How Sample Application works

1. Create new application in open platform

1. Go to Open API (openfuture.io)





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
				Add Scaffold
Scaffold Title Scaffold Address: 0x55faad5ad	466405018dbe4536d28858d48009677			
Developer Address: 0x04e5022	2A237B95955CA66164cCFDc40D52dFEa3	8		
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

	Open Tokens: 0 Scaffolds - Applications Log Out
	Add Application
Woocommerce Open Shop Webhook: https://openfuture.io/webhook	
×	

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.

	Open Tokens: 0	Scaffolds 🔹	Applications	Log Out
Woocommerce Open Shop			Application	Name*
https://openfuture.io/webhook			Webhook	
				Submit

Figure 4

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

Open PLATFORM	oen Tokens: 0	Scaffolds 🔹	Applications	Log Out
Voocommerce Open Shop				
			Generate	New Keys
Access Key				
op_/Olu/JhQkRZQJM6WCefr				
Secret Key				
op_i4LOBCyDZcwULn4II8CB2oU7gQxOjrEJ/OFu7p7q				
op_+LOBCyD2cw0Li14ii8CB2007gQx0JiEJ/OFu7p7q				
up]+ropCybztworti+iigCp20078Gx0jiEj/Oru7p7q				
op_+ropcyDstwortiHil9cpso0.8dxolicp.org.b.d			Generate	New Address
Wallet Address		Blockchain	Generate	New Address
		Blockchain ETH	Generate I	New Address

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.

			Scaffolds 👻	
Access Key op_/Olu/JhQkRZQJM6WCefr Secret Key	Generate Wallet			
op_j4LOBCyDZcwULn4II8CB2oU7gQxOjrEJ	Blockchain:			
	ETH	-		
	BTC		Blockchain	
0x2b3e8c	BNB		ETH	

Figure 6

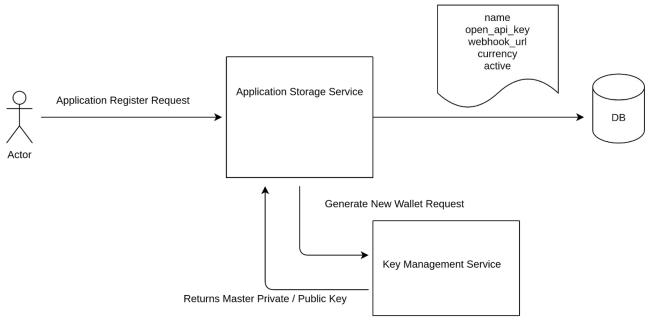


Figure 7

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

\leftarrow \rightarrow C G	https://sample.openfuture	io/wp-admin/plugins.php A ^N	ත 🍇	ଓ ∣ ⊱ @	
🚯 🖀 Open Platform St	tore 😳 2 🌹 0 🕂 New			н	lowdy, admin 📗
🚳 Dashboard	Plugins Add New			Screen Options 🔻	Help 🔻
File Manager	All (4) Active (3) Inactive (1) Au	to-updates Disabled (4)	Search in	nstalled plugins	
🖈 Posts	Bulk actions V Appl	у			4 items
9] Media	Plugin	Description		Automatic Updates	
PagesComments	Burger Companion Deactivate	The Burger Companion plugin adds sections functionality to the Spintech Theme. Version 4.7 By burgersoftware View details		Enable auto-updates	
WooCommerce	File Manager Advanced Deactivate	Cpanel for files management in wordpress Version 4.1.2 By modalweb View details		Enable auto-updates	
 Analytics Marketing 	Hello Dolly Activate Delete	This is not just a plugin, it symbolizes the hope and enthusiasm of an entire generation summed up in two words sung most famously by Loui Armstrong: Hello, Dolly, When activated you will randomly see a lyric from Hello, Dolly in the upper right of your admin screen on every page. Version 1.7.2 By Matt Mullenweg View details		Enable auto-updates	
Appearance Plugins	WooCommerce Settings Deactivate	An eCommerce toolkit that helps you sell anything. Beautifully. Version 6.3.1 By Automattic View details Docs API docs Community support		Enable auto-updates	
Installed Plugins Add New	Plugin	Description		Automatic Updates	
Plugin File Editor	Bulk actions V Appl	y			4 items
📥 Users					
🖋 Tools					
Settings					
Collapse menu	Thank you for creating with <u>WordPres</u>	s.			Version 5.9.2

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

🙆 Dashboard			10,000+ Active Installatio	ons Compatible with your version of WordPress
 File Manager Posts Media Pages Comments 	Easy Digital Downloads – Simple commerce for Selling Digital Files Sell your digital products with the ecommerce plugin written for digital creators. by digital creators. By Easy Digital Downloads	Install Now More Details	OPEN PLATFORM	Open Platform Payment Gateway for WooCommerce Install Now This plugin implements a payment gateway for WooCommerce to let buyers pay through Open Platform More Details By OPEN Platform State
 WooCommerce Products Analytics 	★★★★☆ (411) Last U 50,000+ Active Installations Compatible with your ve	Jpdated: 1 day ago rsion of WordPress	Less Than 10 Active	Last Updated: 5 days ago Compatible with your version of WordPress
Appearance Plugins Add New	Donation Platform for WooCommerce: Fundraising & Donation Management Donation System for Your Charity, NGO or Personal Fundraising Campaign By Jonas Höbenreich	Install Now More Details	🕑 Jetpack	Jetpack – WP Security, Backup, Speed, & Growth Improve your WP security with powerful one-click tools like backup and malware scan. Get essential free tools including stats, CDN and social sharing. By Automattic
ugin File Editor Users Tools	★★★★★ (6) Last Up 200+ Active Installations ✓ Compatible with your vertex	pdated: 5 days ago rsion of WordPress	★★★★☆☆ (1,744) 5+ Million Active Installa	
Settings Collapse menu	Modern Events Calendar Lite WordPress event calendar plugin is the best tool used for managing events wahrlare. Modern Events	Install Now More Details		LifterLMS – WordPress LMS Plugin Install Now LifterLMS is a powerful WordPress learning management curtem plugin that makes it assure create

Howdy, admin

Figure 9

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

🚯 🖀 Open Platform	Store 🖸	🕨 2 🔎 0 🕂 New		Но	wdy, admin 📃
Dashboard Dashboar	Plu	gins Add New		Screen Options 🔻	Help 🔻
📁 File Manager	Plu	igin activated.			0
📌 Posts					
😋 Media	All (5) Active (4) Inactive (1) Au	to-updates Disabled (5)	arch installed plugins	
📕 Pages	Bull	cactions 🗸 App	ly		5 items
Comments		Plugin	Description	Automatic Updates	
WooCommerce		Burger Companion Deactivate	The Burger Companion plugin adds sections functionality to the Spintech Theme.	Enable auto-updates	
Products		Deactivate	Version 4.7 By burgersoftware View details		
Analytics		File Manager Advanced	Cpanel for files management in wordpress	Enable auto-updates	
🕐 Marketing		Deactivate	Version 4.1.2 By modalweb View details		
🔊 Appearance	0	Hello Dolly Activate Delete	This is not just a plugin, it symbolizes the hope and enthusiasm of an entire generation summed up in two words sung most famously by Louis Armstrong: Hello, Dolly. When activated you will randomly see a lyric from Hello, Dolly in the upper right of your admin screen on every page.	Enable auto-updates	
🖆 Plugins 🔹			Version 1.7.2 By Matt Mullenweg View details		
Installed Plugins		OPEN Platform Gateway	Blockchain address payment using OPEN Platform.	Enable auto-updates	
Add New Plugin File Editor		Deactivate	Version 1.0.0 By OPEN Platform View details		
, , , , , , , , , , , , , , , , , , ,		WooCommerce	An eCommerce toolkit that helps you sell anything. Beautifully.	Enable auto-updates	
🕹 Users		Settings Deactivate	Version 6.3.1 By Automattic View details Docs API docs Community support		
差 Tools		Plugin	Description	Automatic Updates	
LT Settings			·		
Collapse menu	Bull	actions V App			5 items

Figure 10

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

nboard	ayments A	F P .ctivity	O Finish set
Manager s	eneral Products Shipping Payments Accounts & Privacy Emails Integration Advanced		Help 🔻
lia es iments	ment methods lled payment methods are listed below and can be sorted to control their display order on the frontend.		
ommerce	Method Enabled Description		
;	 WooCommerce Payments VISA Image of Payments Payments Payments	: [nstall
	Take payments in person via BACS. More commonly known as direct bank/wire transfer.	S	et up
	E A V Check payments Check payments O Take payments in person via checks. This offline gateway can also be useful to test purchases.	S	et up
	E A V Cash on delivery Have your customers pay with cash (or by other means) upon delivery.	s	et up
e	Open Platform – Open Platform Gateway A payment gateway that sends your customers to Open Platform.	Ма	inage



91 Media	Payments		F P Activity	O Finish setup
📕 Pages	-			
Comments	A payment gateway that sends your cu	stomers to Open Platform.		
👐 WooCommerce	Enable/Disable	✓ Enable Open Commerce Payment		
Home Orders	Title @	Open Platform Gateway		
Customers Coupons	Description Ø	Pay with Open Platform.		
Reports Settings	Access Key	op /Olu/JhQkRZQJM6WCefr		
Status		You can manage your Access keys within the Open Platform Application page, available here: https://api.openfuture.io/applications		
Extensions				
Products	Secret Key	op_j4LOBCyDZcwULn4ll8CB2oU7gQxOjrEJ/OFu7p7q		
Analytics		You can manage your API keys within the Open Platform Application page, available here: https://api.openfuture.io/applications		
🌪 Marketing	Test mode 🛛 🔞	✓ Enable Test Mode		
🔊 Appearance				
😰 Plugins	Blockchains Ø	Bitcoin Ethereum		
🛓 Users		Binance		
差 Tools				
E Settings	Webhook	https://sample.openfuture.io/?wc-api=WC_Gateway_Open		
Collapse menu		Webhook to send ex: https://yoursite.com/?wc-api=WC_Gateway_Open		
	Figur	e 12		

5. Enable Open Platform gateway now and manage configurations.

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
×	Verbatim Wired Computer Mouse	\$5.99	1	\$5.99
Coupon c	ode Apply coupon			Update cart
art total	e			
SUBTOTAL	\$5.99			
SUBTUTAL	\$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

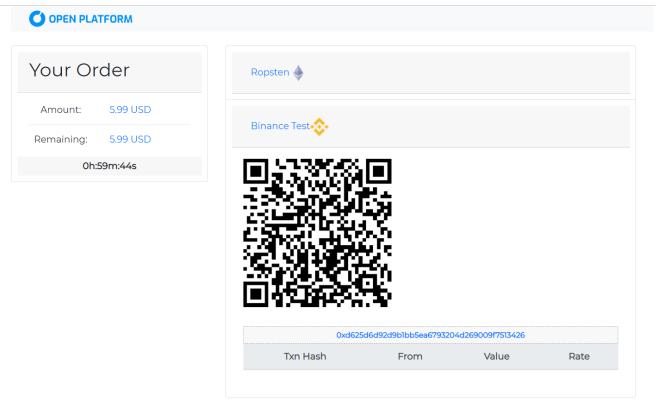
PRODUCT		SUBTOTAL
Verbatim Wired Computer Mouse × 1		\$5.99
	SUBTOTAL	\$5.99
	TOTAL	\$5.99
OPEN PLATFORM GATEWAY		
Pay with Open Platform.		

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.

Place order

Figure 14.

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





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 Token	s: 0 Scaffolds •	Applications	Log Out
Woocommerce Open Shop				
			Generate	New Keys
Access Key				
op_/Olu/JhQkRZQJM6WCefr				
Secret Key				
op_j4LOBCyDZcwULn4118CB2oU7gQxOjrEJ/OFu7p7q				
	1		Generate	New Address
Wallet Address		Blockchain		
Wallet Address				
0x2b3e8cec0e63143187b84fd7a1a96dd9c3fb56ab	. /	ETH		×
	\checkmark	ETH		× ×
0x2b3e8cec0e63143187b84fd7a1a96dd9c3fb56ab	\checkmark			

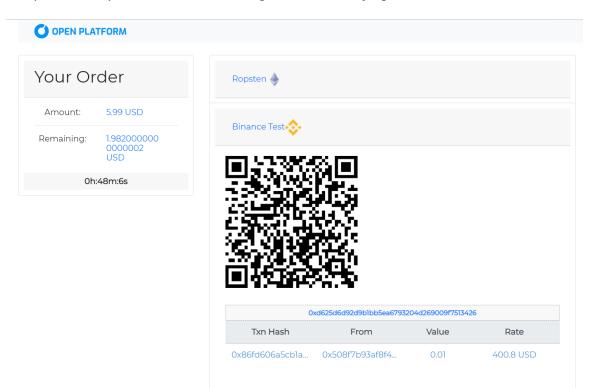
addresses and connected to Ropsten and Binance Test Smart chain networks.

4. How to track blockchain payments

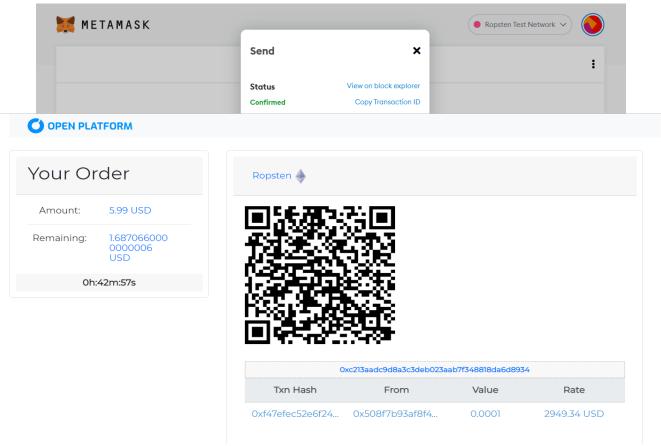
1. Let us make payments using Metamask to Binance address

	^~	count 1	
	Send	×	
	Status	View on block explorer	
	Confirmed	Copy Transaction ID	
	From	То	
	0х5089С9а	→ O xD623426	
	Transaction		
Assets	Nonce	9	Activity
	Amount	-0.01 BNB	
Send	Gas Limit (Units)	21000	-0.01 B
Mar 23 - To: 0xd623426	Gas Used (Units)	21000	-0.011
	Gas price	10	
Send	Total	0.01021 BNB	-0.01 B

2. After successful transaction, our widget automatically updated



3. Let us make payments using Metamask to Ropsten address





5. You can also see transactions by clicking addresses

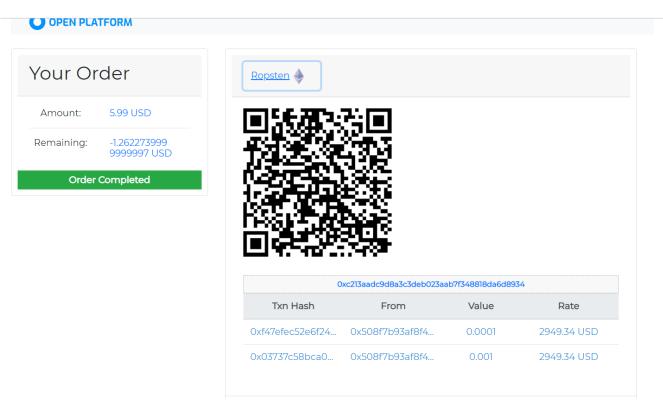
Ropsten	Testnet Network							Home	Blockchain 🗸	Tokens 🗸	Misc 🗸	Rop
🎒 Ac	dress 0xc213aaDC9d8	A3c3DeB023	AAB7f34881	8DA6d8934								
Overv	view					More Info						More
Balan	ce:	0.0001 Ether				My Name Tag	:	Not Available	e			
Trans	actions											
↓F Lat	test 1 from a total of 1 transact	ions										
	Txn Hash	Method (i)	Block	Age	From T		т	o T	Val	lue	Txn Fee	
۲	0xf47efec52e6f241bde9	Transfer	12120866	4 mins ago	0x508f7b93af8f4	7cd47f6	IN 0	xc213aadc9d8a3c3deb	0.0	001 Ether	0.000079443003	<u>\$</u>
											[Download CSV E	

Figure 21

→ C A b https://testnet.bscscan.com/address/0xd625d6d92d9b1bb5ea6793204d269009f7513426								A* to 🐹	(3 ੯≡	Ē		
BSCSCAN A product of Ethorscan					F	All Filters	v	Search by Address / Tx	n Hash / Block	/ Token Resources ~	Misc ~	Q Testnet
Address 0xD625D6D92d98	b1BB5ea679	3204d269009f	7513426 🗅 🔡									
Overview					More	Info						÷
Balance: 0	.01 BNB				My Na	ime Tag:		Not Available				
Transactions												
↓F Latest 1 from a total of 1 transaction	ons											:
Txn Hash	Method (i)	Block	Age	From T				То Т		Value	[Txn Fe	e]
• 0x86fd606a5cb1af80921	Transfer	17804095	10 mins ago	0x508f7b93af8f47	cd47f6.		IN	0xd625d6d92d9b11	ob5ea	0.01 BNB	0.00021	
										ſ	Download CSV E	xport 🛓]

Figure 22

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





5. How it works?

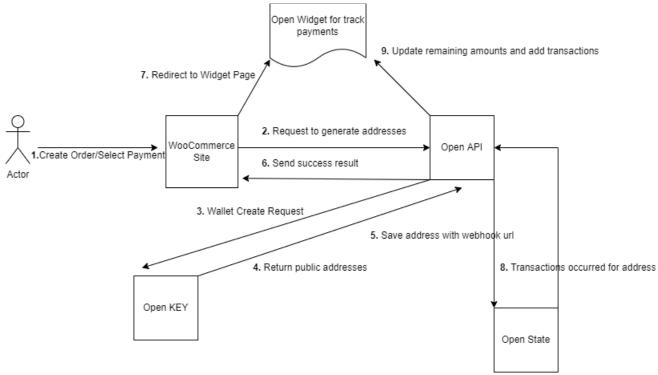


Figure 24

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