flot

MERCHANT DOCS · V1.0

PAYMENT GATEWAY · INTEGRATION GUIDE

Accept payments through the Flot network.

A complete instruction set for merchants to integrate the Flot payment gateway from KYC and key generation to payment links and webhooks.

AUDIENCE	ENVIRONMENT	RELEASED
Flot Merchants	Production API	April 2026

INTRODUCTION

Flot as your payment processor.

Flot can act as a payment processor. The Flot API integrates directly into your merchant website so payment links can be generated on demand, paid through the Flot app.

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SECTION 01

Technical requirements for the merchant application.

Before integrating with Flot, your application must satisfy two requirements: every order needs a stable identifier, and you must expose a webhook endpoint that Flot can notify when an order is processed.

REQ · 01

Each order needs an ID

In order to have a merchant order processed by Flot, every order must carry a unique identifier in your system. This identifier is what Flot references throughout the lifecycle.

REQ · 02

Webhook endpoint to track status

Implement an endpoint that receives webhook notifications so order status can be tracked once Flot finishes processing.

Webhook endpoint specification

- The endpoint must accept the `POST` method.
- The endpoint must be protected with Basic authorization.
- The endpoint must be highly available - Flot Backend sends a webhook notification only once after order processing.

> **One-shot delivery.** Because Flot does not retry webhooks, treat the endpoint as a critical path. Queue the request immediately on receipt and acknowledge with a `2xx` response before any heavy processing.

What good looks like

An endpoint behind a load balancer with redundancy, request logging, and idempotent handling of repeated `orderId` + `flotRequestId` combinations. Treat the webhook as the source of truth that flips your order from `pending` to a terminal state.

SECTION 02

Steps for the merchant to follow.

01 **Register as a user** in the Flot application.

02 **Upgrade KYC level** to the maximum level possible. This will increase the maximum possible order amount available to your merchant account.

03 **Generate a pair of RSA-4096 keys** (this can be done with OpenSSL).

a. Generate a private key:

```bash
openssl genpkey -algorithm RSA -out private_key.pem -pkeyopt rsa_keygen_bits:4096
```

b. Extract the matching public key:

```bash
openssl rsa -pubout -in private_key.pem -out public_key.pem
```

c. Ensure secure storage of the private key on your server, it will be used to generate signatures when requesting payment links.

d. Prepare a Base64-encoded version of the public key:

```bash
cat public_key.pem | base64
```

Continued on the next page → Step 04: contacting Flot Staff.

SECTION 02 · CONTINUED

Contact Flot Staff to finish onboarding.

The final onboarding step requires direct coordination with Flot. Reach out using either of the numbers below to have your merchant account created and your destination wallets assigned.

04 **Contact Flot Staff** at `+232 80 800100` or `+232 99 800100` to create a merchant ID and assign destination wallets.

a. By default, orders can be paid in the Flot app.

b. If you want orders to also be payable by credit card, specify this when contacting Flot Staff.

c. Provide Flot Staff with: *merchant name*, *webhook URL*, *webhook basic-auth credentials*, and the *Base64-encoded RSA-4096 public key*.

d. Ask Flot Staff to provide your **Merchant ID** — required when requesting payment links.

i **Keep your Merchant ID safe.** You'll reference it on every payment-link request, alongside the signature generated with your private key.

SECTION 03

Payment link generation.

Payment links are generated by making a request to the payment-link generation endpoint. Refer to the API documentation for the full request and response schema.

PRODUCTION BASE URL

```
BASE  https://api.app.flotme.ai
```

PRODUCTION PAYMENT LINK ENDPOINT

```
POST  https://api.app.flotme.ai/merchants/private/v1/payment-links
```

Signature computation

The payment-link generation endpoint requires the `X-Flot-Merchant-Signature` header. Compute its value from the request body using the following pipeline:

STEP 1	STEP 2	STEP 3	STEP 4
RSA-4096	**SHA-512**	**PSS Padding**	**Base64**
Encrypt with private key	Hash the body	Probabilistic signature	Encode the signature

HEADER FORMAT

```
X-Flot-Merchant-Signature: <base64( RSA-4096-PSS( SHA-512( requestBody ) ) )>   HEADER
```

> **Use the same private key** whose public counterpart you submitted during onboarding. Any mismatch will cause Flot to reject the request before processing.

SECTION 04

Outgoing webhooks.

Authentication

Basic authentication should be used on the merchant side. Flot includes the credentials you provided at onboarding in every webhook request.

Payload structure

APPLICATION/JSON

```
{
  "orderId": "order-123",
  "flotRequestId": "123456",
  "status": "completed"
}
```

FIELD	TYPE	DESCRIPTION
`orderId`	string	Order ID in the merchant's system.
`flotRequestId`	string	Unique transfer request ID in Flot.
`status`	enum	One of `completed` or `failed`.

Handling `failed` status. If a webhook arrives with `status = failed`, the end-user experienced a payment error while paying with credit card. The end-user can retry the payment later — when your backend receives this status, leave the order in `pending` state rather than marking it failed.

Retry policy

As of now, Flot Backend sends a webhook notification **only once**. Design your endpoint for high availability and acknowledge requests promptly with a `2xx` response, queuing any heavy work asynchronously.

NEED HELP?

Reach Flot Staff for onboarding & support.

+232 80 800100 · +232 99 800100