Floxypay Integration Documentation - Version 1.1

Welcome to the integration documentation for Floxy API - Version 1.1! This document will guide you on how to integrate your application with Floxy's services using the provided credentials. Below, you'll find details on each API endpoint, encryption/decryption techniques, and security measures.

Credentials Provided by Floxy

Before you start integrating with Floxy's API, you must have the following credentials provided by Floxy:

1. **Agent Code**: This is a unique identifier assigned to your account and should be used for authentication purposes.
2. **Secret Key**: The Secret Key serves as a secure authentication token and should be kept confidential. It will be used to sign requests and validate responses.

Details Needed from Floxy Merchant (API Consumer)

If you are a merchant integrating with Floxy's API, the following details are required to set up the integration successfully:

1. **Webhook URL**: A URL provided by the merchant where Floxy's API will send real-time notifications (webhook events) when the status of payin (incoming payment) transactions changes. The merchant's server should be ready to handle incoming webhook events and process the data accordingly.

2. **Merchant's Server IP(s) for Whitelisting (Optional)**: For additional security, merchants can provide the IP addresses of their servers that will be communicating with Floxy's API. By whitelisting these IPs on the Floxy side, only requests from these trusted sources will be allowed, enhancing the security of the integration.

3. **Redirect URL**: A URL provided by the merchant to which the user will be redirected after completing a payment. This is typically used for payin transactions where the user needs to be redirected back to the merchant's website or application after a successful payment.

4. **Payout URL**: A URL provided by the merchant that Floxy's API will call when the status of payout (outgoing payment) transactions changes. This allows the merchant to receive real-time updates about payout transaction statuses.

Note: If Floxy's API sends encrypted data in the webhook response, the same Secret Key provided during the integration should be used to decrypt the response and process the data accordingly.
By providing these details and setting up the integration correctly, the merchant can ensure seamless and secure communication with Floxy's API, enabling efficient processing of payin and payout transactions.

Encryption/Decryption Technique

Floxy's API uses the AES-256-CBC encryption technique with a cipher key length of 16 bytes for encryption and decryption of sensitive data. The encryption process involves encrypting the data using the provided SECRET_KEY and SECRET_IV, followed by base64 encoding. For decryption, the reverse method of encryption is used to decode and decrypt the data.

Encryption Technique = aes-256-cbc
Cipher key length = 16
For encryption: Encrypt DATA with **SECRET_KEY** and **SECRET_IV** with base64 encode
For decryption: Use a reverse method of encryption.

Security-Content:
To ensure secure transactions, encryption with the provided **SECRET_KEY** and **SECRET_IV** is mandatory for the request body. Responses can be decrypted using the same method. These credentials must be kept confidential and implemented solely on the server-side (backend) to prevent user tampering. To enhance security, implement the Verify web service and Webhook/callback as a secondary confirmation of transaction response. Details on integrating the Verify web service and webhook can be found further in this document. Following these measures will safeguard your integration with Floxy and ensure a safe transaction experience.

METHOD: Order Generate

The live endpoint URL for the Order Generate API is

https://crapi.floxypay.io/v1/order/generate

POST Request

To generate an order, you should make a POST request to the following endpoint:

Headers

Make sure to include the following header in your POST request:

```
Content-Type: application/json
```

Request Body

The request body should be a JSON object containing the required data to generate the order. Below is an example of the expected request body:

```
{
  "reqData":
"XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj7
1vBm49xcII0+RujFr3PQ==",
  "agentCode": "CXxxxxxxD3"
}
```

Encrypted Query

The encrypted query should be a JSON object containing payment-related information. Below is an example of the encrypted query:

```
{
  "amount": "xxxx",
  "orderid": "xxxxxxxxxxx"
}
```

Response

Upon successful order generation, the API will respond with a JSON object containing the encrypted response data:

```
{
  "data":
"XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj7
1vBm49xcIl0+RujFr3PQ==",
  "status": "true/false"
}
```

Encrypted Response

The encrypted response contains sensitive information related to the generated order. It should be decrypted using appropriate methods on your end. The decrypted response will be in the following format:

```
{
  "url": "payment url",
  "orderid": "floxy_id",
  "merchantid": "merchnat_id"
}
```

Method: Order Status

This API allows you to check the status of a previously generated order

The live endpoint URL for the Order Status API is:

https://crapi.floxypay.io/v1/order/status

POST Request

Headers

Make sure to include the following header in your POST request:
Content-Type: application/json

Request Body

The request body should be a JSON object containing the required data to check the order status. Below is an example of the expected request body:

```
{
  "reqData":
"XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj7
1vBm49xcII0+RujFr3PQ==",
  "agentCode": "CXxxxxxxD3"
}
```

Encrypted Query

The encrypted query should be a JSON object containing the order ID for which you want to check the status. Below is an example of the encrypted query:

```
{
  "order_id": "xxxxxxxxxxxxxxxxxxx"
}
```

Response

Upon successful request, the API will respond with a JSON object containing the encrypted response data:

```
{
  "data":
"XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj7
1vBm49xcII0+RujFr3PQ==",
  "status": "true/false"
}
```

Encrypted Response

The encrypted response contains sensitive information related to the order status. It should be decrypted using appropriate methods on your end. The decrypted response will be in the following format:

```
{
  "amount": "0.00",
  "status": "PENDING/SUCCESS/FAILED",
  "currency": "XXX",
  "orderid": "floxy_id",
  "merchantid": "merchnat_id"
}
```

Withdrawal Account (India Only) API Documentation

Live Endpoint URL

The live endpoint URL for the Withdrawal Account API (India) is:

https://crapi.floxypay.io/v1/withdrawal/account

POST Request

Headers

Make sure to include the following header in your POST request:
Content-Type: application/json

Request Body

```
{
  "reqData":
"XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj7
1vBm49xcIl0+RujFr3PQ==",
  "agentCode": "CXxxxxxxD3"
}
```

Encrypted Query

```
{
  "account": "xxxxx",
  "ifsc": "xxxx",
  "name": "xxx",
  "mobile": "xxxx",
  "amount": "xxx.xx",
  "note": "xxxx",
  "orderid": "xxxxxx"
}
```

Response

```
{
  "data": "XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj71vBm49xcII0+RujFr3PQ==",
  "status": "true/false"
}
```

Encrypted Response

```
{
  "success": true/false,
  "message": "xxxxxxxxxxx",
  "ordered": "xxxxxxx",
  "merchantid": "xxxxxxxxx"
}
```

Withdrawal Status API Documentation

This API allows you to check the status of a withdrawal transaction.

Live Endpoint URL

The live endpoint URL for the Withdrawal Status API is:

https://crapi.floxypay.io/v1/withdrawal/status

POST Request

Headers

Content-Type: application/json

Request Body

```
{
  "reqData": "XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj71vBm49xcII0+RujFr3PQ==",
  "agentCode": "CXxxxxxxD3"
}
```

Encrypted Query

```
{
  "order_id": "xxxxxxxxxxxxxxxxxxx"
}
```

Response

```
{
  "data":
"XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj71vBm49xcII0+RujFr3PQ==",
  "status": "true/false"
}
```

Encrypted Response

```
{
  "success": true,
  "amount": "xx.xx",
  "status": "SUCCESS/FAILED/PENDING",
  "addedOn": "xxxx",
  "transferMode": "xxxxx",
  "orderid": "xxxxx",
  "merchantid": "xxxx",
  "utr": "xxxxx"
}
```

METHOD:Webhook Integration

To implement the webhook at the merchant side, follow these guidelines. The URL provided by the merchant will be shared with Floxy. Whenever a transaction status changes, Floxy's server will call this webhook to send transaction-related data.

Webhook Details:

- **Request Type:** POST

- **Header:** 'Content-Type': 'application/json'

- **Body:** {reqData":"XSgx+S2ud8ObFLxQHA3Ufe9EtrmPuM3+NDmXOUY50VKbGhOYtSIP5T7PMX8pa2rAj71vBm...}

- **Decrypted Body of query Value:** { amount:xx.xx, currency:xxx, method: xxx, status: 'SUCCESS/FAILED', merchantid:”xxxxxxx”, ordered:”xxxxxx” }

Webhook Response:

The merchant's webhook must send two possible responses:

1. **Success Response (Received Data):** If the merchant has successfully received and processed the webhook data, the webhook should respond with status 'SUCCESS.'
2. **Failure Response (Data Not Received/Pending):** If the webhook did not receive the data or is still processing, the webhook should respond with status 'FAILED.'

Using these response statuses, Floxy's server can understand whether the merchant has received and processed the webhook data or if it's still pending.

By implementing this webhook integration, the merchant can receive real-time transaction updates from Floxy, ensuring seamless and secure transaction processing.