



PhaPay Subscription

Software Development Kit (SDK)

Web API v1.0.0

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1. Subscription Workflow

1.1. Set Up Subscription Flow

- 1) Payer select the package to subscription
- 2) Platform request to Phapay for generate Qr
- 3) Phapay response QR string to Platform
- 4) Platform display QR for scanning
- 5) Payer scans and accepts the condition from the bank
- 6) The bank will return data to success to payer
- 7) The bank will notify to Phapay with authCode
- 8) Phapay will notify to Phapay with authCode as well

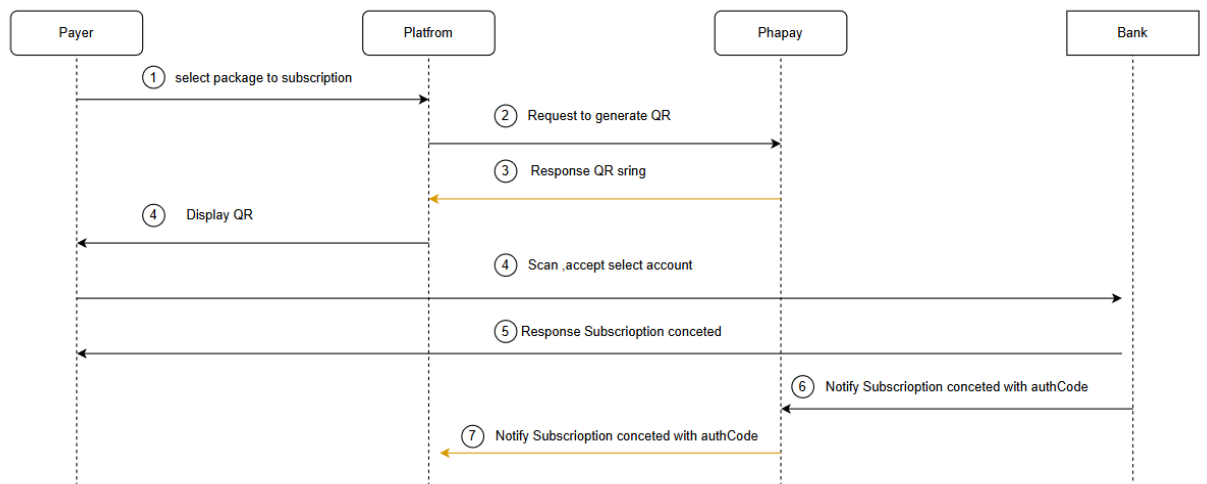


Image 01: Set Up Subscription Flow

1.2. Debit Subscription Flow

- 1) Phapay calculate the subscription date and request a debit subscription to bank
- 2) The bank will notify a subscription success to Payer
- 3) The bank will notify a subscription success to Phapay
- 4) Phapay will notify a a subscription success to Platform

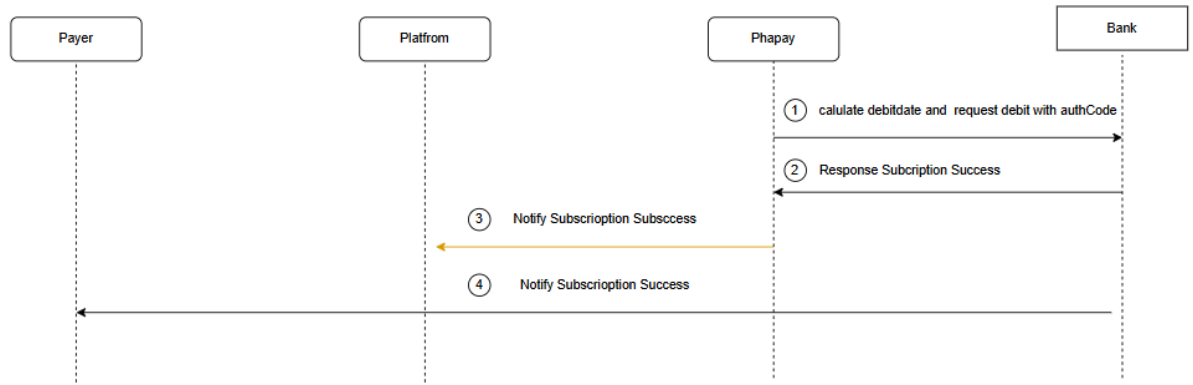


Image 02: Debit Subscription Flow

1.3 Cancel Subscription Flow (Cancel Subscription through API)

- 1) User need to cancel then requests to Platform
- 2) Platform receive a request then send to Phapay with authCode
- 3) Phapay will make a request to Bank for confirming cancel subscription
- 4) After success bank will response to Phapay
- 5) Phapay will response to Platform with success cancel
- 6) Platform will show cancel success

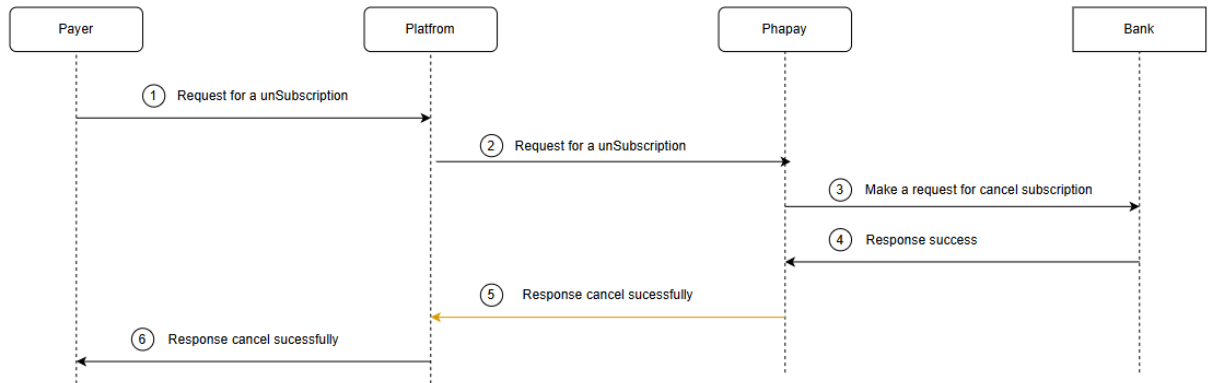


Image 03: Unsubscription through API

1.4 Cancel Subscription Flow (Subscription through Bank App)

- 1) Payer open app bank and cancel subscription
- 2) The bank will notify to Phapay for confirming
- 3) After confirming success bank will response cancel success to Payer
- 4) Phapay will notify to Platform with success cancel subscription

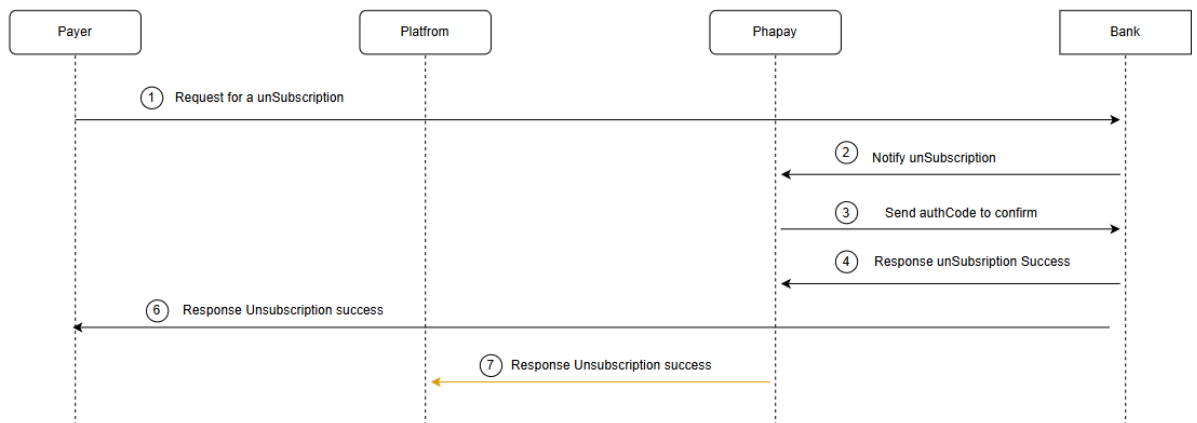


Image 04: Unsubscription through Bank App

2. Configuration

2.1 Registration

Go to <https://portal.lailaolab.la/> and make a Registration and Make a KYC and Platform will get the secret key after the KYC is approved by Phapay. You can access it on the web portal under the "Key Management" menu.

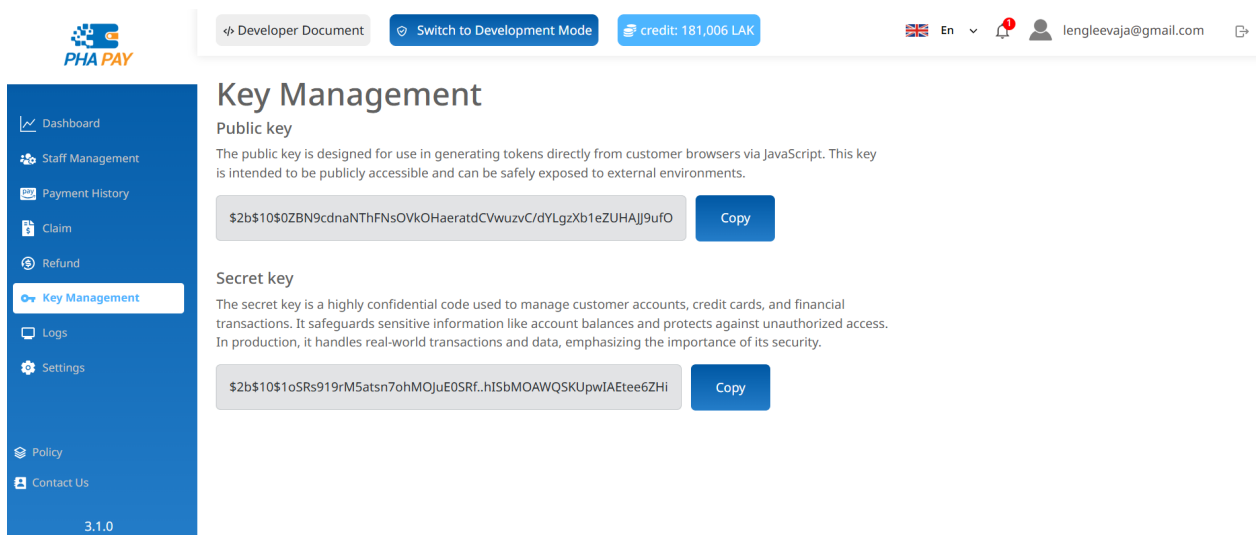
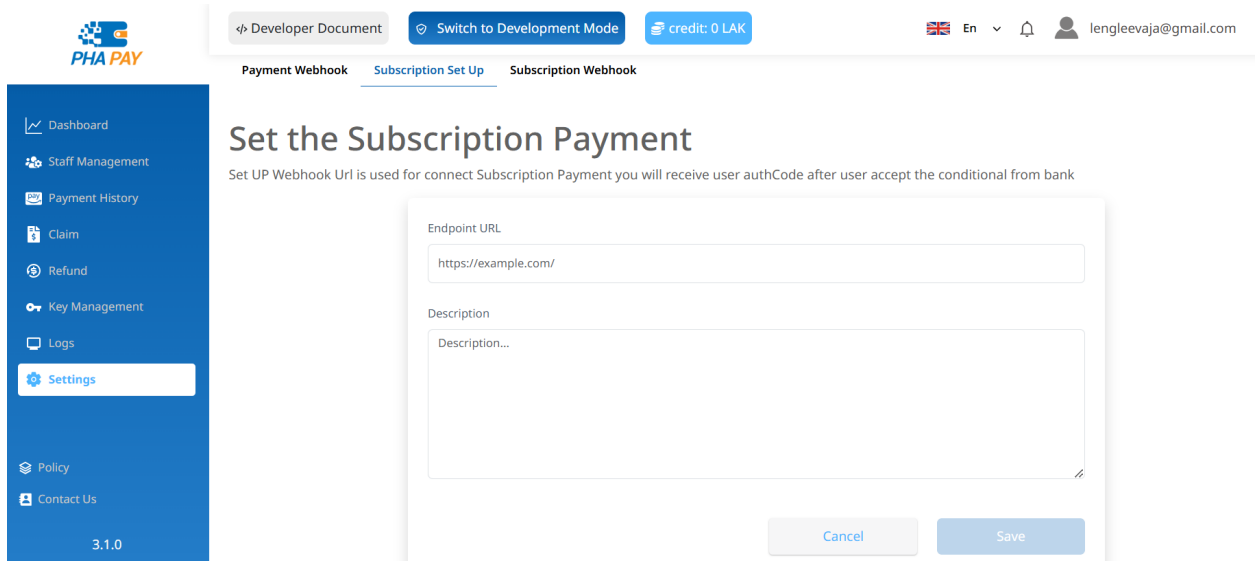


Image 05: Key Management

2.2 Subscription set up webhook

Platform must configure a subscription set up webhook for receiving data response when the user accepts the condition from the bank for subscription. go to web portal <https://portal.lailaolab.la/> after login go to settings > webhook > Subscription set up menu then add you

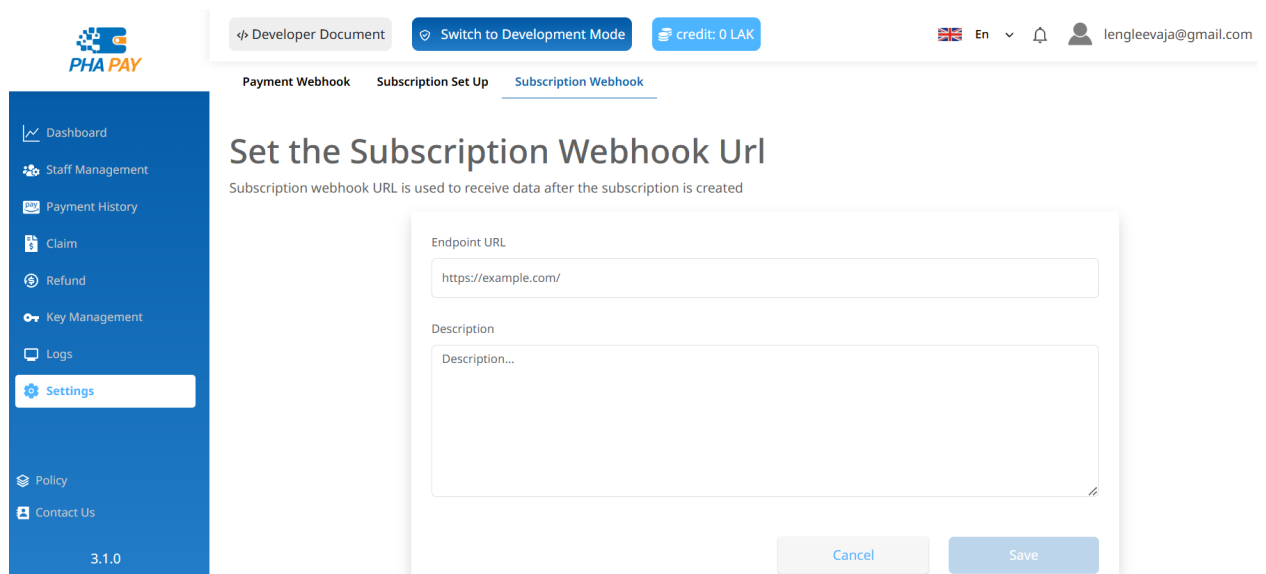


The screenshot displays the PHA PAY web portal interface. On the left is a blue sidebar menu with options: Dashboard, Staff Management, Payment History, Claim, Refund, Key Management, Logs, Settings (highlighted), Policy, and Contact Us. The version number 3.1.0 is at the bottom of the sidebar. The top header includes links for Developer Document, Switch to Development Mode, and credit: 0 LAK. On the right, there's a language selector (En), a notification bell, and a user profile icon for lengleevaja@gmail.com. Below the header, three tabs are visible: Payment Webhook, Subscription Set Up (active), and Subscription Webhook. The main content area is titled 'Set the Subscription Payment' with a subtitle: 'Set UP Webhook Url is used for connect Subscription Payment you will receive user authCode after user accept the conditional from bank'. A form is shown with two fields: 'Endpoint URL' containing 'https://example.com/' and 'Description' with a placeholder 'Description...'. At the bottom of the form are 'Cancel' and 'Save' buttons.

Image 06: Set up Subscription webhook

2.3 Subscription webhook

Platform must configure a subscription webhook for receiving data from Phapay after **debit subscription successfully** or **cancel subscription successfully**, go to web portal <https://portal.lailaolab.la/> after login go to settings > webhook > Subscription Webhook menu then add platform's subscription url



The screenshot displays the PHA PAY web portal interface. On the left is a blue sidebar menu with options: Dashboard, Staff Management, Payment History, Claim, Refund, Key Management, Logs, Settings (highlighted), Policy, and Contact Us. The version number 3.1.0 is at the bottom of the sidebar. The top header includes a 'Developer Document' link, a 'Switch to Development Mode' button, a 'credit: 0 LAK' indicator, a language selector (En), a notification bell, and a user profile icon for 'lengleevaja@gmail.com'. The main content area has tabs for 'Payment Webhook', 'Subscription Set Up', and 'Subscription Webhook' (which is active). The title 'Set the Subscription Webhook Url' is followed by the instruction: 'Subscription webhook URL is used to receive data after the subscription is created'. Below this is a form with two fields: 'Endpoint URL' containing 'https://example.com/' and 'Description' with a placeholder 'Description...'. At the bottom right of the form are 'Cancel' and 'Save' buttons.

Image 06: Subscription webhook

3. Connect subscription Payment

3.1 Generate QR

To make a payment through the Bank Platform, it is necessary to create a QR String for connecting the bank to use the Mobile Bank app to scan and make the connection

URL : <https://payment-gateway.lailaolab.com/v1/api/subscription/generate-bcel-qr>

Method : POST

HEADER: secretKey: <PLATFORM_SECRET_KEY>

1) Request body

Table 01: Generate QR request body

Field	Type	Description
maxAmount	Number	Number Max amount to be created for a transaction
subscriptionDate	Date	The subscription date "YYYY-MM-DD"
resubscriptionDays	Number	Number of days for resubscription (ex:30 for 30 days or a month)
description	String	A description of the transaction or purpose

2) Example Generate code

```
const handleSubmit = async (e) => {
  e.preventDefault();
  setIsLoading(true);
  const payloadData = {
    maxAmount: 1000,
    subscriptionDate: '2025-02-12', // recommend to use the currently date
    resubscriptionDays: 30,          // 30 days ,60 days,90 days,
    description: "This is test subscription",
  }
  const config = {
    headers: {
      secretKey: SECRET_KEY, // Platform secret key
    },
  }
  try {
    const response = await axios.post(`${URL}`, payloadData, config);
    if (response.status === 200) {
      setIsLoading(false);
      console.log("Response", response?.data);
      setQrCode(response.data?.qrCode);
    }
  } catch (error) {
    console.error("Error", error);
    setIsLoading(false);
  }
}
```

Code 01 : Example generate QR code

3) Response data

Table 02: Response Generate QR Data

Field	Type	Description
message	String	Message to tell that generate QR successfully
transactionId	String	Unique identifier for the transaction
qrCode	String	The QR string of the transaction
link	String	Deep link to access to each bank's app

4) Example generate QR response data

```
{
  "message": "SUCCESSFULLY",
  "transactionId": "c1a286f3-c5f8-48fc-94a0-6ebb7a5489e8",
  "qrCode":
    "https://api.qrserver.com/v1/create-qr-code/?size=200x200&ecc=H&data=00020101021233
    980004BCEL0118ONEPAYSUBSCRIPTION0216mch679ae2c0a187d0320SBDMQTGMVMSRUVQUZOLY0406RUL
    E-5051083030620155204729953034185802LA624602102030-06-01050410000820TAITTJVQEKRJZZJ
    UFMIR6304DABB",
  "link":
    "onipay://qr/00020101021233980004BCEL0118ONEPAYSUBSCRIPTION0216mch679ae2c0a187d0320
    SBDMQTGMVMSRUVQUZOLY0406RULE-5051083030620155204729953034185802LA624602102030-06-01
    050410000820TAITTJVQEKRJZZJUFMIR6304DABB"
}
```

Code 02 : Example generate QR code Response Data

3.2 Set Up Subscription Success

When the user scans QR code and accepts the condition from the bank for subscription, Phapay will return data to the webhook in (2.2) that configured above with method **POST** and when platform get this then return with status **200** for success

1) Response data

Table 03: Set Up Subscription Response Data

Field	Type	Description
message	String	Message to tell that subscription connected successfully
status	String	Status to tell that subscription is connected
transactionId	String	Unique identifier for the transaction
authCode	String	User is connected subscription with this code
time	String	The time that user connected successfully

2) Example subscription connected response data

```
{
  message: 'SUBSCRIPTION_CONNECTED_SUCCESSFULLY',
  status: 'SUBSCRIPTION_CONNECTED',
  transactionId: 'a8d014d4-6657-4c10-8314-39f2b59cf396',
  authCode: 'FOURDOLB9NAE',
  time: "2025-02-12 14:54:45"
}
```

Code 03 : Subscription Connected Response Data

3.3 Debit Subscription Success

When debit subscription successfully Phapay will return data to the webhook in **(2.3)** that configured above with method **POST** and when platform get this then return with status **200** for success

1) Response data

Table 04:Debit Subscription Response Data

Field	Type	Description
message	String	Message to tell that subscription connected successfully
status	String	Status to tell that subscription is completed
transactionId	String	Unique identifier for the transaction
authCode	String	User is connected subscription with this code
time	String	The time when debit subscription successfully

2) Example Debit subscription response data

```
{
  message: 'SUBSCRIPTION_SUCCESSFULLY',
  status: 'SUBSCRIPTION_SUCCESS',
  transactionId: 'a8d014d4-6657-4c10-8314-39f2b59cf396',
  authCode: 'FOURDOLB9NAE',
  time: '2025-02-12 14:54:45'
}
```

Code 04 :Debit Subscription Response Data

3.4 Cancel Subscription With Bank App

When the user cancel Subscription or unsubscription from the bank app Phapay will return data to webhook in (2.3) that configured above with method **POST** and when platform get this then return with status **200** for success

1) Response data

Table 05: Cancel Subscription

Field	Type	Description
message	String	Message to tell that unsubscription successfully
transactionId	String	Unique identifier for the transaction
authCode	String	User is connected subscription with this code
status	String	Status to tell that subscription is canceled
time	String	The time when debit subscription successfully

2) Response data

```
{
  message: 'CANCEL_SUBSCRIPTION_SUCCESSFULLY',
  status: 'CANCEL',
  transactionId: 'a8d014d4-6657-4c10-8314-39f2b59cf396',
  authCode: 'FOURDOLB9NAE',
  time: '2025-02-12 15:38:06'
}
```

Code 05 : Cancel Subscription Response Data

3.5 Cancel Subscription With API

1) Cancel subscription

In case platform need to handle cancel or unsubscription for user through Phapay API

Url : <https://payment-gateway.lailaolab.com/v1/api/subscription/cancel-subscription>

Method: POST

HEADERS: secretKey: <PLATFORM_SECRET_KEY>

2) Request body

Table 06: Cancel Subscription Request body

Field	Type	Description
authCode	String	User is connected subscription with this code

3) Example code

```
const cancelSubscription = async () => {
  const data = JSON.stringify({
    authCode: 'HBUN0J3Y0S9C',
  });
  const config = {
    headers: {
      secretKey: KEY, // SECRET_KEY
      'Content-Type': 'application/json',
    },
  };

  try {
    const response = await axios.post(`${CANCEL_URL}`, data, config);
    if(response.status === 200){
      console.log("res:::", response?.data)
    }
  } catch (error) {
    console.error('error:', error.message);
  }
};
```

Code 06 : Cancel Subscription Response Data

4) Response Data

Table 06: Cancel Subscription Response Data

Field	Type	Description
message	String	Message to tell that unsubscription successfully
transactionId	String	Unique identifier for the transaction
authCode	String	User is connected subscription with this code
status	String	Status to tell that subscription is canceled
time	String	The time when debit subscription successfully

5) Response data

```
{
  message: 'CANCEL_SUBSCRIPTION_SUCCESSFULLY',
  transactionId: 'a8d014d4-6657-4c10-8314-39f2b59cf396',
  authCode: 'FOURDOLB9NAE',
  status: 'CANCEL',
  time: '2025-02-12 15:38:06'
}
```

Code 07 : Cancel Subscription Response Data