant profile	no

Customer object:

Name	Description	Required
id	Customer identifier (can be obtained from merchant wallet in the control panel, or from create/update customer API response). NOTE: If this field is provided then API will use existing customer as a payment sender and update this customer. If this	no

	field is not provided then API will create new customer and use it as a payment sender.	
name	Customer name	yes
email	Customer email	yes
address	Customer address	no
phone	Customer phone	no
memberId	Customer member identifier	no

Request query parameters:

Name	Description	Required
send	Boolean parameter which specifies if created payment request should be sent to the customer email directly	no

Response: **Returns created payment request**

Response fields:

Name	Description
id	Payment request identifier
recipientName	Payment recipient name
paymentRequestStatusId	Payment request status: 1 – paid 2 – unpaid 3 – cancelled
link	Payment request link to a customer facing Web page with payment request details
amount	Payment amount
unit	Payment currency
referenceId	Custom field with reference details
notes	Payment notes
payerCountry	Payer country code by ISO-3166-1 alpha 2. For example, US
client	Payment sender customer object
notifyUrl	Webhook URL to notify about a payment status
successUrl	Redirect URL on success payment for payment request
failureUrl	Redirect URL on fail payment for payment request

Get payment request status

API endpoint: <https://apay.payporto.io/payment-requests/status/%7bid%7d>

HTTP Method: **GET**

Content Type: **JSON**

Authentication: **required**

Request: {id} should be replaced with payment request identifier retrieved on payment request creation request.

Response: **Returns payment request**

Response fields:

Name	Description
id	Payment request identifier
recipientName	Payment recipient name
paymentRequestStatusId	Payment request status: 1 – paid 2 – unpaid 3 – cancelled
transactionId	Created transaction internal identifier
transactionNumber	Created transaction public identifier
transactionStatusId	Created transaction status: 0 – waiting 1 – approved 2 – declined 3 – pending
link	Payment request link to a customer facing Web page with payment request details
amount	Payment amount
unit	Payment currency
referenceId	Custom field with reference details
notes	Payment notes
client	Payment sender customer object
notifyUrl	Webhook URL to notify about a payment status
successUrl	Redirect URL on success payment for payment request
failureUrl	Redirect URL on fail payment for payment request
lastLog	Last payment attempt status and message – log object

Log object:

Name	Description
transactionStatusId	Last payment attempt transaction status: 0 – waiting 1 – approved 2 – declined 3 – pending
message	Last payment attempt message

#### Payment return URLs

Merchant profile in the control panel has two fields 'Success URL' and 'Failure URL' which define target URLs to return after success or failed payment process.

#### Payment notification

Merchant profile in the control panel has the field 'Notify URL' which defines target URL to send payment request status on payment complete. Payment request status will be sent with HTTP POST method and content type application/x-www-form-urlencoded.

Payment request status fields:

Name	Description
id	Payment request identifier
transactionId	Payment request transaction identifier

transactionStatusId	Payment request transaction status: 1 – approved 2 – declined
paymentRequestStatusId	Payment request status: 1 – paid 2 – unpaid
merchantId	Merchant identifier (can be obtained in merchant profile of the control panel)
unit	Payment currency
grossAmount	Payment gross amount including payment fee amount
fee	Payment fee amount
netAmount	Payment net amount which will be deposit to merchant wallet
referenceId	Custom field with reference details
notes	Payment notes
clientId	Payment sender customer identifier
clientName	Payment sender customer name
clientEmail	Payment sender customer email
clientPhone	Payment sender customer phone
clientMemberId	Payment sender customer member identifier
message	Payment failure reason message

Example of payment notification in raw format:

`id=16772761082427695&transactionId=265111&transactionStatusId=1&paymentRequestStatusId=1&merchantId=16762420400394816&unit=USD&grossAmount=10&fee=0.5&netAmount=9.5&referenceId=12345&notes=Payment notes&clientId=16772748432912191&clientName=Client Name&clientEmail=client@email.com&clientPhone=1234567890&clientMemberId=12345&message=Stolen Card`

#### Payment notification verification

Payment notification contains HTTP request header **X-Signature** with notification signature. Payment notification signature is HMAC SHA512 has in Base64 format.

Signature calculation pseudo code:

hash = hmac\_sha512(key, payload)

signature = base64(hash)

where,

payload – payment notification HTTP request payload.

Payload example,

`id=16772761082427695&transactionId=265111&transactionStatusId=1&paymentRequestStatusId=1&merchantId=16762420400394816&unit=USD&grossAmount=10&fee=0.5&netAmount=9.5&referenceId=12345&notes=Payment notes&clientId=16772748432912191&clientName=Client Name&clientEmail=client@email.com&clientPhone=1234567890&clientMemberId=12345&message=Stolen Card`

key – API key that can be obtained in merchant profile of the control panel. API key uses for API requests authentication by placing in the HTTP header **X-API-Key**.

#### Verify payment request transaction

API endpoint: <https://apay.payporto.io/transactions/{id}>

HTTP Method: **GET**

Content Type: **JSON**

Authentication: **required**

Request: {id} should be replaced with payment request transaction identifier retrieved on payment request status notification.

Response: **Returns payment request**

Response fields:

Name	Description
id	Payment request identifier
transactionId	Payment request transaction identifier
merchantId	Merchant identifier (can be obtained in merchant profile of the control panel)
unit	Payment currency
grossAmount	Payment gross amount including payment fee amount
fee	Payment fee amount
netAmount	Payment net amount which will be deposit to merchant wallet
referenceId	Custom field with reference details
notes	Payment notes
client	Payment sender customer object

### Payment URL

Payment URL returning on a payment request creation allows to predefine payer details like name, email, address and phone by adding optional query parameters.

Available query parameters to define in a payment URL:

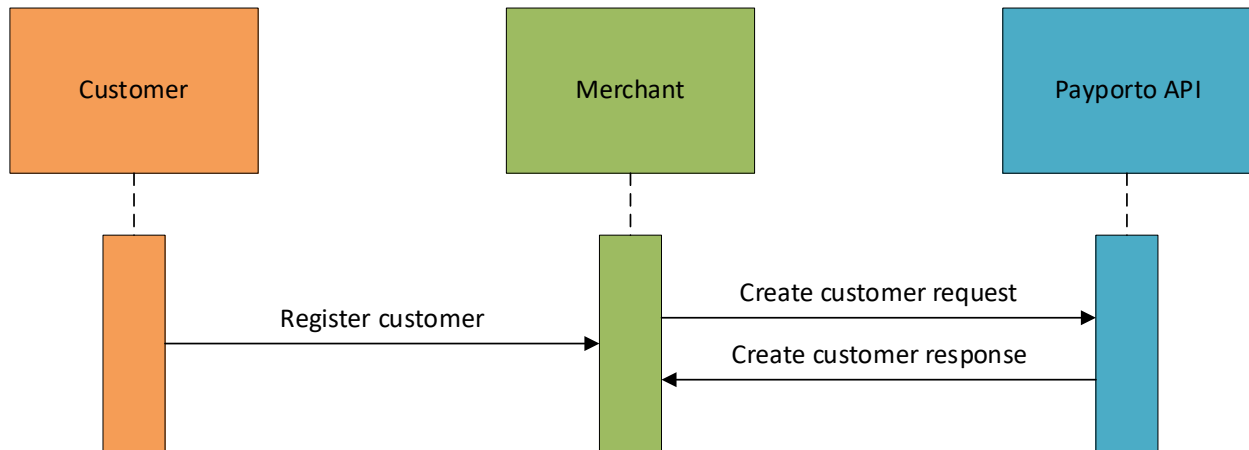
Name	Description	Required
fname	First name	No
lname	Last name	No
email	Email address	No
code	Phone country code. Code can be leaded with plus (+) or without. For example, codes 33 and +33 are both valid and equal. <a href="#">List of country calling codes</a>	No
phone	Phone number	No
address	Address. For example, 123 Some Street	No
city	City	No
state	State, province, district or region	No
zip	Postal code	No
country	Country 2-letter ISO code. <a href="#">ISO 3166-1 alpha-2</a>	No

For example, set first name and last name as John Doe to pre-populate payment details fields:

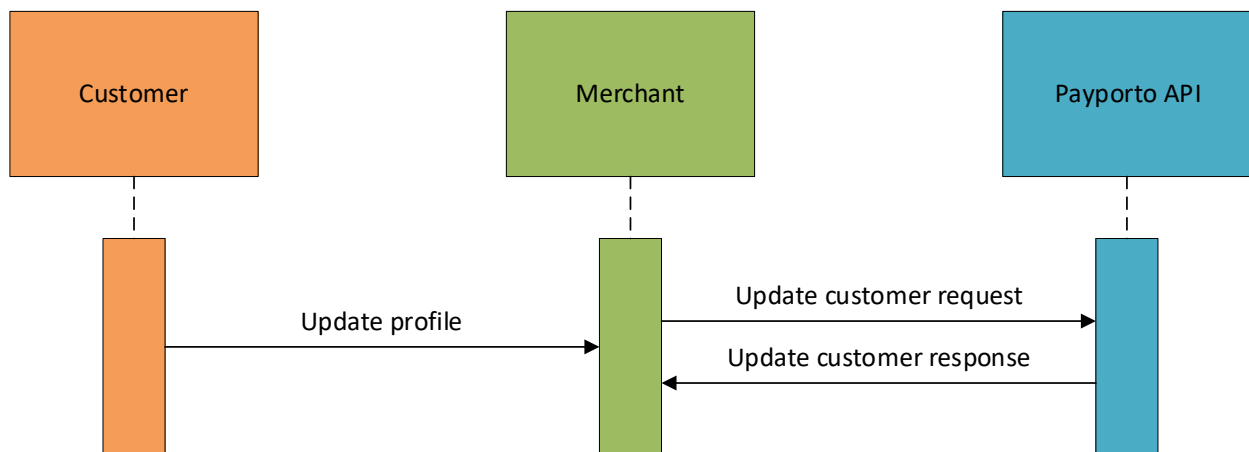
<https://pay.payporto.io/payment/?merchantId=1&requestId=2&fname=John&lname=Doe>

## Customer management flow

### Customer creation flow on registration



### Customer update details on profile update



## Payment flow

