


Exploring Lalamove API with POSTMAN

Lalamove Developers

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Objectives

- This deck is prepared for developers to have a taste of Lalamove APIs without writing a single line of code.
- We use POSTMAN for the illustration. It's a tool widely used by developers and is easily accessible.
- To download  POSTMAN , visit <https://www.postman.com/downloads>.

Pre-requisites

- i. `api_key` AND `secret`*
- ii. POSTMAN Environment file (`xx.postman_environment.json`)
- iii. POSTMAN Collection file (`xx.postman_collection.json`)


xx

Code of the market in ISO 3166-1 alpha-2

* Separate Keys and Secrets will be generated for Sandbox *and* Production upon registration in partnerportal.lalamove.com

An example of item (2) for HK is downloadable from [HERE](#).

Postman Configurations

Markets	City	POSTMAN Environment	POSTMAN Collection
 Hong Kong	Hong Kong (HK)	Environment	Collection

<https://developers.lalamove.com/#tutorial>



CONFIDENTIAL

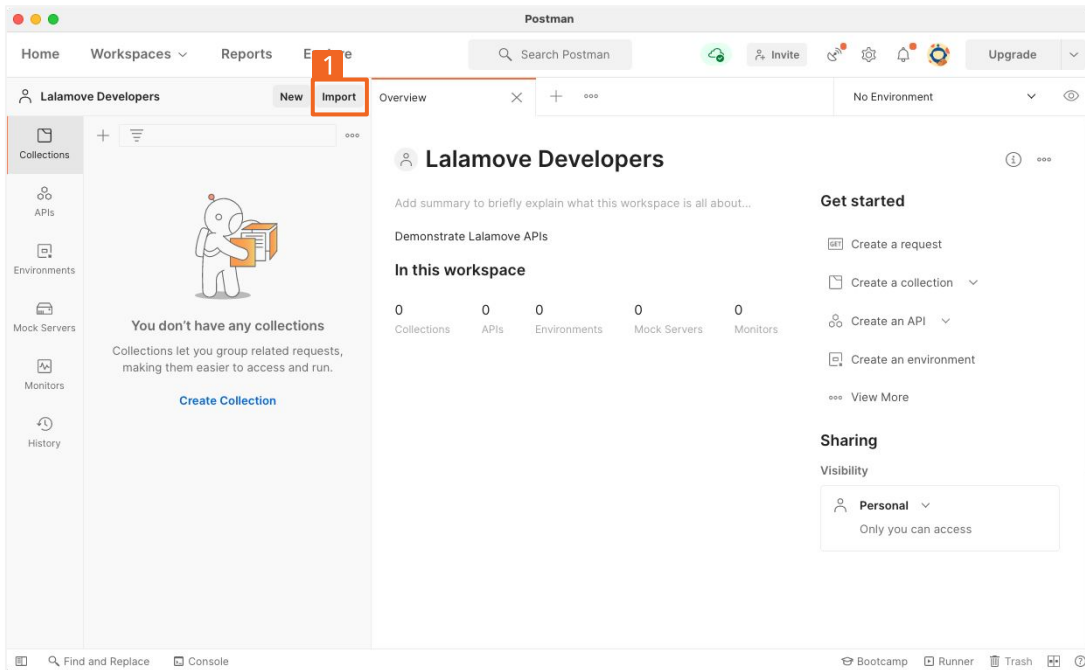
POSTMAN Tutorial

Getting Started

Postman Setup

At your first launch of the POSTMAN, you will see this screen.

1. Click "Import" to load the POSTMAN collection file.



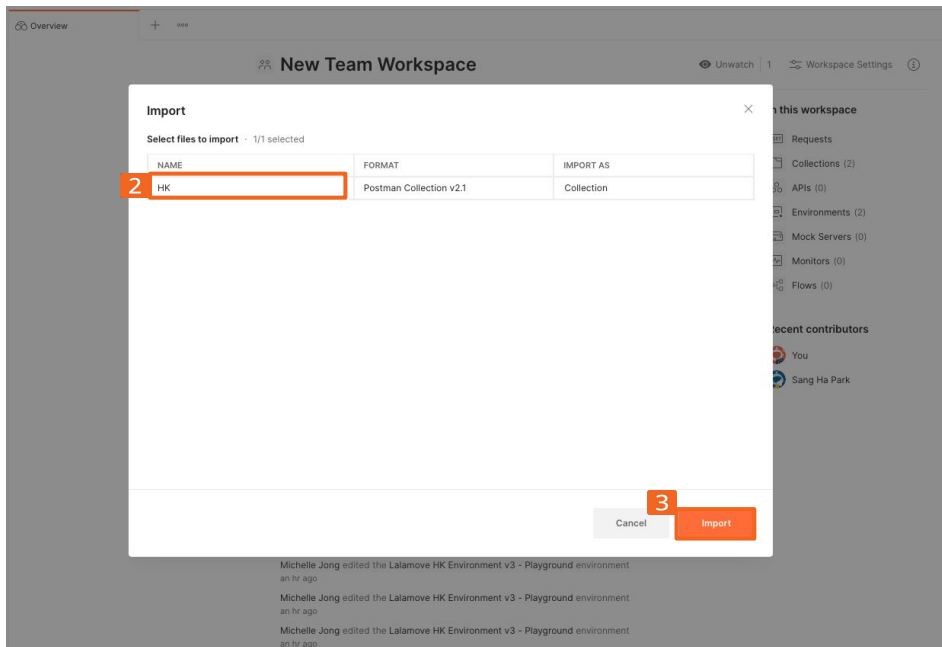
Import the POSTMAN Collection

2. Double check the name -
it should contain a pattern like **XX**:

XX Code of the market in
ISO 3166-1 alpha-2

For example,
HK
refers to Hong Kong

3. Click "Import" to proceed

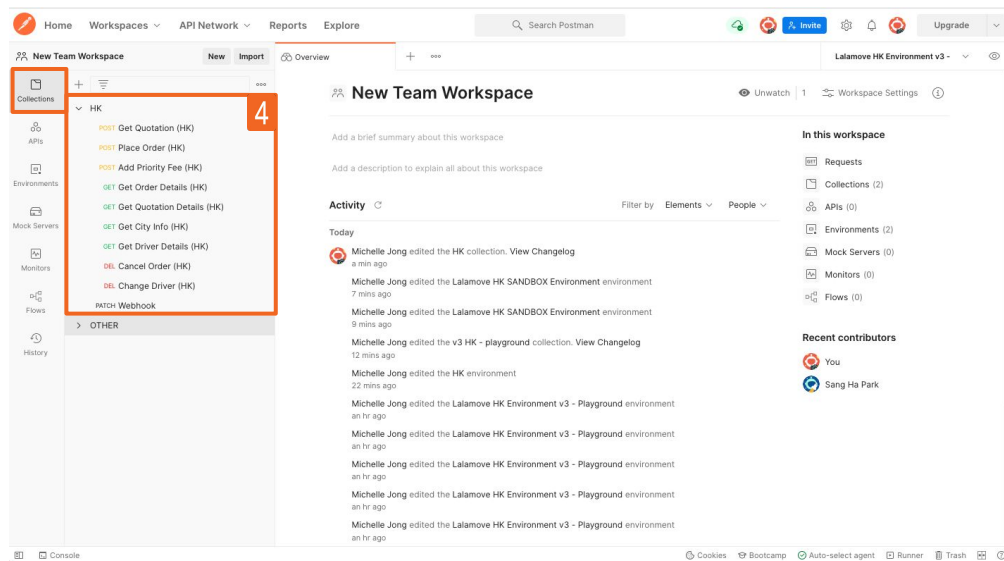


Examine the collection

4. The collection will be imported and listed on the left panel. Click the arrow on the left and it will get expanded. You will be seeing a total of 10 API endpoints.

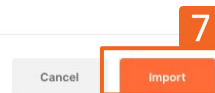
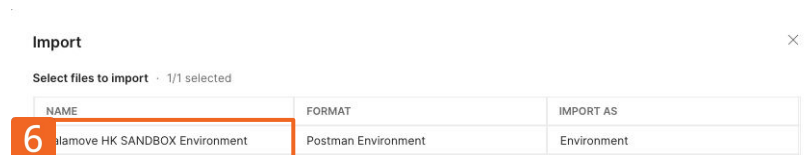
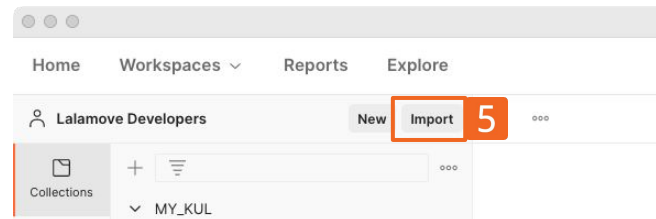
Remarks:

If you do not see the collection shown on the left, please make sure you click the “Collections” on the top of the left panel.



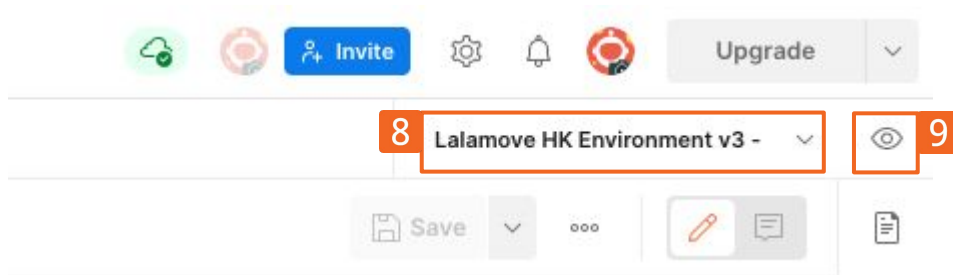
Import the environment

5. Click "Import" on the left panel and select `XX.postman_environment.json` that you have downloaded.
6. You will see "Lalamove XX SANDBOX Environment" listed in the dialog window. Click "X" to dismiss.
7. Click "Import" to proceed.



Review environment variables

8. Select "Lalamove XX_YYY SANDBOX Environment" from the drop down menu.
9. Click the icon to the right to toggle the editing window.



Update environment variables

10. Change `apikey` and `secret` with the credentials provided by the city team.
11. Review to see if the value in `country` matches the country and city that you are working on.

Refer to UN/LOCODE of “Available Markets” in [our documentation](#) if you are unsure what to enter.

VARIABLE	INITIAL VALUE	CURRENT VALUE
hostname	rest.sandbox.lalamove.com	rest.sandbox.lalamove.com
apikey	YOUR_API_KEY	YOUR_API_KEY
secret	YOUR_API_SECRET	YOUR_API_SECRET
market		
signature		
time		

Globals

No global variables

Global variables are a set of variables that are always available in a workspace.

① Use variables to reuse values and protect sensitive data

Store sensitive data in variable type secret to keep its values masked on the screen. [Learn more about variable type](#)

Work with the current value of a variable to prevent sharing sensitive values with your team. [Learn more about variable values](#)

API Details

Making your first request - Get Quotation

"Everything starts with a quotation."

1. Click on "Get Quotation" and you will see there is a new tab on the right. Modify the `data` section of "Pre-req." / "Pre-request Script" as necessary.
2. Hit "Send" and you will be seeing the response at the bottom.
3. "201 Created" indicates your request is successful.
4. Check the response body. It is supposed to be aligned with the `data` in your request payload.

REQUEST

The screenshot shows the Postman interface with the 'REQUEST' tab selected. On the left, a list of collections includes 'HK' with several endpoints. The 'POST Get Quotation (HK)' endpoint is highlighted with an orange box and a red '1'. The main panel shows the URL 'https://(hostname)/v3/quotations' with a red '2' over the 'Send' button. Below the URL, there are tabs for 'Params', 'Authorization', 'Headers (10)', 'Body', 'Pre-request Script', 'Tests', and 'Settings'. The 'Query Params' table is visible with columns for KEY, VALUE, and DESCRIPTION.

RESPONSE

The screenshot shows the Postman interface with the 'RESPONSE' tab selected. The status bar at the top indicates '201 Created' with a red '3' and '3 KB'. The 'Save Response' button is visible. The main panel shows the response body in 'Pretty' format, which is a JSON object. The 'data' field is highlighted with an orange box and a red '4'. The JSON structure includes quotationId, scheduleAt, expiresAt, serviceType, specialRequests, language, and stops.

Get Quotation Details

1. Click “Get Quotation Details” on the left panel.
2. Navigate to “Pre-req.”/“Pre-request Script”
3. We are using the value received from the response of Get Quotation API.
4. Hit “Send”.
5. “200 OK” indicates your request is successful. The returned quotation details are supposed to be similar to the response of Get Quotation API.

Note: kindly disable the

The screenshot displays the Postman interface for a REST client request. The top section, labeled "REQUEST", shows the request configuration for the "GET /v3/quotations/{quotationId}" endpoint. The "Pre-request Script" tab is active, containing JavaScript code that sets environment variables for the request. The bottom section, labeled "RESPONSE", shows the response body in JSON format, which contains quotation details.

REQUEST

Home Workspaces API Network Reports Explore Search Postman

New Team Workspace New Import POST Get Quotation POST Place Order DEL Cancel Order PATCH Webhook GET Get Quotation Lalamove HK SANDBOX Envior

HK / Get Quotation Details (HK)

GET https://(hostname)/v3/quotations/{quotationId} 4 Send

Params Authorization Headers (8) Body Pre-request Script 2 Settings Cookies

```
1 let time = new Date().getTime();
2
3 let quotationId = pm.environment.get('quotationId');
4
5 let signature = CryptoJS.HmacSHA256(`${time.toString()}\nGET\n/v3/quotations/${quotationId}\n\n`,
  environment['secret']);
6
7 postman.setEnvironmentVariable('signature', signature.toString());
8 postman.setEnvironmentVariable('time', time);
9 postman.setEnvironmentVariable('quotationId', quotationId);
```

RESPONSE

Body Cookies Headers (15) Test Results 200 OK 1286 ms 1.28 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "data": {
3     "quotationId": "1516692207862681692",
4     "scheduleAt": "2022-04-20T08:16:15.00Z",
5     "expiresAt": "2022-04-20T08:21:16.00Z",
6     "serviceType": "MOTORCYCLE",
7     "specialRequests": [
8       "TOLL_FEE_10"
9     ],
10    "language": "EN_HK",
11    "stops": [
12      {
13        "stopId": "1516692210161160232"
```

Place Order

1. Click "Place Order" on the left panel. Navigate to "Pre-req."/"Pre-request Script"
2. Ensure that the `stopId` values for sender and receiver(s) are aligned with the response from 'Get Quotation' API.
3. Furthermore, modify `isPODEnabled`, `isReceipientSMSEnabled`, and `partner` as necessary.
4. Hit "Send".
5. "200 OK" indicates your request is successful and `orderId` is the order ID used by Lalamove.

The screenshot displays a Postman interface for a REST client. The top section, labeled 'REQUEST', shows a POST request to the endpoint `https://(hostname)/v3/orders`. The request body is a JSON object with the following structure:

```
{  "sender": {    "stopId": "pm.environment.get('stopId-0')",    "name": "Michael",    "phone": "+85238485765"  },  "recipients": [    {      "stopId": "pm.environment.get('stopId-1')",      "name": "Allen",      "phone": "+66923447537",      "remarks": "YYYYYY" // optional    }  ],  "isPODEnabled": true, // optional  "isRecipientSMSEnabled": true, // optional  "partner": "Lalamove Partner 1" // optional}
```

The bottom section, labeled 'RESPONSE', shows the response body in JSON format:

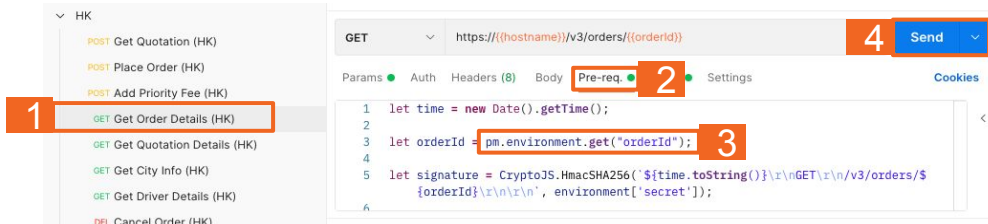
```
{  "data": {    "orderId": "152490308205",    "quotationId": "1516299093",    "priceBreakdown": {      "base": "90",      "specialRequests": "3",    }  }}
```

Annotations with numbered boxes (1-5) highlight key elements: 1. The 'Place Order (HK)' endpoint in the left sidebar. 2. The 'stopId' field in the sender object of the request body. 3. The 'isPODEnabled', 'isRecipientSMSEnabled', and 'partner' fields in the request body. 4. The 'Send' button. 5. The 'orderId' field in the response body.

Get Order Details

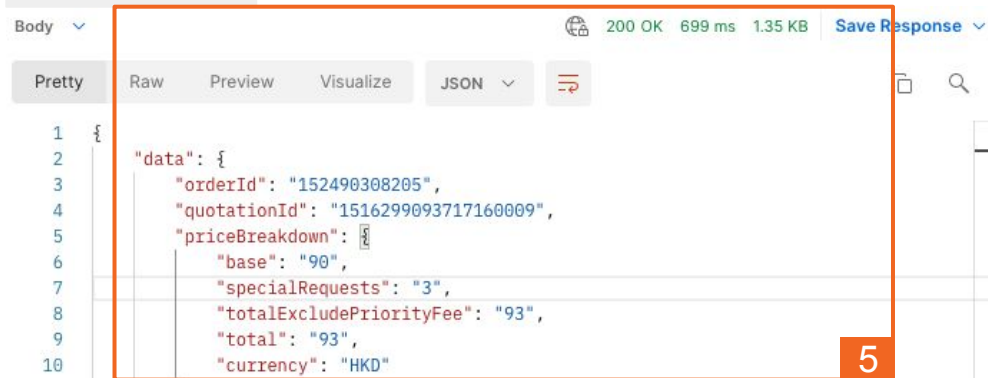
1. Click "Get Order Details" on the left panel.
2. Navigate to "Pre-req."/"Pre-request Script"
3. We are using the value received from the response of Place Order API.
4. Hit "Send".
5. "200 OK" indicates your request is successful. Order details are returned, fields include `orderId`, `quotationId`, & `priceBreakdown`.
6. More details on this topic at "Appendix".

REQUEST



```
1 GET https://((hostname))/v3/orders/((orderId))
2
3 Params Auth Headers (8) Body Pre-req. Settings Cookies
4
5 1 let time = new Date().getTime();
6 2
7 3 let orderId = pm.environment.get("orderId");
8 4
9 5 let signature = CryptoJS.HmacSHA256(`${time.toString()}\nGET\n/v3/orders/${
10   orderId}\n\n`, environment['secret']);
```

RESPONSE



```
1 {
2   "data": {
3     "orderId": "152490308205",
4     "quotationId": "1516299093717160009",
5     "priceBreakdown": {
6       "base": "90",
7       "specialRequests": "3",
8       "totalExcludePriorityFee": "93",
9       "total": "93",
10      "currency": "HKD"
    }
  }
}
```

Get Driver Details

1. Click "Get Driver Details".
2. Navigate to "Pre-req."/"Pre-request Script"
3. For `orderId`, we refer to the response of Place Order API.
4. For `driverId`, we refer to the response of Place Order API.
5. Hit "Send".
6. "200 OK" indicates your request is successful. Returned fields include `name`, `phone`, `plateNumber`, `photo` & `coordinates`.

The screenshot displays the Postman interface for a REST client request. The left sidebar shows a list of requests under the 'HK' collection, with 'GET Get Driver Details (HK)' selected and highlighted with a red box and a red '1'. The main panel shows the request details for the 'GET' method, with the URL `https://(hostname)/v3/orders/(orderId)/drivers/(driverId)` and a red '5' next to the 'Send' button. The 'Pre-req.' tab is active, showing a pre-request script with two lines of code: `let orderId = pm.environment.get('orderId');` and `let driverId = pm.environment.get('driverId');`. These lines are highlighted with red boxes and red numbers '3' and '4' respectively. The 'Response' tab is also visible, showing a '200 OK' status with a response body in JSON format. The response body is highlighted with a red box and a red '6'. The response data is as follows:

```
{
  "data": {
    "driverId": "79973",
    "name": "TestDriver 88888",
    "phone": "+85288888888",
    "plateNumber": "**781570*",
    "photo": "",
    "coordinates": {
      "lat": "22.5758305",
      "lng": "114.0551605",
      "updatedAt": "2022-01-18T05:53:30.00Z"
    }
  }
}
```


Change Driver

Pre-requisites:

- The following APIs need to be called prior to calling this API: Place Order, Get Order Details, and Get Driver Details
- Change Driver API can only be called 15 minutes after 15 the driver has been assigned to the order

Steps:

1. Click "Change Driver" on the left panel. You will then see a tab created.
2. Navigate to "Pre-req. / Pre-request Script"
3. For `orderId`, we refer to the response of Place Order API.
4. For `driverId`, we refer to the response of Place Order API.
5. Hit "Send".
6. "204 No Content" indicates your request is successful. No fields will be returned.

REQUEST

HK / Change Driver (HK)

DELETE `https://(hostname)/v3/orders/{(orderId)}/drivers/{(driverId)}`

Params Auth Headers (10) Body **Pre-req.** Settings Cookies

```
1 let time = new Date().getTime();
2 let orderId = pm.environment.get("orderId");
3 let driverId = pm.environment.get("driverId");
4
5 let body = {
6   "data": {
7     "reason": "DRIVER_LATE"
8   }
9 };
10
```

RESPONSE

Body `204 No Content` 536 B

Pretty Raw Preview Visualize JSON

1

Cancel Order

1. Click "Cancel Order"
2. Navigate to "Pre-req."/"Pre-request Script"
3. For `orderId`, we refer to the response of Place Order API.
4. Hit "Send".
5. "204 No Content" indicates your request is successful. No fields will be returned.

REQUEST

HK / Cancel Order (HK)

DELETE `https://{hostname}/v3/orders/{orderId}` **4** Send

Params Auth Headers (10) Body **Pre-req.** 2 Settings Cookies

```
1 let time = new Date().getTime();
2
3 let body = {};
4 let orderId = pm.environment.get("orderId"); 3
5
6 body = JSON.stringify(body);
7
8 let signature = CryptoJS.HmacSHA256(`${time.toString()}\n\nDELETE\n\nv3/orders/${
9   orderId}\n\n${body}`, environment['secret']);
10 postman.setEnvironmentVariable('signature', signature.toString());
```

RESPONSE

Body `204 No Content` 5 536 B

Pretty Raw Preview Visualize JSON `1`

Add Priority Fee

1. Click "Add Priority Fee"
2. Navigate to "Pre-req."/"Pre-request Script"
3. For `orderId`, we refer to the response of Place Order API.
4. "200 OK" indicates your request is successful.
5. Updated order details are returned, fields include `orderId`, `quotationId`, `priceBreakdown`, `driverId`, `shareLink` & `status`

The screenshot displays the Postman interface for a REST client. The top section, titled 'REQUEST', shows a collection named 'HK' with a list of endpoints. The endpoint 'POST Add Priority Fee (HK)' is selected and highlighted with a red box and a red '1'. The request method is 'POST' and the URL is 'https://(hostname)/v3/orders/(orderId)/priority-fee'. The 'Pre-req.' tab is active, showing a JavaScript script with three lines of code. The first line is 'let time = new Date().getTime();', the second is 'let orderId = pm.environment.get("orderId");', and the third is 'let body = { "data": { "priorityFee": "20" } };'. The 'orderId' value is highlighted with a red box and a red '3'. The 'Send' button is highlighted with a red box and a red '4'. The bottom section, titled 'RESPONSE', shows the response status as '200 OK' and the size as '1.44 KB'. The 'Body' tab is active, showing the response in 'Pretty' format. The response is a JSON object with a 'data' field containing 'orderId', 'quotationId', 'priceBreakdown', 'totalExcludePriorityFee', 'total', and 'currency'. The 'status' field is 'ASSIGNING_DRIVER'. The 'shareLink' field is a long URL. The 'driverId' field is an empty string. The 'priceBreakdown' field contains 'base', 'surcharge', and 'specialRequests'.

REQUEST

HK / Add Priority Fee (HK)

POST `https://(hostname)/v3/orders/(orderId)/priority-fee` **4** Send

Params Auth Headers (10) Body **Pre-req.** Settings Cookies

```
1 let time = new Date().getTime();
2
3 let orderId = pm.environment.get("orderId");
4
5 let body = {
6   "data": {
7     "priorityFee": "20"
8   }
9 };
10
11 body = JSON.stringify(body);
```

RESPONSE

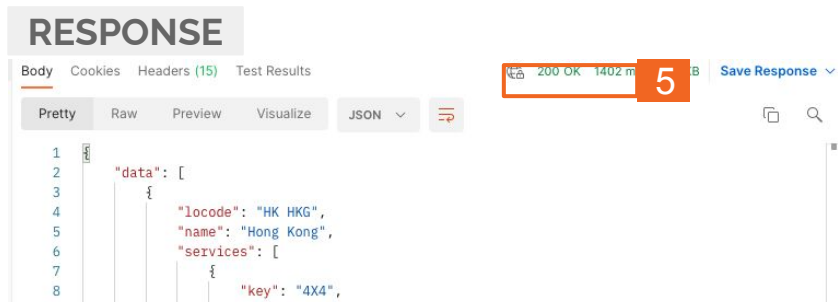
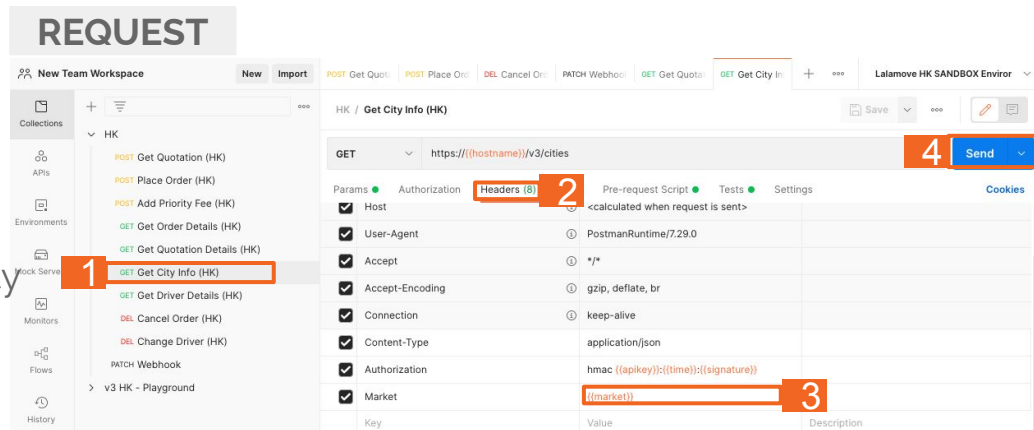
Body Cookies Headers (16) Test Results **200 OK** **5** 1.44 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "data": {
3     "orderId": "159590303215",
4     "quotationId": "1516362258219929607",
5     "priceBreakdown": {
6       "base": "90",
7       "surcharge": "10",
8       "specialRequests": "3",
9       "priorityFee": "20",
10      "totalExcludePriorityFee": "103",
11      "total": "123",
12      "currency": "HKD"
13    },
14     "driverId": "",
15     "shareLink": "https://share.sandbox.lalamove.com?HK1002204191825155709100100513678606&lang=en_HK&sign=ecbc2bd78e50b520d9efae0ff9b9a2f9&source=api_wrapper",
16     "status": "ASSIGNING_DRIVER",
```

Get City Info

1. Click “Get City Info”
2. Navigate to “Headers”
3. Ensure that value of `market` is pointing to the city of interest.
4. Hit “Send”.
5. Details of the service provided in the city will be returned.



Assign Webhook URL

1. Click "Webhook"
2. Navigate to "Pre-req."/"Pre-request Script"
3. Ensure that value of `url` is pointing to your Webhook target.
4. Hit "Send".
5. Details of the service provided in the city will be returned.

The screenshot displays the Postman interface with several red boxes and numbers indicating the steps to assign a webhook URL:

- 1**: A red box highlights the "PATCH Webhook" option in the left sidebar under the "HK" collection.
- 2**: A red box highlights the "Pre-req." tab in the top right of the main editor area.
- 3**: A red box highlights the `url` property in the JavaScript code within the Pre-request Script tab, with the value `"https://webhook.site/e44cc811-f4c2-40cd-8507-20d5eca234db?"`.
- 4**: A red box highlights the "Send" button in the top right corner of the interface.
- 5**: A red box highlights the "Body" tab in the bottom right, showing the JSON response:

```
{  "data": {    "url": "https://webhook.site/e44cc811-f4c2-40cd-8507-20d5eca234db?"  }}
```

Edit Orders

1. Click "Edit Order" on the left panel.
2. Navigate to "Pre-req."/"Pre-request Script"
3. Make sure that you are using the same 'stops' object format as the one found in response of Place Order API.
4. *(Make sure that values of 'Body' is available in 'Body' tab)*
5. Hit "Send".
6. "200 OK" indicates your request is successful. Order details are returned, fields include `orderId`, `quotationId`, & `priceBreakdown`
7. Criteria:
 - a. Can only be done to assigned order
 - b. Can only be done once
 - c. Can only be done for stop details update

The screenshot displays the Postman interface for editing an order. The left sidebar shows the 'REQUEST' tab selected, with the 'PATCH Edit Order (HK)' endpoint highlighted. The main area shows the 'Pre-request Script' tab with a JavaScript snippet for setting the request body. The 'Body' tab is also visible, showing the JSON response of the PATCH request.

REQUEST

URL: `https://(hostname)/v3/orders/(orderid)`

Method: **PATCH**

Pre-request Script:

```
1 let time = new Date().getTime();
2
3 let body = {
4   "data": {
5     "stops": [
6       {
7         "coordinates": {
8           "lat": "22.3354735",
9           "lng": "114.1761581",
10        },
11        "address": "Innocentre, 72 Tat Chee Ave, Kowloon Tong",
12        "name": "Michal",
13        "phone": "+85238485765",
14      },
15      {
16        "coordinates": {
17          "lat": "22.26308035863828",
18          "lng": "114.13081794602759",
19        },
20        "address": "Telegraph Bay, Cyberport Rd, 薄扶林 Cyberport 1",
21      }
22    ]
23  }
24 }
```

RESPONSE

Body:

```
1 {
2   "data": {
3     "orderId": "156180303309",
4     "quotationId": "1524699450134679556",
5     "priceBreakdown": {
6       "base": "10",
7       "extraMileage": "10",
8       "surcharge": "11",
9       "specialRequests": "3",
10      "totalExcludePriorityFee": "34",
11      "total": "34",
12    }
13  }
14 }
```

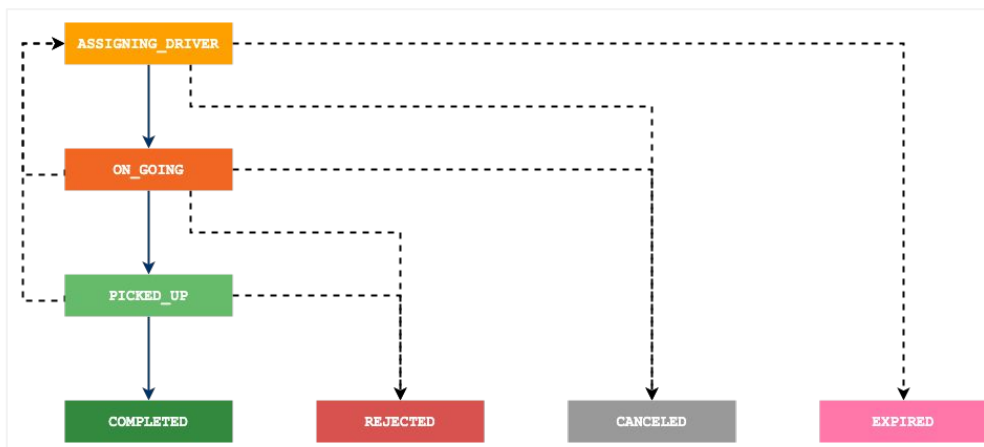
Appendix

Get Order Details

Further Explanation

- (i) `driverId` will be an EMPTY string if the order is at `ASSIGNING_DRIVER`, `CANCELED` or `REJECTED`.
- (ii) `shareLink` is a web page that contains order information. It can be shared with those who need to know the order status. Each order has its own unique URL. Lalamove may change the pattern without prior notice.
- (iii) `status` indicates current order status
- (iv) `pod` is null if the order has not requested for Proof Of Delivery (POD)
- (iv) `price[]` includes both `amount` and `currency`. Amount listed should include all the charges incurred for the order.

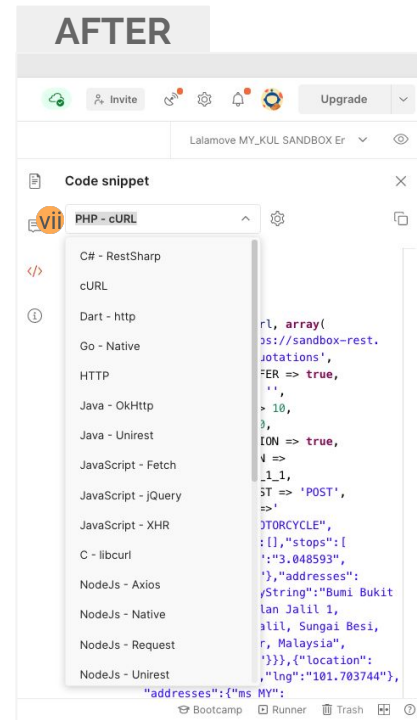
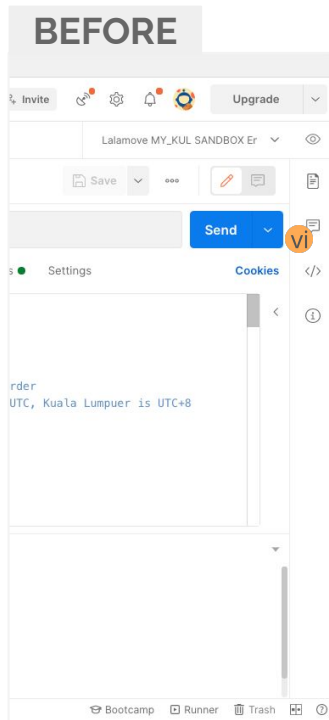
```
{  
  i "driverId": "79976",  
  ii "shareLink": "https://share.lalamove.com?US1002105043&lang=en_US&version=2&sign=62f26",  
  iii "status": "COMPLETED",  
  iv "pod": null,  
  v "price": {  
    "amount": "31.39",  
    "currency": "USD"  
  }  
}
```



Generate code from POSTMAN

“Don’t reinvent the wheel”

- (vi) Click the “</>” icon
(slightly below the big blue “Send” button)
- (vii) Select a language of your choice, code will be generated and you can copy it.



Thank you!

Documentation: developers.lalamove.com

Questions? Contact partner.support@lalamove.com