

# 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](https://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)	<a href="#">Environment</a>	<a href="#">Collection</a>

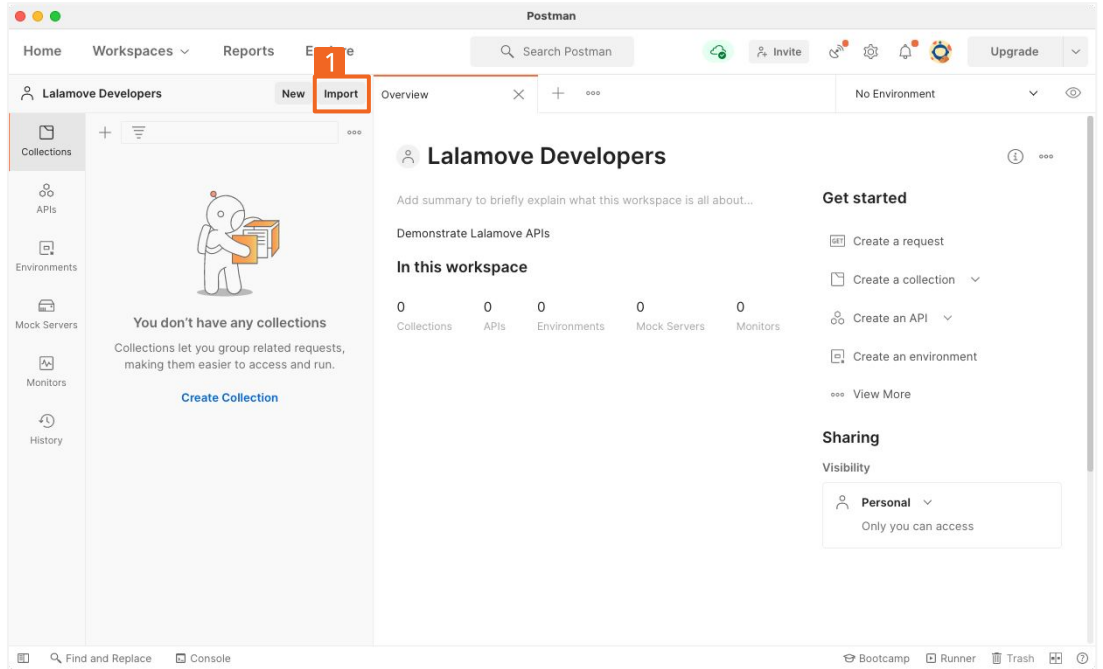
<https://developers.lalamove.com/#tutorial>

# 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.



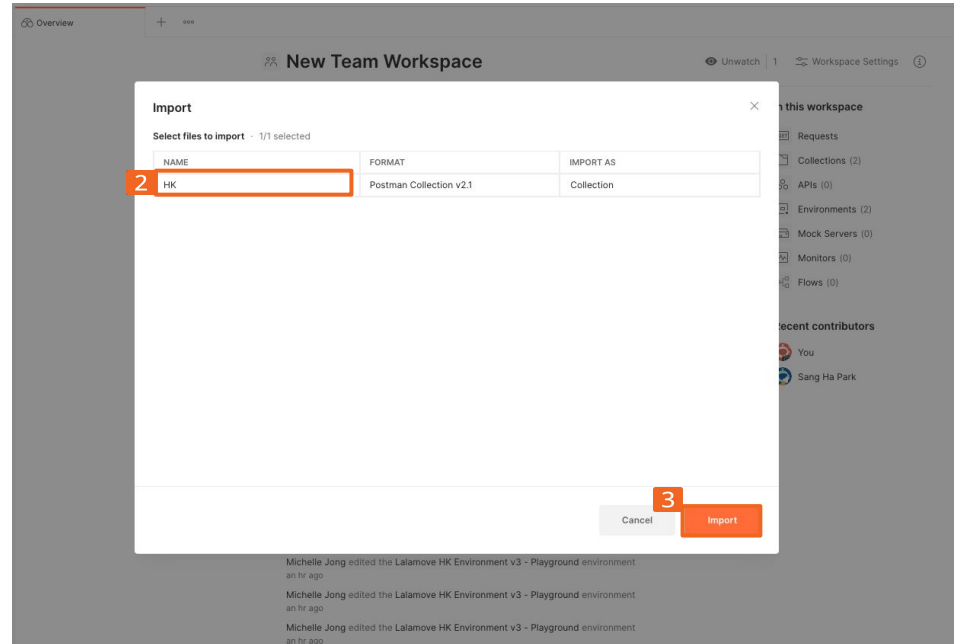
# Import the POSTMAN Collection

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

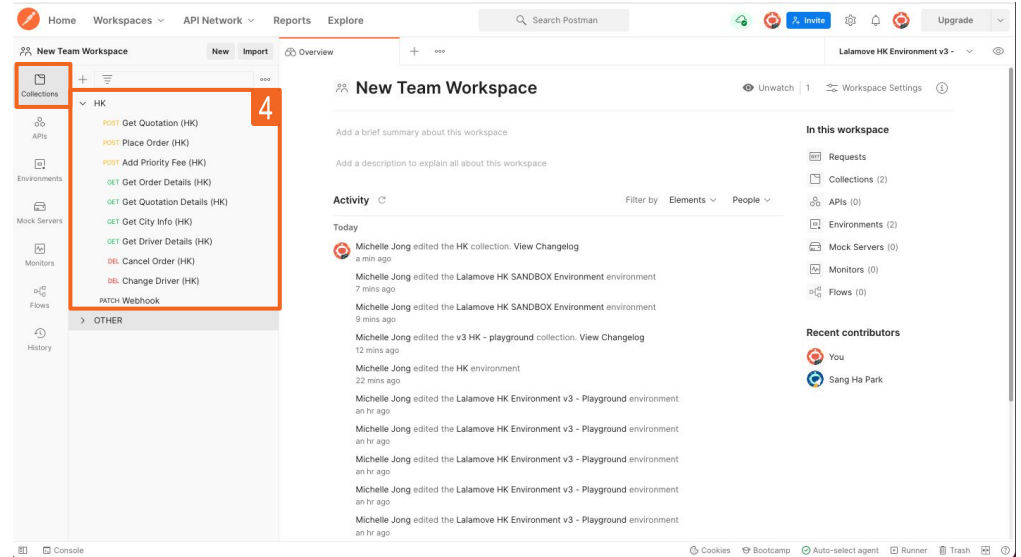


# Examine the collection

- 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.

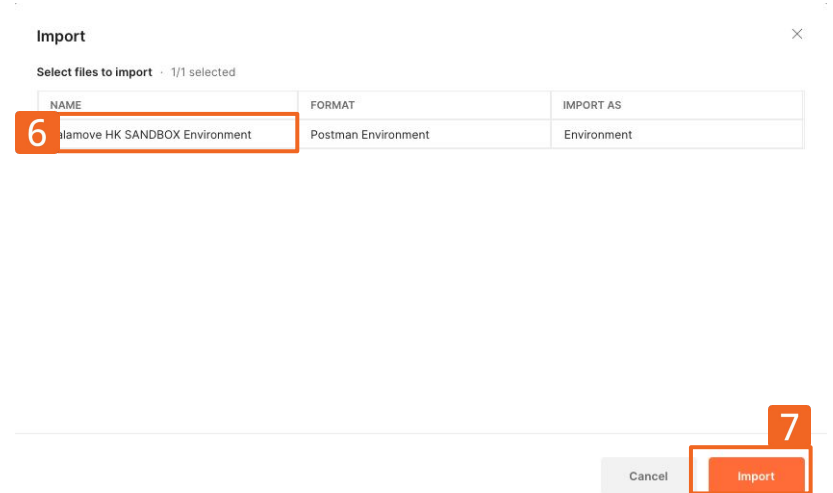
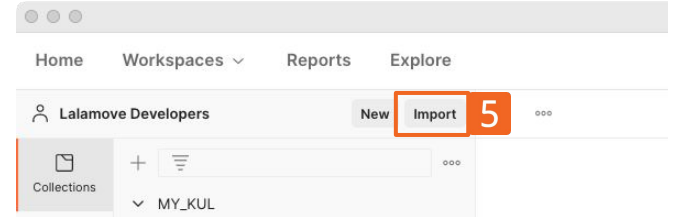
Remarks:

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.



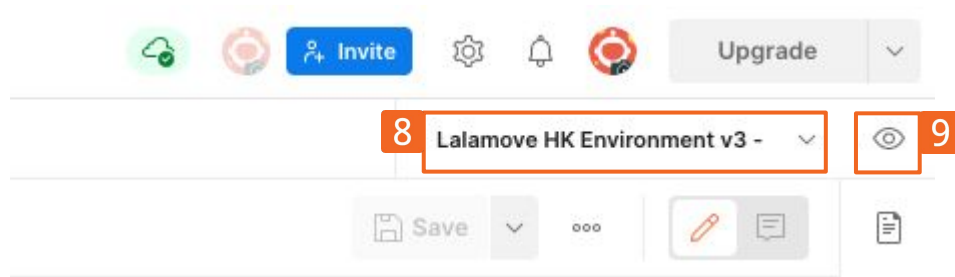
# Import the environment

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** Edit

No global variables

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

**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

HK / Get Quotation (HK)

POST Get Quotation (HK) 1

https://(hostname)/v3/quotations 2 Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

## RESPONSE

Body Cookies Headers (15) Test Results

201 Created 3 KB Save Response 3

```
1 {
2   "data": {
3     "quotationId": "1516296462378602529",
4     "scheduleAt": "2022-04-19T06:03:42.09Z",
5     "expiresAt": "2022-04-19T06:08:43.09Z",
6     "serviceType": "MOTORCYCLE",
7     "specialRequests": [
8       "TOLL_FEE_10"
9     ],
10    "language": "EN_HK",
11    "stops": [
12      {
13        "stopId": "1516296464724086300"
```

# 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.

The screenshot displays the Postman interface for a REST client request. The top section, titled "REQUEST", shows the request configuration for the endpoint `https://{hostname}/v3/quotations/{quotationId}`. The request method is GET. The "Pre-request Script" tab is active, containing the following JavaScript code:

```
1 let time = new Date().getTime();
2
3 let quotationId = pm.environment.get('quotationId');
4
5 let signature = CryptoJS.HmacSHA256(`${time.toString()}\n${GET}\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);
```

The bottom section, titled "RESPONSE", shows the response body in JSON format. The response status is 200 OK, with a response time of 1286 ms and a size of 1.28 KB. The response body is:

```
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 is titled "REQUEST" and 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": "Adrian",
      "phone": "+66923447537",
      "remarks": "YYYYYY // optional"
    }
  ],
  "isPODEnabled": true, // optional
  "isReceipientSMSEnabled": true, // optional
  "partner": "Lalamove Partner 1" // optional
}
```

The bottom section is titled "RESPONSE" and shows the response body in JSON format:

```
{
  "data": {
    "orderId": "152490308205",
    "quotationId": "151629909317100009",
    "priceBreakdown": {
      "base": "90",
      "specialRequests": "3",
    }
  }
}
```

Numbered callouts (1-5) highlight key elements: 1. The "Place Order (HK)" endpoint in the left sidebar. 2. The `stopId` values in the request body. 3. The `isPODEnabled`, `isReceipientSMSEnabled`, 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 let time = new Date().getTime();
2
3 let orderId = pm.environment.get("orderId");
4
5 let signature = CryptoJS.HmacSHA256(`${time.toString()}x\nGET\n/v3/orders/${orderId}x\nx\n`, environment['secret']);
6
```

## 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 request is a GET call to the endpoint `https://((hostname))/v3/orders/((orderid))/drivers/((driverid))`. The request body is a Pre-request Script containing the following code:

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

The response is a 200 OK status with a response time of 1541 ms and a size of 749 B. The response body is a JSON object:

```
1 {
2   "data": {
3     "driverId": "79973",
4     "name": "TestDriver 88888",
5     "phone": "+85288888888",
6     "plateNumber": "**781570*",
7     "photo": "",
8     "coordinates": {
9       "lat": "22.5758305",
10      "lng": "114.0551605",
11      "updatedAt": "2022-01-18T05:53:30.00Z"
12    }
13  }
14 }
```

Red boxes and numbers 1 through 6 highlight the following elements: 1. The selected request in the left sidebar. 2. The Pre-request Script tab. 3. The `orderId` variable. 4. The `driverId` variable. 5. The Send button. 6. The response body.

# 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.

The screenshot displays the Postman interface for a REST client request. The top section is titled "REQUEST" and shows a tab for "HK / Change Driver (HK)". The URL is `https://((hostname))/v3/orders/((orderId))/drivers/((driverId))`. The method is "DELETE". The "Pre-req." tab is selected, showing a JavaScript script with the following code:

```
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
```

The "Send" button is highlighted with a red box and the number 5. The "Pre-req." tab is highlighted with a red box and the number 2. The code lines 2, 3, and 4 are highlighted with red boxes and the numbers 3, 4, and 4 respectively. The "Change Driver (HK)" item in the left sidebar is highlighted with a red box and the number 1.

The bottom section is titled "RESPONSE" and shows the response status as "204 No Content" with a size of "536 B". The "204 No Content" status is highlighted with a red box and the number 6. The "JSON" tab is selected, and the response body is empty, indicated by the number 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.

The screenshot displays the Postman interface for a DELETE request. The request is titled "Cancel Order (HK)" and is located under the "HK" collection. The URL is `https://(hostname)/v3/orders/{orderId}`. The request method is "DELETE". The pre-request script is as follows:

```
1 let time = new Date().getTime();
2
3 let body = {};
4 let orderId = pm.environment.get("orderId");
5
6 body = JSON.stringify(body);
7
8 let signature = CryptoJS.HmacSHA256(`${time.toString()}\r\nDELETE\r\n/v3/orders/${orderId}\r\n\r\n${body}`, environment['secret']);
9
10 postman.setEnvironmentVariable('signature', signature.toString());
```

The response is "204 No Content" with a size of 536 B. The response is displayed in the "Body" tab, which is currently set to "Pretty".

# 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`
6. More details on this topic at "Appendix".

**REQUEST**

HK / Add Priority Fee (HK)

POST `https://{hostname}/v3/orders/{orderId}/priority-fee` 4 Send

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

```
1 let time = new Date().getTime();
2
3 let orderId = pm.environment.get("orderId"); 3
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?HK100220419182515570910010051367860&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.

The screenshot shows the Postman interface in the 'REQUEST' tab. The left sidebar lists various API endpoints, with 'GET Get City Info (HK)' selected and highlighted with a red box and the number '1'. The main area shows the request configuration for 'GET https://((hostname))/v3/cities'. The 'Headers' tab is active, showing a list of headers. The 'Market' header is highlighted with a red box and the number '3', with its value set to '{{market}}'. The 'Send' button is highlighted with a red box and the number '4'. The 'Host' header is highlighted with a red box and the number '2'.

Key	Value	Description
Host	<calculated when request is sent>	
User-Agent	PostmanRuntime/7.29.0	
Accept	*/*	
Accept-Encoding	gzip, deflate, br	
Connection	keep-alive	
Content-Type	application/json	
Authorization	hmac ((apikey));k((time));l((signature))	
Market	{{market}}	

The screenshot shows the Postman interface in the 'RESPONSE' tab. The status bar shows '200 OK' and '1402 ms', highlighted with a red box and the number '5'. The response body is displayed in 'Pretty' format, showing a JSON object with city information for Hong Kong.

```
1
2  "data": [
3    {
4      "locode": "HK HKG",
5      "name": "Hong Kong",
6      "services": [
7        {
8          "key": "4X4",
```

# 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.

**REQUEST**

HK

- POST Get Quotation (HK)
- POST Place Order (HK)
- POST Add Priority Fee (HK)
- GET Get Order Details (HK)
- GET Get Quotation Details (HK)
- GET Get City Info (HK)
- GET Get Driver Details (HK)
- DEL Cancel Order (HK)
- DEL Change Driver (HK)

1 PATCH Webhook

v3 HK - Playground

**RESPONSE**

Body

200 OK 2.65 s 653 B Save Resp

Pretty Raw Preview Visualize JSON

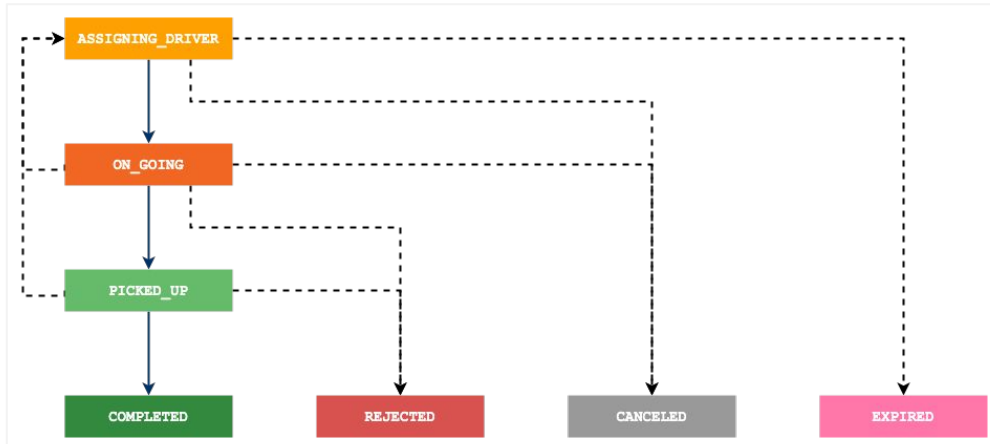
```
1 {
2   "data": {
3     "url": "https://webhook.site/e44cc811-f4c2-40cd-8507-20d5eca234db?"
4   }
5 }
```

# 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.

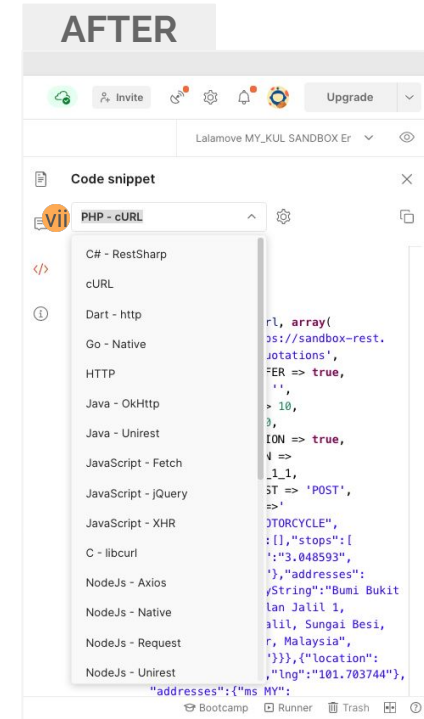
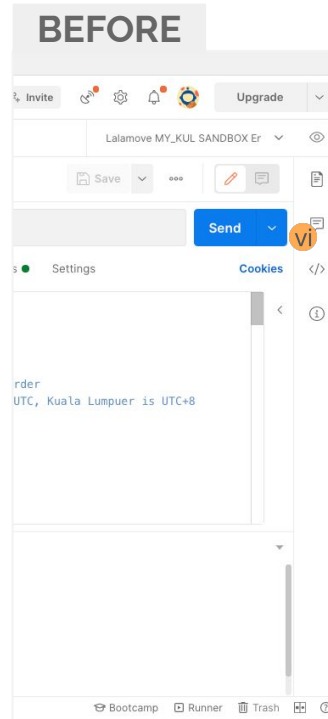
```
{  
  i "driverId": "79976",  
  ii "shareLink": "https://share.lalamove.com?US1002105043&lang=en_US&version=2&sign=62f26",  
  iii "status": "COMPLETED",  
  iv "pod": null,  
  v "price": {  
    "amount": "31.39",  
    "currency": "USD"  
  }  
}
```



# 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](https://developers.lalamove.com)

Questions? Contact [partner.support@lalamove.com](mailto:partner.support@lalamove.com)