

Posting Directly to the Gateway via HPP Quick Start Guide

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Introduction

Partners that require autonomy on the Payment User Interface or additional control of the transaction workflow using their own customized Hosted Payment Page or IVR can choose to integrate to the Payment Fusion gateway by posting the transactions directly to the Healthcare Payment Solutions Transaction Broker via its Hosted Payment Page. This document details the process to initiate a direct post to Payment Fusion gateway via its Hosted Payment Page.

Partners integrating via this method are required to provide PCI certification of their Payment Application in the form of **AOC (Attestation of Compliance)** or **ROC (Report on Compliance)** as their application will be handling cardholder data.

Overview

Here's the summary of the steps a Partner integrator will need to perform to post transaction directly to the Healthcare Payment Solution Transaction Broker via its Hosted Payment Page

1. Generate an HPP payment form URL.
 - a. POST /transactions/hpps and capture the hpp value (URL) from the response.
 - i. Include the "transaction_type" and "amount" in the start data; example (Sale and \$10.00).
 - ii. Recommend including Remote ID in the start data.
2. Parse the TB ID from the HPP page HTML response created in step 1.
 - a. GET /url from step one.
 - b. parse the TB ID from the HTML response.
3. Authorize the Payment using the HPP page with card data.
 - a. POST /url with form-urlencoded and the following appropriate parameters depending on a credit or a check transaction:
 - b. Callback URL=[callback_url_1] - recommended
 - c. PaymentType=[Credit/ACH]
 - d. NameOnCard=[name on card]
 - e. CardExpiration=[card expiration]
 - f. CardNumber=[card number]
 - g. BillingAddress1=[cardholder billing address] - recommended
 - h. BillingZip=[cardholder billing zip] - recommended
 - i. cf_tb_id_Name=[parsed from step 2]
 - j. cf_remote_id_Name=[from step 1.b if used]
 - k. cf_tb_transaction_type_Name=hpp
 - l. TransactionTypes=[Sale/Auth/SaveOnly]
 - m. CheckAccountNumber=[check account number]
 - n. CheckRoutingNumber=[check routing number]
 - o. NameOnCheck=[name on check]
 - p. SECCode=[SEC code]
 - q. CheckAccountType=[Checking, Saving]
 - r. CheckType=[Personal, Business]
 - s. CheckNumber=[check number]

Request Details

Step 1: POST /transactions/hpps

URL: <https://tb-sandbox.paymentfusion.com/hpps>

Verb: POST

Required parameters:

The **transaction_type**, **amount**, and **id** parameters listed below are required.

- **id**= The HPP Source identifier for the transaction.

- **transaction_type**= The type of transaction that will be performed. Enum Auth, Sale, SaveOnly.
- **amount**= The amount of the transaction that will be performed. Example: 15.33

The response from this call will return a dynamically generated, single use payment URL .

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.

Headers:

- **Authorization**: Needs to include **Basic** word before Base64 encoded api_id:api_token. The api_id is the identifier of the organization created in Control Center; it is a unique token previously generated in Control Center and provided securely to the organization.
Example: Basic ODA5BVgrNdZkZmbiFIJTThkYTA2eG00MzA5dHh1bWZnZgfdZDE=
- **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
- **Accept-Encoding**: gzip, deflate,br
- **Connection**: keep-alive

Request Body:

```
{
  "id" : " ",
  "amount": " "
  "transaction_type" : "Sale"
  "remote_id": " "
  ...
}
```

Response Body:

```
{
  "hpp": https://gateway-sandbox.paymentfusion.com/hpp/5a0eac40e2/payment, "v": "3.0.0"
}
```

Step 2" GET /url from step one and parse the TB ID from the response

URL: <https://gateway-sandbox.paymentfusion.com/hpp/5a0eac40e2/payment>

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. The api_token is the unique token previously generated by TAP and provided securely to the organization; size range - 32
Example: Basic ODA5BVgrNdZkZmbiFIJITThkYTA2eG00MzA5dHh1bWZnZgfdZDE=
- **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.v1.0.0+json
- **Content-Type:** application/x-www-form-urlencoded
- **Accept-Encoding:** gzip, deflate,
- **Connection:** keep-alive

Request Body

```
{  
  https://gateway-sandbox.paymentfusion.com/hpp/5a0eac40e2/payment  
}
```

Response Body

```
{  
  "cf_tb_id_Name" value: "80112"  
  "cf_tb_transaction_type_Name" value="hpp"  
  ...  
}
```

Step 3: POST /url with form-urlencoded and the following appropriate parameters:

URL: https://gateway-sandbox.paymentfusion.com/hpp/5a0eac40e2/payment

Verb: POST

Required parameters:

The **PaymentType**, **NameOnCard**, **CardNumber**, **CardExpiration**, **cf_tb_transaction_type_Name** listed below are required; however, it is highly recommended to include a **Callback_url** 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

- **PaymentType**= [Credit/ACH]
- **NameOnCard**= [name on card]
- **CardExpiration**= [card expiration]
- **CardNumber**= [card number]

- **cf_tb_id_Name**=[tb_id parsed from step 2]
- **cf_tb_transaction_type_Name**=hpp
- **TransactionTypes**=Sale/Auth/SaveOnly [from step 1]
- **CheckAccountNumber**=[check account number]
- **CheckRoutingNumber**=[check routing number]
- **NameOnCheck**=[name on check]
- **SECCode**=[SEC code]
- **CheckAccountType**=[Checking, Saving]
- **CheckType**=[Personal, Business]
- **CheckNumber**=[check number]

Recommended Parameters:

- **callback_url_[1|2|3]**=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 retry if the host is unresponsive. The response received from the callback url must have the response code 2xx.
- **BillingAddress1**=[cardholder billing address] – recommended
- **BillingZip**=[cardholder billing zip] – recommended
- **CardCvv**=[card CVV] - recommended
- **cf_remote_id_Name**= [from step 1. if used] 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.

Headers:

Authorization: Needs to include Basic word before Base64 encoded api_id:api_token. The api_id is the identifier of the organization created in Control Center.

Example: Basic ODA5BVgrNdZkZmbiFIJITThkYTA2eG00MzA5dHh1bWZnZgfdZDE=

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

Accept-Encoding: gzip, deflate

Connection: keep-alive

Request Body:

```
{
  "PaymentType" : "Credit",
  "amount": " "
  "NameOnCard": " "
  "CardNumber": " "
  "CardExpiration": ""
}
```

```
"cf_tb_id_Name": "tb_id"
"cf_tb_transaction_type_Name": "hpp"
"Callback_url_1": ""
...
}
```

Response Body:

```
{
  "id": "79731",
  "type": "hpp",
  "version": "3.0.0",
  "data": {
    "id": 79731,
    "amount": "3.46",
    "invoice_number": "79731",
    "ip_address": null,
    "user_name": null,
    "transaction_status": "approved",
    "token": "180894608f28e8a6b0f408e912a72b557901a8c",
    "card_type": "Visa",
    "card_expiration_date": "1224",
    "masked_card_number": "XXXXXXXXXXXX1111",
    "check_account_type": null,
    "check_holder": null,
    "check_account_number": null,
    "transaction_type": "Sale",
    "is_partial_auth": null,
    "allow_partial_auth": null,
    "created_at": "2023-09-17 21:42:42 +0000",
    "gateway_identifiser": "payment_fusion",
    "gateway_reference_number": "1938827",
    "gateway_result_code": "0",
    "gateway_auth_code": "DEMO943",
    "merchant_id": "1620928603463624",
    "billing_address_1": null,
    "billing_address_2": null,
    "billing_city": null,
    "billing_zip": null,
    "billing_state": null,
    "comment": null,
    "description": null,
    "card_holder": "Henry",
    "auth_amount": "3.46",
    "remote_id": "7420bb0d-cd8d-4aa2-8c29-414076a32219",
    "input_method": "unknown",
    "bin_data": {
```

```
    "bin": 411111,
    "card_brand": "VISA",
    "issuing_org": "JPMORGAN CHASE BANK, N.A.",
    "card_type": "CREDIT",
    "card_category": "",
    "issuing_country": "UNITED STATES",
    "issuing_country_code_a2": "US",
    "issuing_country_code_a3": "USA",
    "issuing_country_number": 840,
    "issuing_phone": "+ (1) 212-270-6000",
    "issuing_website": "HTTPS://WWW.CHASE.COM/",
    "pan_length": "16",
    "issued_entity": "PERSONAL",
    "is_regulated": "Y",
    "is_commercial": false,
    "is_healthcare": false
  },
  "custom_fields": {
    "tb_id": "79731",
    "tb_transaction_type": "hpp"
  }
},
"hash":
"5f642fa6f332df5be5de6c914c4e3b7796b8035e07f40825fd6412f211b06e89"
}
```