

# How Sample Application works

## 1. Create new application in open platform

1. Go to [Open API \(openfuture.io\)](https://openfuture.io)

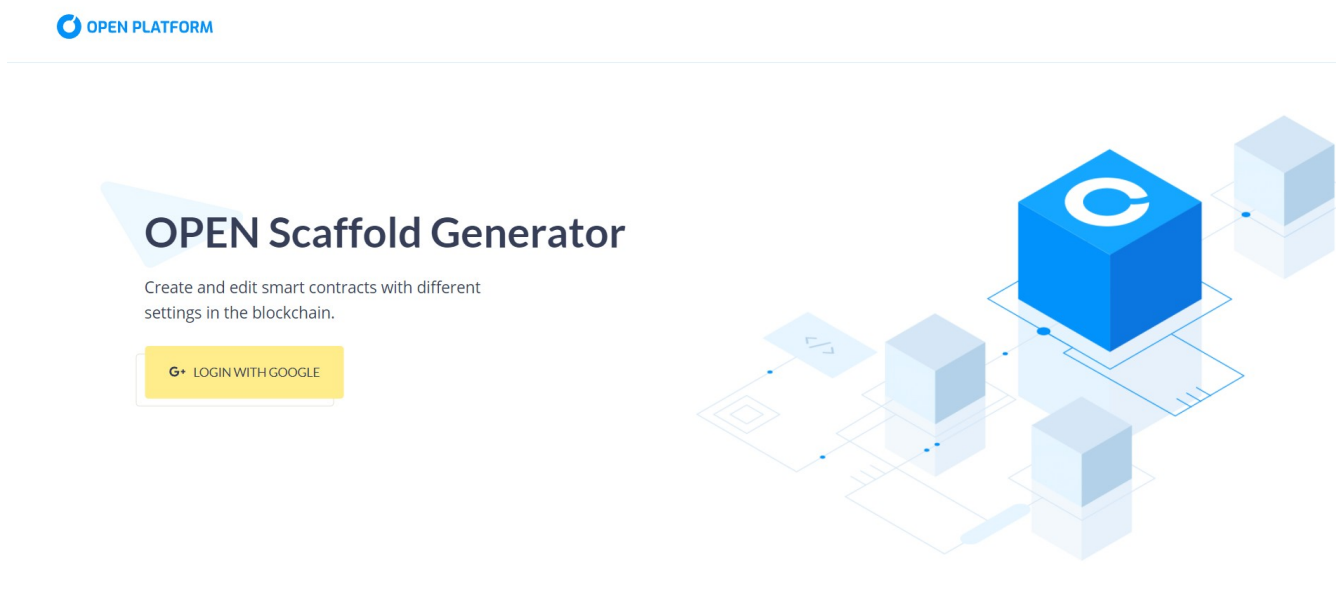


Figure 1

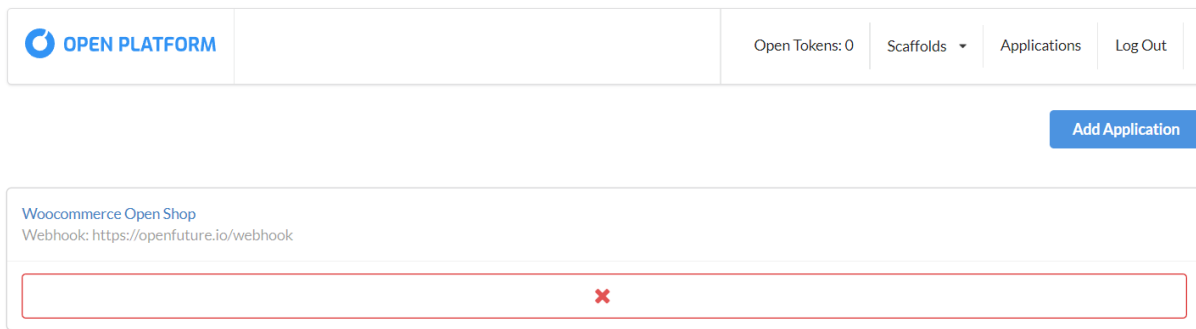
2. Login or Sign up with your Google Account

3. After successful login you will be redirected to open platform home page

		Open Tokens: 0	Scaffolds ▾	Applications	Log Out
<div>Add Scaffold</div>					
<div>Scaffold Title</div> <div>Scaffold Address: 0x55faad5ad466405018dbe4536d28858d48009677</div>					
<div>Developer Address: 0x04e5022A237B95955CA66164cCFDc40D52dFEa38</div>					
Fiat Amount: 100		Currency: USD		Scaffold Amount: 0.1675533 Ether	
Property Name: name			Datatype: STRING		

Figure 2

4. Go to *Applications* menu where you can see list of created applications

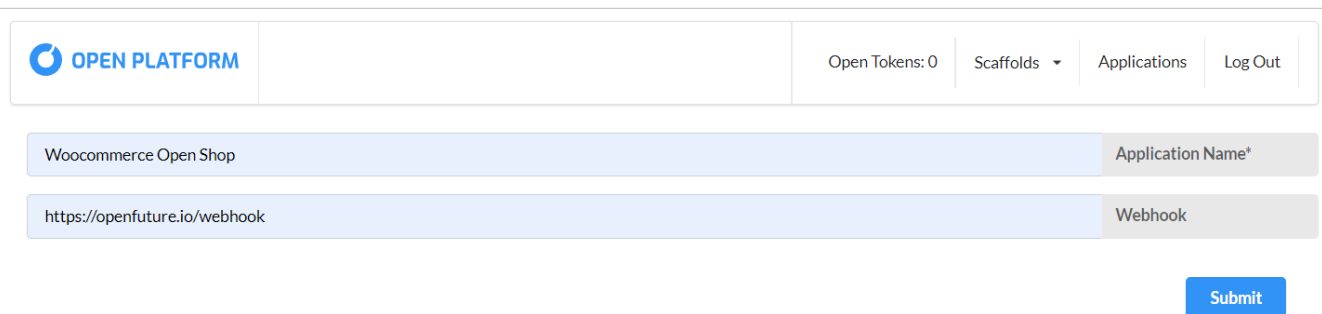


The screenshot shows the 'OPEN PLATFORM' header with navigation links: 'Open Tokens: 0', 'Scaffolds', 'Applications' (selected), and 'Log Out'. A blue 'Add Application' button is on the right. Below, a card displays 'Woocommerce Open Shop' with a webhook URL 'https://openfuture.io/webhook'. A red error bar with a red 'x' icon is at the bottom of the card.

Figure 3

5. Click *Add Application* button to create new application

Application name and webhook fields are must be filled parts. Webhook is used to send notification invocations.



The screenshot shows the 'OPEN PLATFORM' header with navigation links: 'Open Tokens: 0', 'Scaffolds', 'Applications' (selected), and 'Log Out'. Below, a form has two input fields: 'Woocommerce Open Shop' (labeled 'Application Name\*') and 'https://openfuture.io/webhook' (labeled 'Webhook'). A blue 'Submit' button is at the bottom right.

Figure 4

6. If you click any application in applications list, you will see detailed information

OPEN PLATFORM

Open Tokens: 0

Scaffolds

Applications

Log Out

Woocommerce Open Shop

Generate New Keys

Access Key  
op\_/Olu/JhQkRZQJM6WCefr

Secret Key  
op\_j4LOBCyDZcwULn4II8CB2oU7gQxOjrEJ/OFu7p7q

Generate New Address

Wallet Address	Blockchain	
0x2b3e8cec0e63143187b84fd7a1a96dd9c3fb56ab	ETH	✕
0x4235ec673fa7e4baea46fb93e0c1ce6f2591624f	BNB	✕

Figure 5

**Access/Secret keys** are used by third-party integration like our WordPress plugin. User can update their keys in case if someone accessed those keys.

**Wallet addresses** are either generated by third-party integration like our WordPress plugin or users also can generate various blockchain addresses.

OPEN PLATFORM

Open Tokens: 0

Scaffolds

Applications

Log Out

Woocommerce Open Shop

Generate New Keys

Access Key  
op\_/Olu/JhQkRZQJM6WCefr

Secret Key  
op\_j4LOBCyDZcwULn4II8CB2oU7gQxOjrEJ

Generate New Address

Generate Wallet

Blockchain:  
ETH  
ETH  
BTC  
BNB

Wallet Address	Blockchain	
0x2b3e8cec0e63143187b84fd7a1a96dd9c3fb56ab	ETH	✕
0x4235ec673fa7e4baea46fb93e0c1ce6f2591624f	BNB	✕

Figure 6

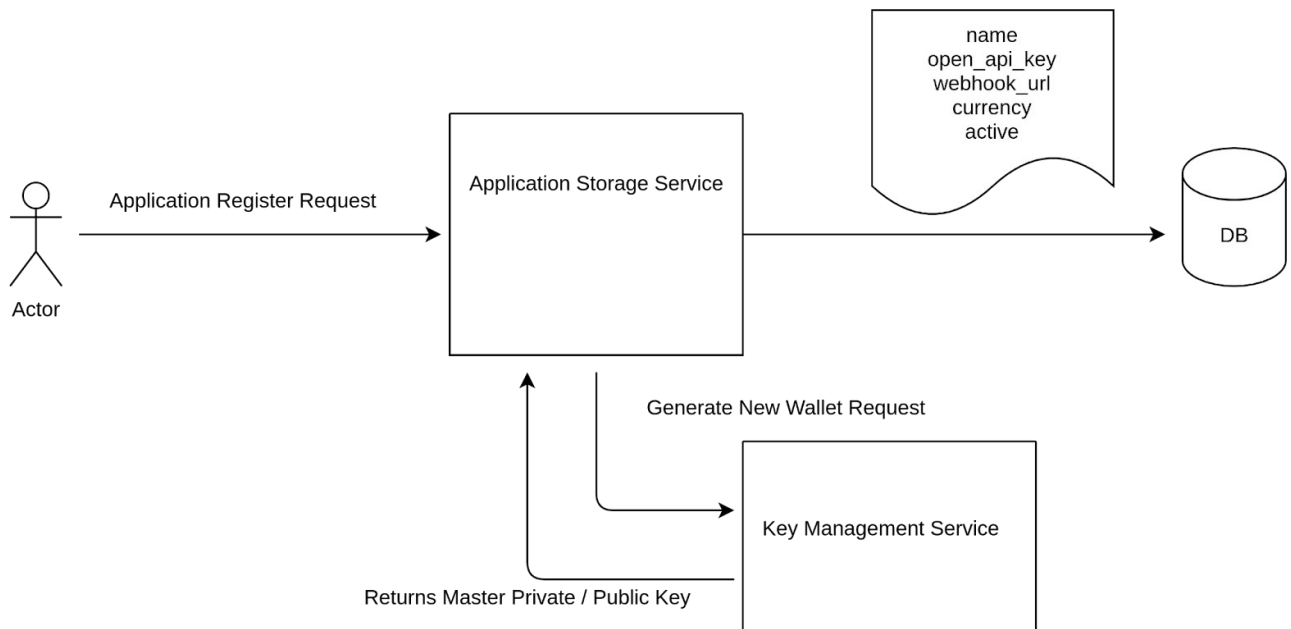


Figure 7

Private addresses and seed codes are saved in Open Key. After successful wallet generation, it's public address will be pushed to Open State to track any payment transactions for current address. So here we see 3 parts of Open Platform integrated. User sends wallet create request to Open API. Open API then sends request to Open KEY. After wallet generation, Open KEY returns only public addresses to Open API. Last step is Open API will send public address with application webhook address to Open STATE. From that stage, Open STATE starts to track transactions, and if there is any transaction, Open STATE will invoke webhook notification. Our current architecture can track interoperable blockchain transactions, and later definitions.

## 2. How to integrate WordPress Plugin

### 1. In WordPress WooCommerce installed site, go to plugins

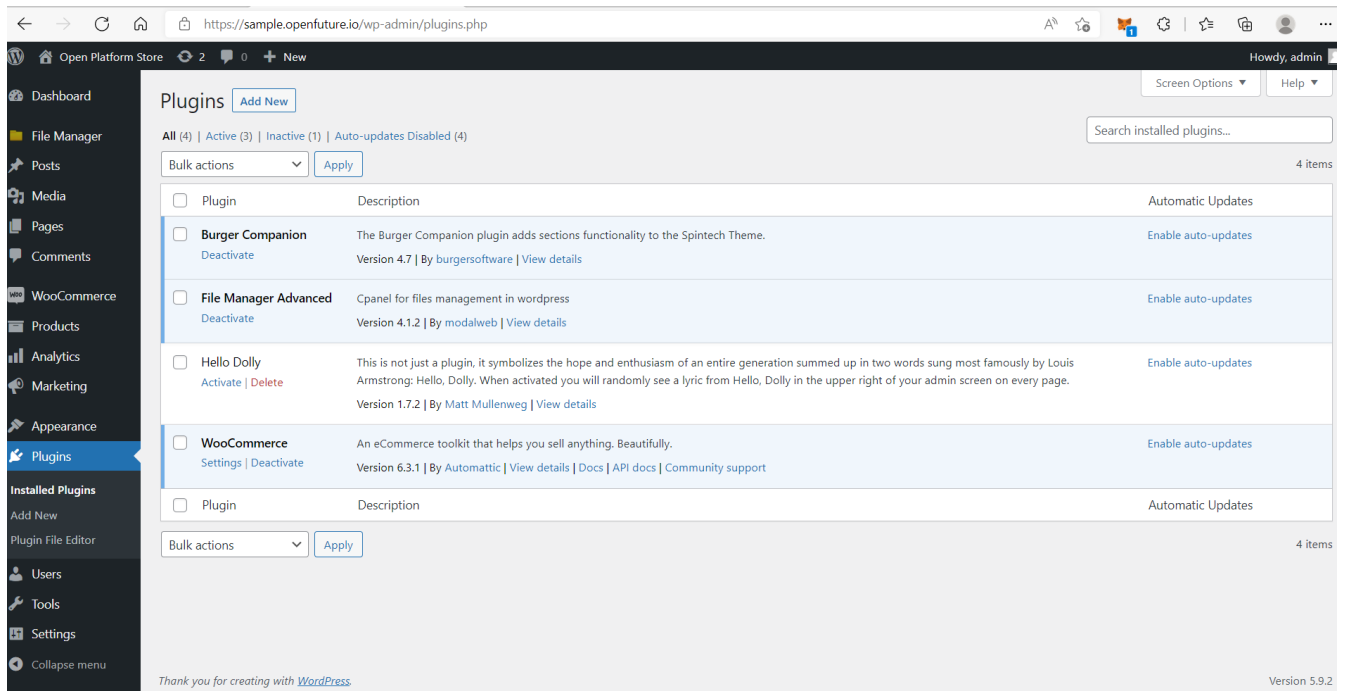


Figure 8

### 2. Click Add New button and search for open platform payment gateway

At the result page, you can see Open Platform WordPress plugin

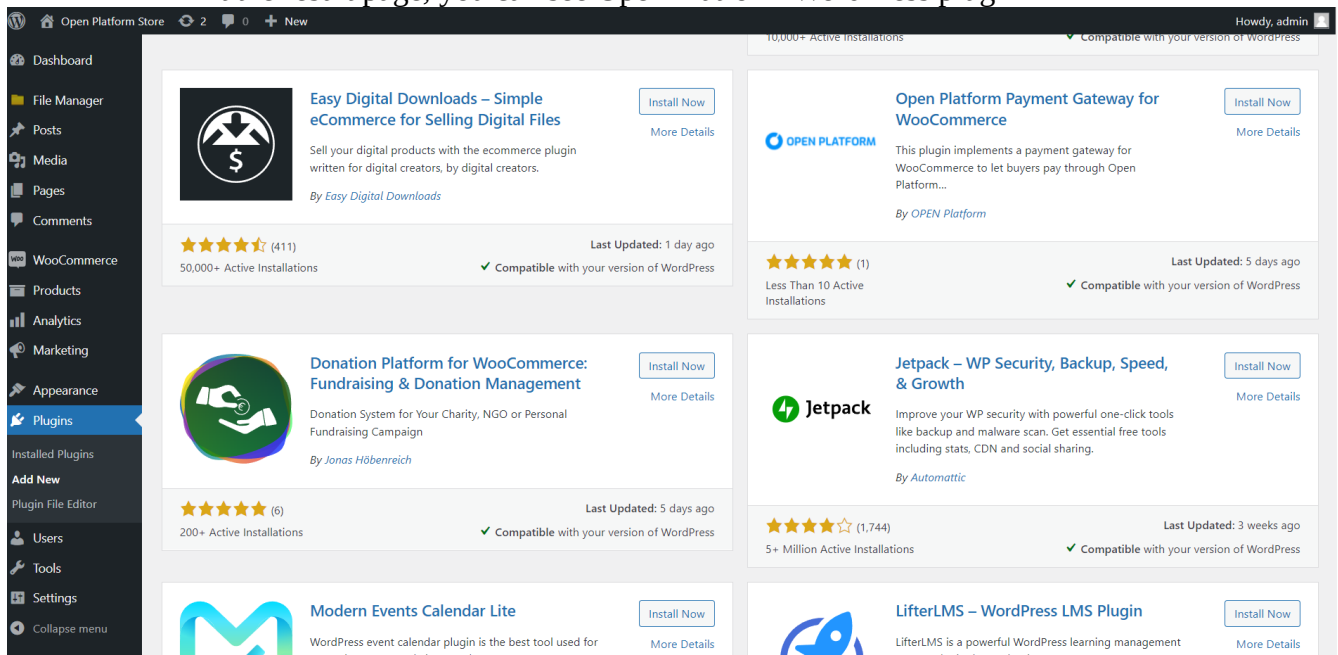


Figure 9

3. Click install now and activate, after that you can that plugin is activated

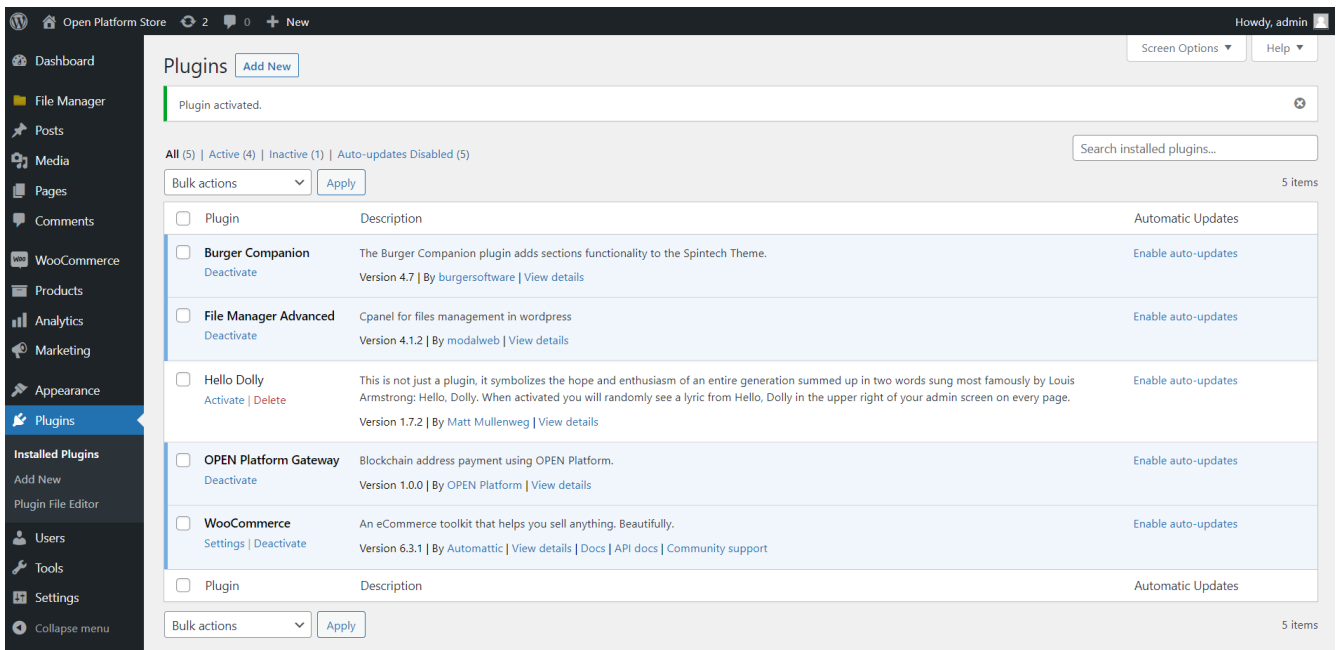


Figure 10

4. Now go to WooCommerce/Settings/Payments menu to integrate with Open Platform

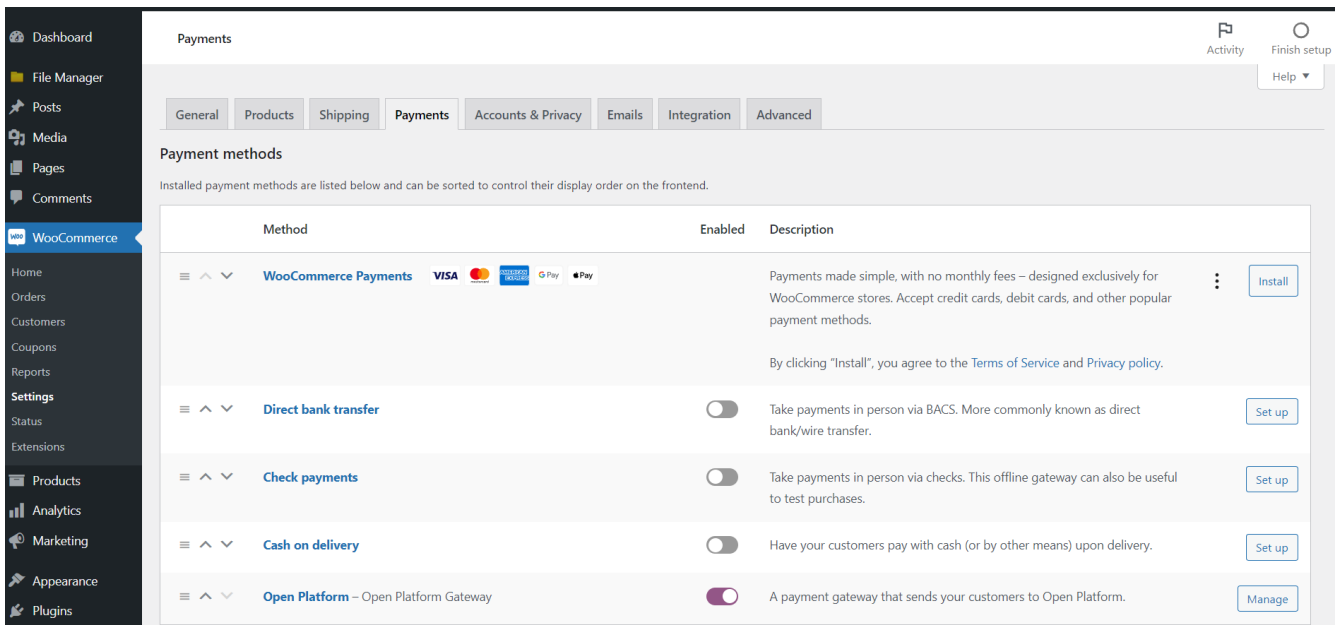


Figure 11

## 5. Enable Open Platform gateway now and manage configurations.

The screenshot displays the 'Payments' section of the WordPress admin dashboard, specifically the configuration for the 'Open Platform Gateway'. The left sidebar shows the 'WooCommerce' menu item selected. The main content area is titled 'Payments' and includes a sub-header 'A payment gateway that sends your customers to Open Platform.' The configuration fields are as follows:

- Enable/Disable:** A checkbox labeled 'Enable Open Commerce Payment' is checked.
- Title:** A text input field containing 'Open Platform Gateway'.
- Description:** A text input field containing 'Pay with Open Platform.'
- Access Key:** A text input field containing 'op\_/Olu/JhQkRZQM6WCefr'. Below the field is a note: 'You can manage your Access keys within the Open Platform Application page, available here: <https://api.openfuture.io/applications>'.
- Secret Key:** A text input field containing 'op\_j4LOBCyDZcwULn4II8CB2oU7gQxOjrEj/OFu7p7q'. Below the field is a note: 'You can manage your API keys within the Open Platform Application page, available here: <https://api.openfuture.io/applications>'.
- Test mode:** A checkbox labeled 'Enable Test Mode' is checked.
- Blockchains:** A dropdown menu with 'Bitcoin', 'Ethereum', and 'Binance' selected.
- Webhook:** A text input field containing 'https://sample.openfuture.io/?wc-api=WC\_Gateway\_Open'. Below the field is a note: 'Webhook to send ex: [https://yoursite.com/?wc-api=WC\\_Gateway\\_Open](https://yoursite.com/?wc-api=WC_Gateway_Open)'.


Figure 12

Paste **Access/Secret Keys** from Open Platform application. If user wants test, Test Mode should be enabled, Blockchains are for which of them user wants to accept payments. Also users can enable logging so that they see debug logs.

### 3. How to use plugin in a simple e-commerce website

#### 1. Add product to your cart

#### Cart

		PRODUCT	PRICE	QUANTITY	SUBTOTAL
x		Verbatim Wired Computer Mouse	\$5.99	<input type="text" value="1"/>	\$5.99
Coupon code		<input type="button" value="Apply coupon"/>			<input type="button" value="Update cart"/>

#### Cart totals

SUBTOTAL	\$5.99
TOTAL	\$5.99

Figure 13

2. After Proceed to checkout, clients can see our Open Payment Gateway as a default payment gateway to proceed

#### Your order

PRODUCT	SUBTOTAL
Verbatim Wired Computer Mouse × 1	\$5.99
	SUBTOTAL \$5.99
	TOTAL \$5.99

OPEN PLATFORM GATEWAY

Pay with Open Platform.

Your personal data will be used to process your order, support your experience throughout this website, and for other purposes described in our [privacy policy](#).

Figure 14.



3. After place order, it will be redirected to Open Widget

OPEN PLATFORM

Your Order


Amount: 5.99 USD

Remaining: 5.99 USD

0h:59m:44s

Ropsten

Binance Test



0xd625d6d92d9b1bb5ea6793204d269009f7513426

Txn Hash	From	Value	Rate
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Figure 15

On the left, information about order amount and remaining and countdown for 1h, clients must make payments during this period of time. On the right, generated wallet addresses. These addresses are actually generated by Open Platform.

OPEN PLATFORM

Open Tokens: 0 Scaffolds Applications Log Out

Woocommerce Open Shop

Generate New Keys

Access Key  
op\_/Olu/JhQkRZQJM6WCefr

Secret Key  
op\_j4LOBCyDZcwULn4II8CB2oU7gQxOjrEJ/OFu7p7q

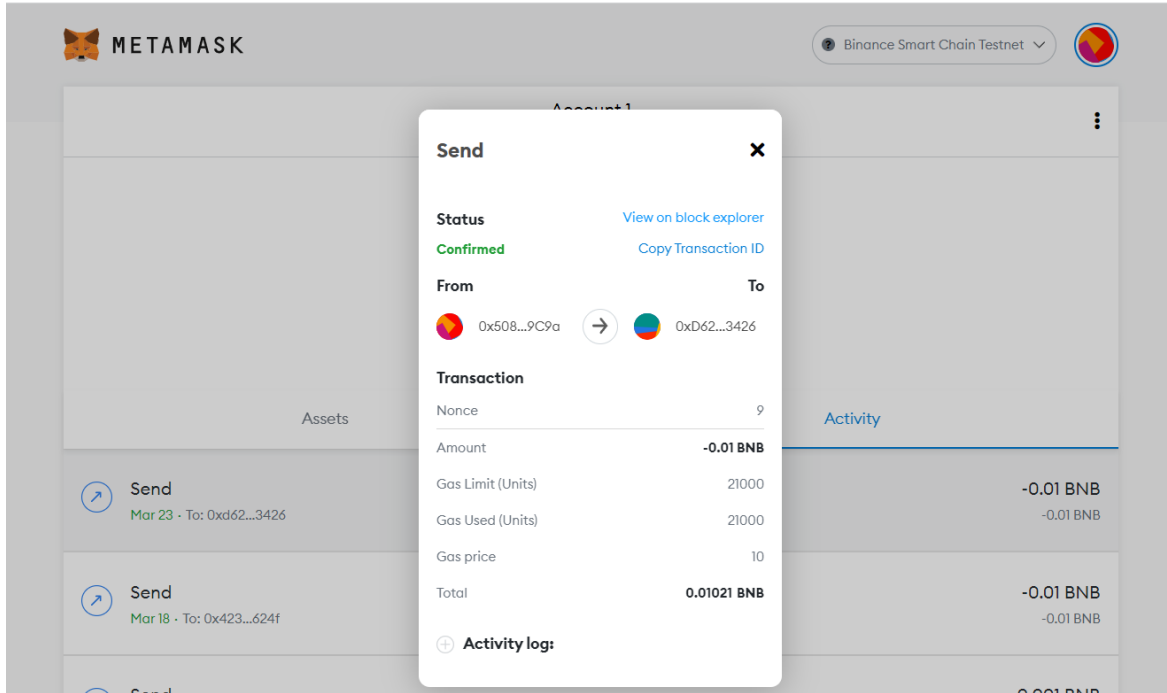
Generate New Address

Wallet Address	Blockchain	
0x2b3e8cec0e63143187b84fd7a1a96dd9c3fb56ab	ETH	×
0x4235ec673fa7e4baea46fb93e0c1ce6f2591624f	BNB	×
0xc213aadcd8a3c3deb023aab7f348818da6d8934	ETH	×
0xd625d6d92d9b1bb5ea6793204d269009f7513426	BNB	×

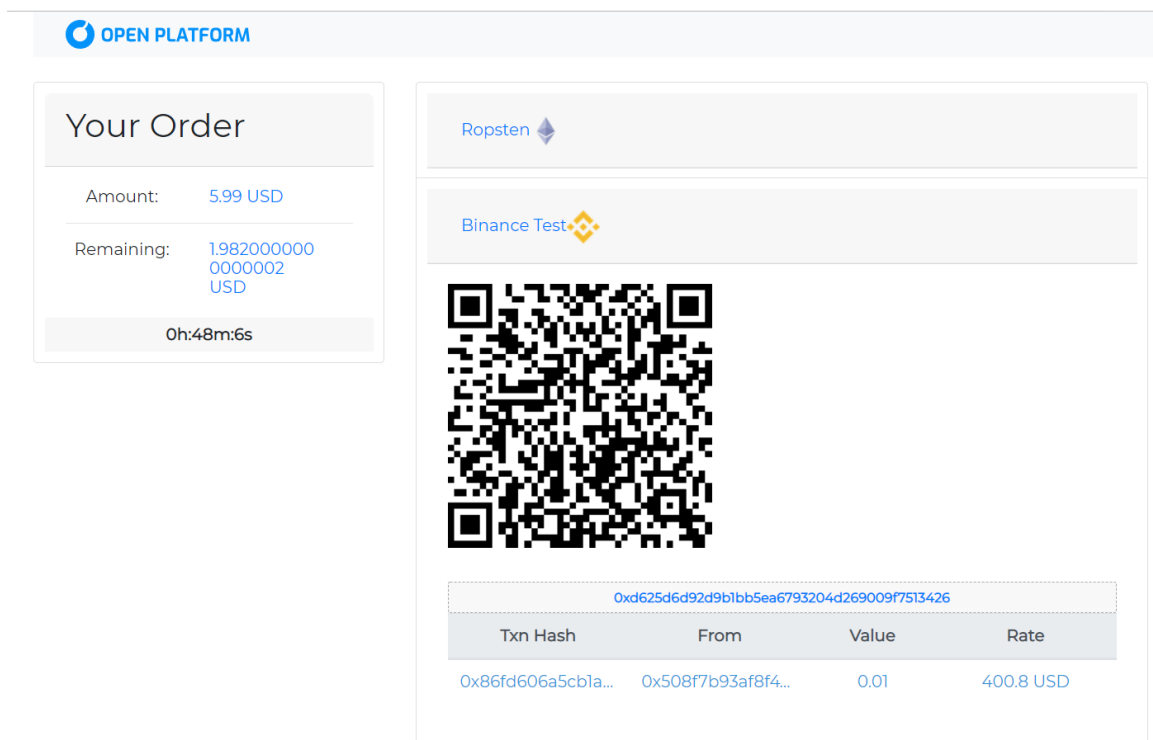
addresses and connected to Ropsten and Binance Test Smart chain networks.

## 4. How to track blockchain payments

1. Let us make payments using Metamask to Binance address



2. After successful transaction, our widget automatically updated



### 3. Let us make payments using Metamask to Ropsten address

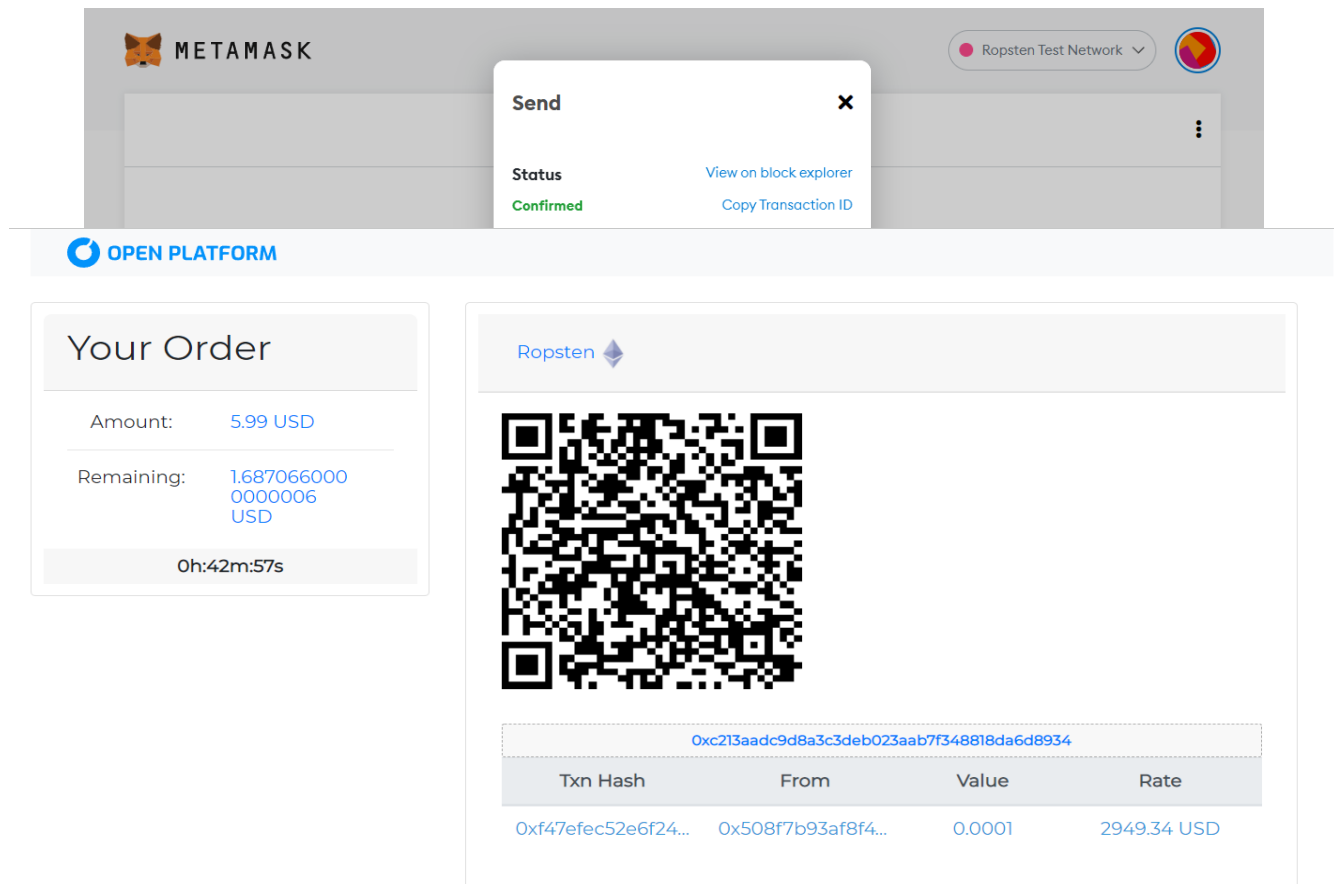


Figure 20

### 5. You can also see transactions by clicking addresses

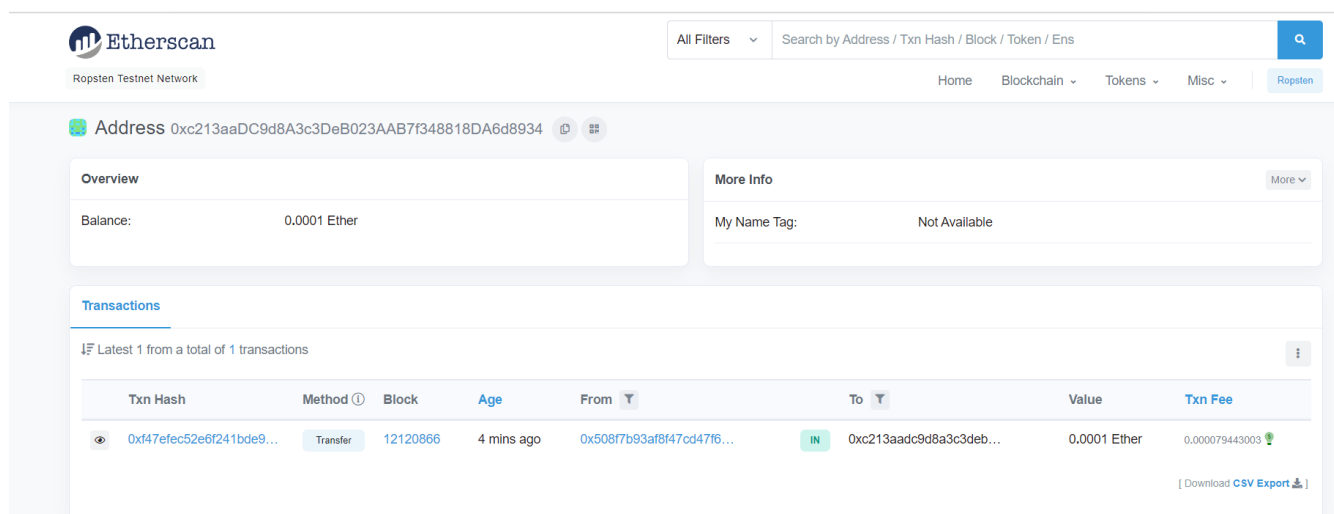


Figure 21

→ ↻ 🏠 🔍 <https://testnet.bscscan.com/address/0xd625d6d92d9b1bb5ea6793204d269009f7513426> A🗲 ⭐ 🦊 ⚙️ | ⭐ 🔒

**BscScan** Testnet  
A product of Etherscan

BSC Testnet Network Home Blockchain ▾ Validators ▾ Tokens ▾ Resources ▾ Misc ▾ Testnet

Address [0xD625D6D92d9b1BB5ea6793204d269009f7513426](#) ⌂ ⌵

**Overview**

Balance: 0.01 BNB

**More Info** ⌵

My Name Tag: Not Available

**Transactions**

🔍 Latest 1 from a total of 1 transactions ⌵

Txn Hash	Method ⓘ	Block	Age	From ⌵	To ⌵	Value	[Txn Fee]
<a href="#">0x86fd606a5cb1af80921...</a>	Transfer	17804095	10 mins ago	<a href="#">0x508f7b93af8f47cd47f6...</a>	<span style="color: green;">IN</span> <a href="#">0xd625d6d92d9b1bb5ea...</a>	0.01 BNB	0.00021

[ Download CSV Export 📄 ]

Figure 22

6. If clients made enough payments, status will be updated to completed

OPEN PLATFORM


**Your Order**

Amount: 5.99 USD

Remaining: -1.262273999  
9999997 USD

Order Completed

[Ropsten](#) ⬇



[0xc213aadc9d8a3c3deb023aab7f348818da6d8934](#)

Txn Hash	From	Value	Rate
<a href="#">0xf47efec52e6f24...</a>	<a href="#">0x508f7b93af8f4...</a>	0.0001	2949.34 USD
<a href="#">0x03737c58bca0...</a>	<a href="#">0x508f7b93af8f4...</a>	0.001	2949.34 USD

Figure 23

## 5. How it works?

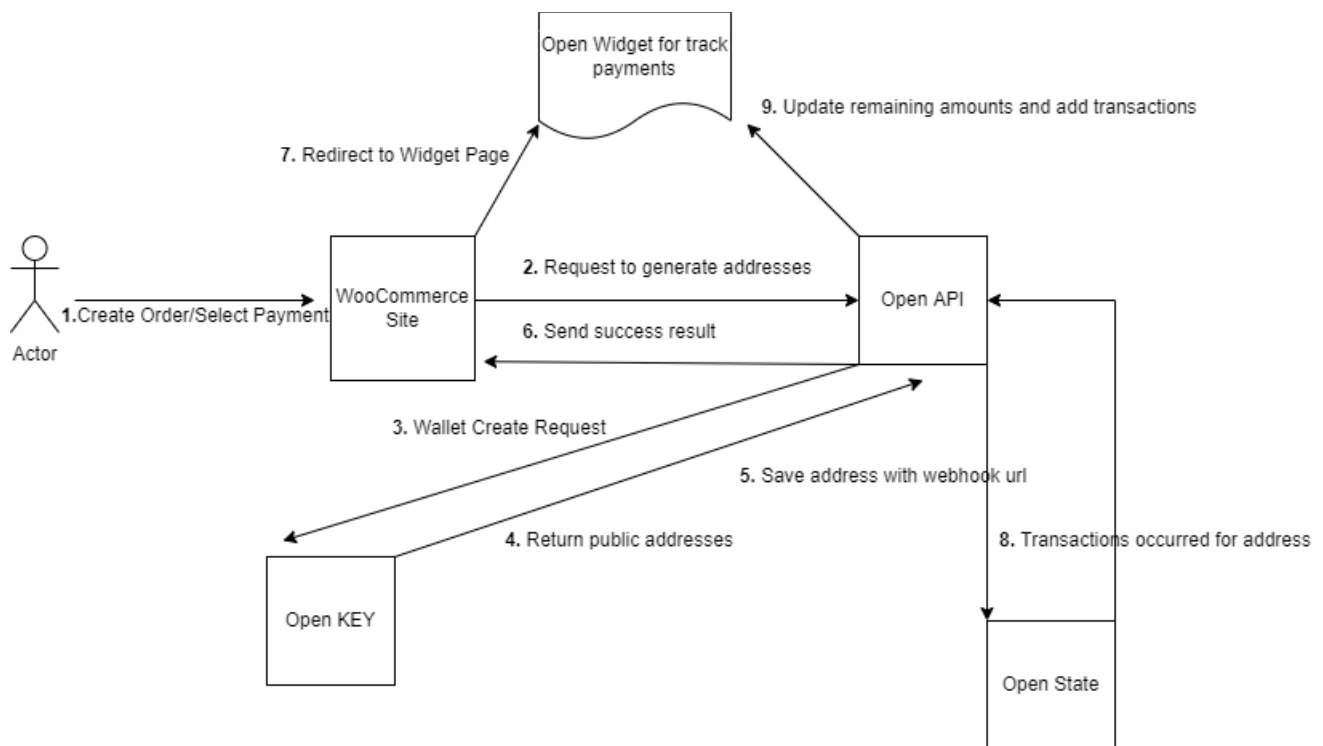


Figure 24

We get rates when clients made payment for all allowed blockchains and give them in given period finish their payments.