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Flexshopper

# Shared API v2 Documentation

v1.0.3

Except for the GET /transactions endpoint, all endpoints in this document are shared across the marketplace, web payment processor and POS payment processor workflow. The GET /transactions endpoint is shared between the web payment processor and POS payment processor workflow.

## Headers Authentication

(Mandatory) To authenticate with the API, every request must be signed with a JSON Web Token in the header. The token consists of an API **key** provided by FlexShopper signed by a **secret** also provided by FlexShopper.

More information regarding JSON Web Token can be found here:

<https://jwt.io/>

**token** = **key** signed by **secret**

The resulting token is concatenated with the word `Bearer` and a space and passed as an HTTP header with the field name `Authorization`. The resulting header should be as follows:

**Authorization: Bearer token**

Ensure that the first letter in the words `Authorization` and `Bearer` are capitalized.

## Notes

**Money** - All monetary values are referenced in cents, not dollars.

# Transaction Status Endpoint (Final Handshake)

## GET Transactions

This is a required endpoint used by the merchant consuming the payment processor to confirm the status of a transaction. If the merchant does not make the request to GET /transactions/{id} at the end of the order lifecycle, FlexShopper will not know that the transaction is accepted by the merchant. If the merchant does not receive a response from GET /transactions/{id} containing a **status** with the value 'success', they should **NOT** fulfill the customer order without receiving a different form of payment.

GET /v2/transactions/<transactionId> HTTP/1.1

HOST: <https://api.flexshopper.com>

HEADER: 'Authorization: Bearer <token>'

RESPONSE :

```
{
  "status": "success",
  "itemTotal": 96783,
  "shippingTotal": 5650,
  "orderTotal": 102433,
  "remainingSpend": 147567,
  "merchantOrderId": "<merchantOrderId>",
  "customer": {
    "firstName": "Leonard",
    "lastName": "Cohen",
    "email": "lcohen2016@gmail.com",
    "street1": "123TestDr.",
    "street2": "Apt.2",
    "city": "Hollywood",
    "regionAbbr": "FL",
    "postalCode": "33021",
    "phones": [
      {
        "type": "mobile",
        "number": "8887773333",
        "primary": true
      },
      {
        "type": "home",
```

```
        "number": "8883334444",
        "primary": false
    }
],
},
"items": [
    {
        "sku": "MS-XBOONE-421",
        "description": "XboxOneS1TBMaddenNFL17Bundle",
        "condition": "new",
        "brand": "Microsoft",
        "itemCost": 22532,
        "shippingMethod": "store",
        "shippingCost": 1800,
        "quantity": 2
    },
    {
        "sku": "FLXMPN-55LH575",
        "description": "LG55LH575055\\\"Smart1080p60HzLEDHDTV",
        "condition": "new",
        "brand": "LG",
        "itemCost": 51719,
        "shippingMethod": "ground",
        "shippingCost": 2050,
        "quantity": 1
    }
]
}
```

# Transaction Item Delivery Date

## POST Transaction Delivery Dates

Some merchants can provide estimated dates of delivery without tracking numbers. These deliveries consist of in-store pickups and This is a optional endpoint used by the merchant to identify the date the item or items were delivered. The payload accepts a sku and a quantity in the payload. If no sku is provided, the delivery dates are applied to all items in the transaction. If no quantity is provided, the delivery date is applied to the entire quantity of sku in the order.

POST /v2/transactions/<transactionId>/delivery-dates HTTP/1.1

HOST: <https://api.flexshopper.com>

HEADER: 'Authorization: Bearer <token>'

REQUEST:

```
{
  "sku": "string",
  "qty": 1,
  "deliveryDate": "2020-10-05T14:48:00.000Z",
  "shipDate": "2020-10-15T13:23:00.000Z"
}
```

Fields:

- sku
  - Required: Conditional (Required only if qty is given)
  - Format: String
  - Min: 2 characters
  - Max: 100 characters
  - Note: if supplied the delivery date will be updated **only** for the sku supplied in the request.
- qty
  - Required: No
  - Format: numeric
  - Note:
    - if supplied then sku is **required**
    - the delivery date will be updated **only** for the given amount in qty for the specific sku
- deliveryDate
  - Required: Yes

- Format: ISO8601 Date+Time
- shipDate
  - Required: No
  - Format: ISO8601 Date+Time

RESPONSE:

**204** - on successfully updated

**404** - on sku/transaction not found

**400** - invalid request

# Transaction Item Shipment Confirmations

## POST Transaction Shipment Confirmations

This is a required endpoint used by the merchant to identify the date the item or items were delivered. The payload accepts a sku and a quantity in the payload. If no sku is provided, the delivery dates are applied to all items in the transaction. If no quantity is provided, the delivery date is applied to the entire quantity of sku in the order.

POST /v2/transactions/<transactionId>/shipment-confirmations HTTP/1.1

HOST: <https://api.flexshopper.com>

HEADER: 'Authorization: Bearer <token>'

REQUEST:

```
{
  "sku": "string",
  "qty": 0,
  "trackingNumber": "string",
  "deliveryDate": "2016-11-24T21:02:54.331Z",
  "shipDate": "2016-11-22T21:02:44.231Z",
  "carrier": "string"
}
```

RESPONSE:

**204** - on successfully updating order/item shipment confirmations

**404** - on sku/transaction not found

**400** - invalid request

Fields:

- sku
  - Required: Conditional (Required only if qty is given)
  - Format: String
  - Min: 2 characters
  - Max: 100 characters
  - Note: if supplied the delivery date will be updated **only** for the sku supplied in the request.
- qty
  - Required: No
  - Format: numeric
  - Note:
    - if supplied then sku is **required**

- values will be updated **only** for the given amount in qty for the specific sku

- trackingNumber
  - Required: Yes
  - Format: String
  - Min: 2 characters
  - Max: 200 characters
- deliveryDate
  - Required: Yes
  - Format: ISO8601 Date+Time
- shipDate
  - Required: Yes
  - Format: ISO8601 Date+Time
- carrier
  - Required: Yes
  - Format: String
  - Min: 2 characters
  - Max: 100 characters

# Transaction Item Returns

## POST Transaction Item Returns

This endpoint should be used when items are directly returned to the store. The payload accepts a sku, in which case only items with matching skus will be updated; if quantity is provided then only matching items up to specified quantity will be affected. If no sku is provided, all items in the order will be marked as returned.

POST /v2/transactions/<transactionId>/returns HTTP/1.1

HOST: <https://api.flexshopper.com>

HEADER: 'Authorization: Bearer <token>'

REQUEST:

```
{  
  "sku": "string",  
  "qty": 0  
}
```

RESPONSE:

**204** - on successfully returned order/item

**404** - on sku/transaction not found

**400** - invalid request

Fields:

- sku
  - Required: Conditional (Required only if qty is given)
  - Format: String
  - Min: 2 characters
  - Max: 100 characters
  - Note: if supplied the delivery date will be updated **only** for the sku supplied in the request.
- qty
  - Required: No
  - Format: numeric
  - Note:
    - if supplied then sku is **required**
    - values will be updated **only** for the given amount in qty for the specific sku



# Transaction Item Cancels

## POST Transaction Item Cancels

This endpoint should be used when items are canceled, such as in the event the customer calls in and explains that they no longer want an item that has been pending delivery. Items that have already been delivered **cannot be canceled**. If the item has been returned to you please use the returns endpoint. The payload accepts a sku, in which case only items with matching skus will be updated; if quantity is provided then only matching items up to specified quantity will be affected. If no sku is provided, all items in the order will be marked as canceled.

POST /v2/transactions/<transactionId>/cancels HTTP/1.1

HOST: <https://api.flexshopper.com>

HEADER: 'Authorization: Bearer <token>'

REQUEST:

```
{
  "sku": "string",
  "qty": 0
}
```

RESPONES:

**204** - on successfully canceled order/item

**404** - on sku/transaction not found

**400** - invalid request

Fields:

- sku
  - Required: Conditional (Required only if qty is given)
  - Format: String
  - Min: 2 characters
  - Max: 100 characters
  - Note: if supplied the delivery date will be updated **only** for the sku supplied in the request.
- qty
  - Required: No
  - Format: numeric
  - Note:
    - if supplied then sku is **required**

- values will be updated **only** for the given amount in qty for the specific sku

## Transaction Item Credits

### POST Transaction Item Credits

Sometimes items will be returned directly to the merchant after FlexShopper has paid the merchant for it, in which case we expect an API call made to this endpoint to specify that a credit is being given to FlexShopper which we'll apply against the next invoice to be paid to the merchant.

POST /v2/transactions/<transactionId>/credits HTTP/1.1

HOST: <https://api.flexshopper.com>

HEADER: 'Authorization: Bearer <token>'

REQUEST:

```
{
  "sku": "string",
  "status": "new",
  "itemCredit": 0,
  "shippingCredit": 0
}
```

RESPONSES:

**204** - on successfully applied credit

**404** - on sku/transaction not found

**400** - invalid request

Fields:

- sku
  - Required: Conditional (Required only if qty is given)
  - Format: String
  - Min: 2 characters
  - Max: 100 characters
  - Note: if supplied the delivery date will be updated **only** for the sku supplied in the request.
- itemCredit
  - Required: Yes
  - Format: Number
  - Note:
    - Amount is given in cents not in dollars
- shippingCredit

- Required: Yes
- Format: Number
- Note:
  - Amount is given in cents not in dollars