Reporting Getting Started

Introduction

The reporting API section helps you retrieve detailed reports on you payments that have been initiated through your Terminal or Hosted payment Page(HPP). The reporting API is broken up in to two sections batches and transactions.

Reporting Timing

- Transactions will be available within 10 minutes of the processed transaction.
- Batches will be available once a day, however there are some case in which they might settle multiple times.

Batches

Overview

1. Make a GET call to pull a specific Batch by providing the transaction **id.** Retrieves data from the database regarding a specific batch based on the reference number.
2. Make a POST call to pull a range of Batch based on supplied criteria within the POST body. It returns a list of batches which matched the input criteria.

Request details:

URL: https://reporting-api.sandbox.paymentfusion.com/batches/{id}

Verb: GET

Parameters:

- **Path:**
  - **id**= Specifies the batch we are targeting.

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.v1.0.0+json`
- **Content-Type:** application/x-www-form-urlencoded
- **Cache-Control:** no-cache Host: reporting-api.sandbox.paymentfusion.com
- **Accept-Encoding:** gzip, deflate
- **Connection:** keep-alive

Request Body: N/A

Response:

```json
{
  "transactions_matched": 7221,
  "transactions_returned": 1,
  "start_index": 0,
  "limit": 40,
  "transactions": [
    {
      "reference_number": "2177629479",
      "transaction_type": "Sale",
      "date_time": "2019-01-01 12:00:00",
      "account_holder": "John Doe",
      "source": "CS Testing",
      "customer_id": "H0064062",
      "client_ip": "86.125.115.49",
      "batch_reference_number": "62598499",
      "card_avs_result_code": "0",
      "card_avs_result_text": "No AVS response (Typically no AVS data
 sent or swiped transaction)",
      "card_code_result_code": "string",
      "card_code_result_text": "No CVV2/CVC data available for
 transaction.",
      "card_level_result_code": "string",
      "card_level_result_text": "string",
      "customer_reference": "0",
      "check_status": "string",
      "check_status_code": "string",
      "check_tracking_number": "string",
      "check_effective_date": "string",
      "check_processed_date": "string",
      "check_settled_date": "string",
      "check_returned_date": "string",
      "check_trace_return_code": "string",
      "invoice": "19512",
      "terminal_serial_number": "17061PP21088071",
      "allow_partial_authorization": "string",
```

```
        "amount": 0.1,
        "tax": 0,
        "tip": 0,
        "taxable": "string",
        "subtotal": 0,
        "card_brand": "V",
        "card_number": "string",
        "card_expiration_date": "string",
        "check_number": 0,
        "check_routing_number": "string",
        "check_account_number": "string",
        "check_account_type": "string",
        "check_drivers_state": "string",
        "check_record_type": "string",
        "check_micr": "string",
        "billing_address_first_name": "string",
        "billing_address_last_name": "string",
        "billing_address_phone": "string",
        "billing_address_email": "string",
        "status": "Authorized (Pending Settlement)",
        "result": "Approved",
        "result_code": "string",
        "authorization_code": "string",
        "authorization_amount": 0,
        "remote_id": "string",
        "tb_id": 0,
        "client_id": "string",
        "status_code": "string",
        "payment_method": "string",
        "result_message": "string"
      }
    ]
  }
```

Request details:

URL: https://reporting-api.sandbox.paymentfusion.com/batches/search

Verb: POST

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.v1.0.0+json`
- **Content-Type:** application/x-www-form-urlencoded
- **Cache-Control:** no-cache Host: reporting-api.sandbox.paymentfusion.com
- **Accept-Encoding:** gzip, deflate
- **Connection:** keep-alive

Parameters:

- **opened**= Date the batch was opened. Format *2019-01-01 00:00:00*
- **closed=** Date the batch was closed. Format *2019-01-01 00:00:00*
- **start**= The number of items to skip before starting to collect the result set. Format integer
- **limit**= The number of items to return. Format integer, default 40, min 1, max 100.
- **sort=** Standard order is ascending. Enum reference_number, opened_date, closed_date etc…
- **status**= The status of the batch. Enum open, closed.
- **start_date**= Date/time up to which batches were created. Expects time to be in UTC time zone. Format *2019-01-01 00:00:00* If end_date is present defaults to "end_date - 24 hours". If end_date is missing, defaults to "24 hours ago".
- **end_date**= Date/time up to which batches were created. Expects time to be in UTC time zone. Format *2019-01-01 00:00:00* If start_date is present, defaults to "start_date + 24 hours". If start_date is missing, defaults to "now" (so we will return last 24 hours).

Body:

```
{
   "opened": "2019-01-01 00:00:00",
   "closed": "2019-01-01 00:00:00",
   "start": 0,
   "limit": 40,
   "sort": [
     "reference_number"
   ],
   "status": [
     "open"
   ],
   "start_date": "2019-01-01 12:00:00",
   "end_date": "2019-01-01 12:00:00"
}
```

Response:

```
{
   "start_index": 0,
   "limit": 40,
   "batches_matched": 0,
   "batches_returned": 0,
   "batches": [
     {
       "reference_number": "string",
       "opened_date": "string",
       "closed_date": "string",
       "sales_amount": 0,
       "sales_count": 0,
       "returns_amount": 0,
       "returns_count": 0,
       "total_amount": 0,
       "total_transactions": 0,
```

```
          "voids_amount": 0,
          "voids_count": 0,
          "status": "string"
        }
      ]
    }
```

Transactions

Overview

1. Make a GET call to pull a specific Transaction by providing the transaction **id.** Retrieves data from the database regarding a specific transaction based on the reference number.
2. Make a POST call to pull a range of Transactions based on supplied criteria within the POST body. Returns a list of transactions which matched the input criteria.

Request details:

URL: https://reporting-api.sandbox.paymentfusion.com/transactions/{id}

Verb: GET

Parameters:

- **Path:**
  - **id**= Specifies the Transaction we are targeting.

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.v1.0.0+json`
- **Content-Type:** application/x-www-form-urlencoded
- **Cache-Control:** no-cache Host: reporting-api.sandbox.paymentfusion.com
- **Accept-Encoding:** gzip, deflate
- **Connection:** keep-alive

Response Body:

```
{
  "reference_number": "2177629479",
  "transaction_type": "Sale",
  "date_time": "2019-01-01 12:00:00",
  "account_holder": "John Doe",
  "source": "CS Testing",
  "customer_id": "H0064062",
  "client_ip": "86.125.115.49",
  "batch_reference_number": "62598499",
  "card_avs_result_code": "0",
  "card_avs_result_text": "No AVS response (Typically no AVS data sent
```

```
or swiped transaction)",
  "card_code_result_code": "string",
  "card_code_result_text": "No CVV2/CVC data available for
transaction.",
  "card_level_result_code": "string",
  "card_level_result_text": "string",
  "customer_reference": "0",
  "check_status": "string",
  "check_status_code": "string",
  "check_tracking_number": "string",
  "check_effective_date": "string",
  "check_processed_date": "string",
  "check_settled_date": "string",
  "check_returned_date": "string",
  "check_trace_return_code": "string",
  "invoice": "19512",
  "terminal_serial_number": "17061PP21088071",
  "allow_partial_authorization": "string",
  "amount": 0.1,
  "tax": 0,
  "tip": 0,
  "taxable": "string",
  "subtotal": 0,
  "card_brand": "V",
  "card_number": "string",
  "card_expiration_date": "string",
  "check_number": 0,
  "check_routing_number": "string",
  "check_account_number": "string",
  "check_account_type": "string",
  "check_drivers_state": "string",
  "check_record_type": "string",
  "check_micr": "string",
  "billing_address_first_name": "string",
  "billing_address_last_name": "string",
  "billing_address_phone": "string",
  "billing_address_email": "string",
  "status": "Authorized (Pending Settlement)",
  "result": "Approved",
  "result_code": "string",
  "authorization_code": "string",
  "authorization_amount": 0,
  "remote_id": "string",
  "tb_id": 0,
  "client_id": "string",
  "status_code": "string",
  "payment_method": "string",
  "result_message": "string"
}
```

Request details:

URL: https://reporting-api.sandbox.paymentfusion.com/transactions/search

Verb: POST

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.v1.0.0+json`
- **Content-Type:** application/x-www-form-urlencoded
- **Cache-Control:** no-cache Host: reporting-api.sandbox.paymentfusion.com
- **Accept-Encoding:** gzip, deflate
- **Connection:** keep-alive

Parameters:

- **start=** Record number to start returning from (ie if 1,000 were found and you only want to receive the last 200 you would set Start=800 and Limit=200)
- **limit=** Maximum number of transactions to return in result set. Format integer, default 40, min 1, max 100.
- **sort=** Standard order is ascending; comma separated list of fields to sort by. Enumtransaction_type, date_time, account_holder, source etc…
- **match_all=** Matches all search criteria. Value can be true or false.
- **search=** Is an array of values that allow you to narrow down your criteria.
- **field=** Name of field.
- **type**= One of the following values. Enum transaction_type, date_time, account_holder, source etc…
- **value=** Value to search. Enum gt, lt, eq, contains
- **start_date=** Date/time starting from which batches were created. Format 2019-01-01 00:00:00
- **end_date=** Date/time up to which batches were created. Format 2019-01-01 00:00:00

Body:

```
{
  "start": 0,
  "limit": 40,
  "sort": [
    "field1",
    "field2"
  ],
  "match_all": true,
  "search": [
    {
      "field": "field1",
      "type": "gt",
      "value": "value to search"
    },
    {
      "field": "field2",
      "type": "eq",
```

```
        "value": "value to search"
      }
    ]
  }
```

Response Body:

```
{
  "transactions_matched": 12,
  "transactions_returned": 10,
  "errors_count": 0,
  "declines_count": 2,
  "sales_count": 12,
  "credits_count": 0,
  "auth_only_count": 0,
  "voids_count": 0,
  "sales_amount": 700.12,
  "credits_amount": 0,
  "auth_only_amount": 0,
  "voids_amount": 0,
  "errors_amount": 0,
  "declines_amount": 44.14,
  "start_index": 0,
  "limit": 40,
  "transactions": [
    {
      "reference_number": "2177629479",
      "transaction_type": "Sale",
      "date_time": "2019-01-01 12:00:00",
      "account_holder": "John Doe",
      "source": "CS Testing",
      "customer_id": "H0064062",
      "client_ip": "86.125.115.49",
      "batch_reference_number": "62598499",
      "card_avs_result_code": "0",
      "card_avs_result_text": "No AVS response (Typically no AVS data
sent or swiped transaction)",
      "card_code_result_code": "string",
      "card_code_result_text": "No CVV2/CVC data available for
transaction.",
      "card_level_result_code": "string",
      "card_level_result_text": "string",
      "customer_reference": "0",
      "check_status": "string",
      "check_status_code": "string",
      "check_tracking_number": "string",
      "check_effective_date": "string",
      "check_processed_date": "string",
```

```
                "check_settled_date": "string",
                "check_returned_date": "string",
                "check_trace_return_code": "string",
                "invoice": "19512",
                "terminal_serial_number": "17061PP21088071",
                "allow_partial_authorization": "string",
                "amount": 0.1,
                "tax": 0,
                "tip": 0,
                "taxable": "string",
                "subtotal": 0,
                "card_brand": "V",
                "card_number": "string",
                "card_expiration_date": "string",
                "check_number": 0,
                "check_routing_number": "string",
                "check_account_number": "string",
                "check_account_type": "string",
                "check_drivers_state": "string",
                "check_record_type": "string",
                "check_micr": "string",
                "billing_address_first_name": "string",
                "billing_address_last_name": "string",
                "billing_address_phone": "string",
                "billing_address_email": "string",
                "status": "Authorized (Pending Settlement)",
                "result": "Approved",
                "result_code": "string",
                "authorization_code": "string",
                "authorization_amount": 0,
                "remote_id": "string",
                "tb_id": 0,
                "client_id": "string",
                "status_code": "string",
                "payment_method": "string",
                "result_message": "string"
            }
        ]
    }
```