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Payment Link API

RESTful JSON Tech-doc





Introduction

This API is used to generate payment links that can be used in online or offline environments such as accounting software or on invoices to be paid.

The following symbols are used in this document:



API call is authenticated

Intended Audience

This document is intended to assist developers who want to integrate this API into their own systems. A basic knowledge of RESTful web services and the HTTP stack is recommended.

Connectivity

The URL to connect to this API is:

<https://api.cmpayments.com>

Authentication

This API uses OAuth 2.0 for authentication.

You will need a client id and client secret to authenticate. This API uses the “client credentials” grant type for generating access tokens. See the token API call in the documentation below on how to request this token.

Once a valid access token has been obtained, it can be provided in the Authorization header of an API request as a bearer token:

```
Authorization: Bearer <access_token>
```

**POST** /auth/v1/token

Request an OAuth 2.0 access token based on the provided credentials.

Body (x-www-form-urlencoded):

```
grant_type: "client_credentials"  
client_id: "<username>"  
client_secret: "<password>"
```

Parameters

Name	Required	Type	Description
grant_type	Yes	String	Fixed string "client_credentials"
client_id	Yes	String	The username part of the credentials
client_secret	Yes	String	The password part of the credentials

Response:

```
{  
  "access_token": "MTQ0NjJkYmQ5OTM2NDE1ZTZjXGZmZjI7",  
  "token_type": "bearer",  
  "expires_in": 86400  
}
```

Name	Type	Description
access_token	String	The actual token that was issued
token_type	String	Fixed string "bearer"
expires_in	Integer	Number of seconds the issued token is valid

Code	Description
200	Authentication successful
401	Authentication failed

**POST** /paymentlink/v1.0

Creates a new payment link

Body (Raw / JSON):

```
{
  "amount": 10.00,
  "callback_url": "https://merchant.url/callback",
  "country_code": "NL",
  "currency_code": "EUR",
  "expiry_date": "2022-02-22T22:00:00+00:00",
  "invoice_due_date": "2022-02-22T22:00:00+00:00",
  "invoice_reference": "<INVOICE_REFERENCE>",
  "language_code": "NL",
  "merchant_reference": "<MERCHANT_REFERENCE>"
}
```

Parameters

Name	Required	Type	Description
amount	Yes	Number	The amount due for payment in the currency code specified
callback_url	No	String	Merchant specific URL to be called when the status of the payment link changes Defaults to callback URL that is configured on merchant level
country_code	No	String	Optional ISO 3166-1 alpha-2 country code to indicate which country specific payment options should be displayed. Defaults to the country code that is derived from the IP address of the visitor
currency_code	No	String	Optional ISO 4217 alpha-3 currency code to indicate which currency the amount is in Defaults to EUR (Euro)
expiry_date	No	String	Optional ISO 8601 timestamp to indicate the expiry date of the payment link Defaults to no expiry date
invoice_due_date	No	String	Optional ISO 8601 timestamp to indicate the due date of the associated invoice
invoice_reference	No	String	Optional reference of the associated invoice



language_code	No	String	Optional ISO 639-1 alpha-2 code of the language the payment link page should be rendered in
			Defaults to EN (English)
merchant_reference	Yes	String	The merchant reference to the payment link

Response:

```
{
  "amount": 10.00,
  "callback_url": "https://merchant.url/callback",
  "country_code": "NL",
  "currency_code": "EUR",
  "expiry_date": "2022-02-22T22:00:00+00:00",
  "invoice_due_date": "2022-02-22T22:00:00+00:00",
  "invoice_reference": "<INVOICE_REFERENCE>",
  "language_code": "NL",
  "merchant_reference": "<MERCHANT_REFERENCE>",
  "ref": "pml-f4b63861-9af3-4b20-a414-59dd9a7887c5",
  "active": true,
  "status": "open",
  "uri": "https://www.cmpay.nl/pml/3F7XHG7"
}
```

See GET request for an overview of the response fields

Code	Description
201	Payment link created successfully



PATCH /paymentlink/v1/<reference>



Update a payment link. Most often used to deactivate the payment link because payment is no longer needed or paid elsewhere

Body (Raw / JSON):

```
{
  "active": false
}
```

Parameters

See parameters used in the POST paymentlink call.
In addition, the following parameters may be set:

Name	Required	Type	Description
active	No	Boolean	Indication if the link is active or not

Response

```
{
  "amount": 10,
  "callback_url": "https://merchant.url/callback",
  "country_code": "NL",
  "currency_code": "EUR",
  "expiry_date": "2022-02-22T22:00:00+00:00",
  "invoice_due_date": "2022-02-22T22:00:00+00:00",
  "invoice_reference": "<INVOICE_REFERENCE>",
  "language_code": "NL",
  "merchant_reference": "<MERCHANT_REFERENCE>",
  "ref": "pml-f4b63861-9af3-4b20-a414-59dd9a7887c5",
  "active": false,
  "status": "open",
  "uri": "https://www.cmpay.nl/pml/3F7XHG7"
}
```

Code	Description
200	Payment link successfully updated



GET /paymentlink/v1/<reference>



Retrieve a payment link

Response

```
{
  "amount": 10.00,
  "callback_url": "https://merchant.url/callback",
  "country_code": "NL",
  "currency_code": "EUR",
  "expiry_date": "2022-02-22T22:00:00+00:00",
  "invoice_due_date": "2022-02-22T22:00:00+00:00",
  "invoice_reference": "<INVOICE_REFERENCE>",
  "language_code": "NL",
  "merchant_reference": "<MERCHANT_REFERENCE>",
  "ref": "pml-f4b63861-9af3-4b20-a414-59dd9a7887c5",
  "active": true,
  "status": "open",
  "uri": "https://www.cmpay.nl/pml/3F7XHG7"
}
```

Code	Description
200	Payment link successfully updated
404	Payment link not found



Response Field Glossary

Name	Type	Description
amount	Number	The amount due for payment in the currency code specified
callback_url	String	Merchant specific URL to be called when the status of the payment link changes
country_code	String	ISO 3166-1 alpha-2 country code to indicate which country specific payment options should be displayed
currency_code	String	ISO 4217 alpha-3 currency code to indicate which currency the amount is in
expiry_date	String	ISO 8601 timestamp to indicate the expiry date of the payment link
invoice_due_date	String	ISO 8601 timestamp to indicate the due date of the associated invoice
invoice_reference	String	Reference of the associated invoice
language_code	String	ISO 639-1 alpha-2 code of the language the payment link page should be rendered in
merchant_reference	String	The merchant reference to the payment link
ref	String	Unique CM reference to the payment link
active	Boolean	Indication if the payment link is active or not
status	String	Payment status, can be "open", "paid"
uri	String	The web address of the payment link



GET /paymentlink/v1/<reference>/status



Retrieve the payment status of a payment link

Response

```
{  
  "status": "paid"  
}
```

Code	Description
200	Status successfully retrieved
404	Payment link not found



POST `<https://merchant.url/callback>`

Callback to the merchant each time one or more payment links change status

Body (Raw / JSON):

```
{
  "paymentlink_refs": [
    "pm1-f4b63861-9af3-4b20-a414-59dd9a7887c5"
  ]
}
```

Parameters

Name	Type	Description
paymentlink_refs	Array	An array of paymentlink references that have a changed status

Upon receiving this callback, the merchant can use the `/paymentlink/v1/<reference>/status` API endpoint to retrieve the payment status of each paymentlink