QR Scan Codes HPP Getting Started Guide

Introduction

The QR Code Hosted Payment Page can be added to your integration for printing on receipts, bills or screen displayed on telemed screens. These are just a few ways you can leverage this feature. At its very minimum and basic configuration, the QR Code HPP payment form can often be implemented in just a few easy steps.

Overview

1. Make API GET call to list the HPP payment forms available in your organization
2. Make API POST call to generate the QR Code

Request details:

URL: https://settings-sandbox.paymentfusion.com/hpps

Verb: GET

Headers:

- **Authorization:** Needs to include `Basic` word before Base64 encoded `api_id:api_token`. The `api_id` is the identifier of the organization created on TAP; size range - `20`. The `api_token` is the unique token previously generated by TAP and provided securely to the organization; size range - `3`
  Example: `Basic ODA5BVgrNdZkZmbiFlJlTThkYTA2eG00MzA5dHh1bWZnZgfdZDE=`
- **Accept:** Specifies the requested API version. If this field is not specified or has an invalid format, the call will be routed to a previous version. If the previous version does not exist, a 404 page will be displayed.
  Example: `application/vnd.paymentfusion.v3.0.0+json`
- **Content-Type:** application/x-www-form-urlencoded
- **Cache-Control:** no-cache Host: settings-sandbox.paymentfusion.com
- **Accept-Encoding:** gzip, deflate
- **Connection:** keep-alive

This will return a list of Hosted Payment Pages available to the organization, including the name of the payment form, as well as an identifier (corresponding to the HPP Source ID on our server). (Most organizations will return only one HPP source). There is no request body specified on this call. Based on the **Authorization** parameter **(API ID:API Token** – base64 encoded), the API call will know which HPP payment forms are associated with your organization.

Response Body:

```
{
  "hpps": [
  {
    "name": "hpp_paymentform",
    "identifier": "6935274"
    }
    ],
  "v": "1.0.0"
}
```

The **identifier** is the field value that you will pass in to the **id** parameter on the next API call to generate the Hosted Payment Page payment URL link.

Request details:

URL: https://tb-sandbox.paymentfusion.com/scan_codes

Verb: GET

Required Parameters:

The **transaction_type**, **amount**, and **id** parameters listed below are required; however, it is highly recommended to include the **approved_redirect** and the declined_redirect parameters because if they are not specified, then a default response template with limited formatting will serve as a "catch-all" webpage and may not be informative enough for your end-users

- **id**= The HPP identifer for the transaction. This is the identifier field value returned in Step #1 and is unique to your organization Example: 6935274
- **transaction_type**= The type of transaction that will be performed. Enum Auth, Sale, SaveOnly
- **amount**= The amount in USD up to 6 decimals that will be charged, must be a number greater than 0 and its last 4 digits must be 0. (e. g. "1", "1.00", "1.01", "1.2", "1.230000").
- **type**= The type of scan code that will be returned. Enum: qr_code

Recommended Parameters:

- **remote_id**= Used for keeping track of a 3rd party identifier alongside the transaction object. This is typically used by the ISV to assign its own identifier to the transaction for easy matching in case any network issues appear. This is not validated for uniqueness.
- **callback_url_1**= One of the three URLs where Transaction Broker will POST to when a HPP request is completed. This eliminates the need for polling for the request's status. Only HTTPS URLs are allowed. The callback will the callback will retry if the host is unresponsive. The response received from the callback url must have the response code 2xx. Basic auth credentials may be added in to url ie. 'https://username:password@address.com' or as an url param 'https://address.com?token=secret'.

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- **Cache-Control:** no-cache Host: tb-sandbox.paymentfusion.com
- **Accept-Encoding:** gzip, deflate
- **Connection:** keep-alive

Body:

```
{
  "id":"",
  "transaction_type":"Sale",
  "amount":"Sale",
  "type":"qr_code",
  ...
  "remot_ID":"23131",
  "callback_url_1":""
}
```

Response Body:

```
{
    "id": "MTY5NjoxNTZlMTU0NS1jNWUzLTQzZTgtYjZmNy01YmFkMjkwNDk2MzE=",
    "scan_code": "iVBORw0KGgoAAAANSUhEUgAAAHgAAAB4AQAAAARHwt
/AAACMUlEQVR4nGP6jwqYGFDBKH/48f8zpxpZ3WRqhMv/+HpxiiSLHZw/Udlb0IDlCZz
/37HcsW4LknnHDybPqkDwC+5o70yrk4HzObx+5XN/PwTjM
/7NTphwja0eLn8nt+2kx+SjcPd0uvic39jyB67+3NTNS07q9cHVh06e8jBxwky4+uBzne4XH
Z
/B5aMvVfoclGWE83XWbjwTo7gZwdcOPnHb8C7cfB2Zb+oztyfBzfN5XTr7SaEnXH0L68bH0v
OPw/l6P41P+X/qhfNft
/R961XPgpv39RDJlfuvEPYHHVZobT11DW7+4Rmqkt5sl+Dq29aWa9lbRcHlY34dV1wR1AmXF
xKdmrjAdANcvm
/xn52no97A5ecwLSsU2XcA4d7NfhOar5jD+ZPclY4KhcjB+fW+7MdapSLh5r28OPGa7DotuL
x48bp0jVQduPndQWKTTty8D5dvWi92YfefSXD++QP
/Rb5OqoSbx1Ksfls67QJcf+MC30mmNSFw+b8d6fyzvtjA5ZlXr0pePHEjXL7N9daLmfOb4fJ
Oglt919c9h9u3L3xrfso5Fbj6Ysv3K
/OXIfz7ZeHjZ5s7nOF8lrcFuRruMYj0ocHvcP6VCdz8txOdTti93QeXZ3Ves+voDXh6+s
/a+7qwx2s/XP6H0flebzYXOH9CqfGp+zKycP7
/oisbOzc+gvMZSwXVg0rh8c9QoN8nUybVCudztIdMn/i2CO6eP
/snFrn1uMHlkcAof3jzAYy95+KVDCA8AAAAElFTkSuQmCC",
    "v": "3.0.0"
}
```

Note: Convert the scan_code result from its Base64 encoded string and display the QR code image.