

CyberSource Payment v4.0.1

Introduction- CyberSource Payment Extension

CyberSource payment gateway is a solution that provides fraud management and payment security services. Hence, allowing the merchants to securely accept payments from the customers.

CyberSource Payment Gateway enables you to accept payments securely, without involving the risks in handling payment data.

So additionally, this solution enables you to deliver seamless payment experiences to consumers.

This module supports the SOAP toolkit API for capturing the payment and for refunds. Additionally, it supports all kinds of cards. For example, Visa, Mastercard, American Express, Discover, Diners Club, Carte Blanche, etc.

Please Note:

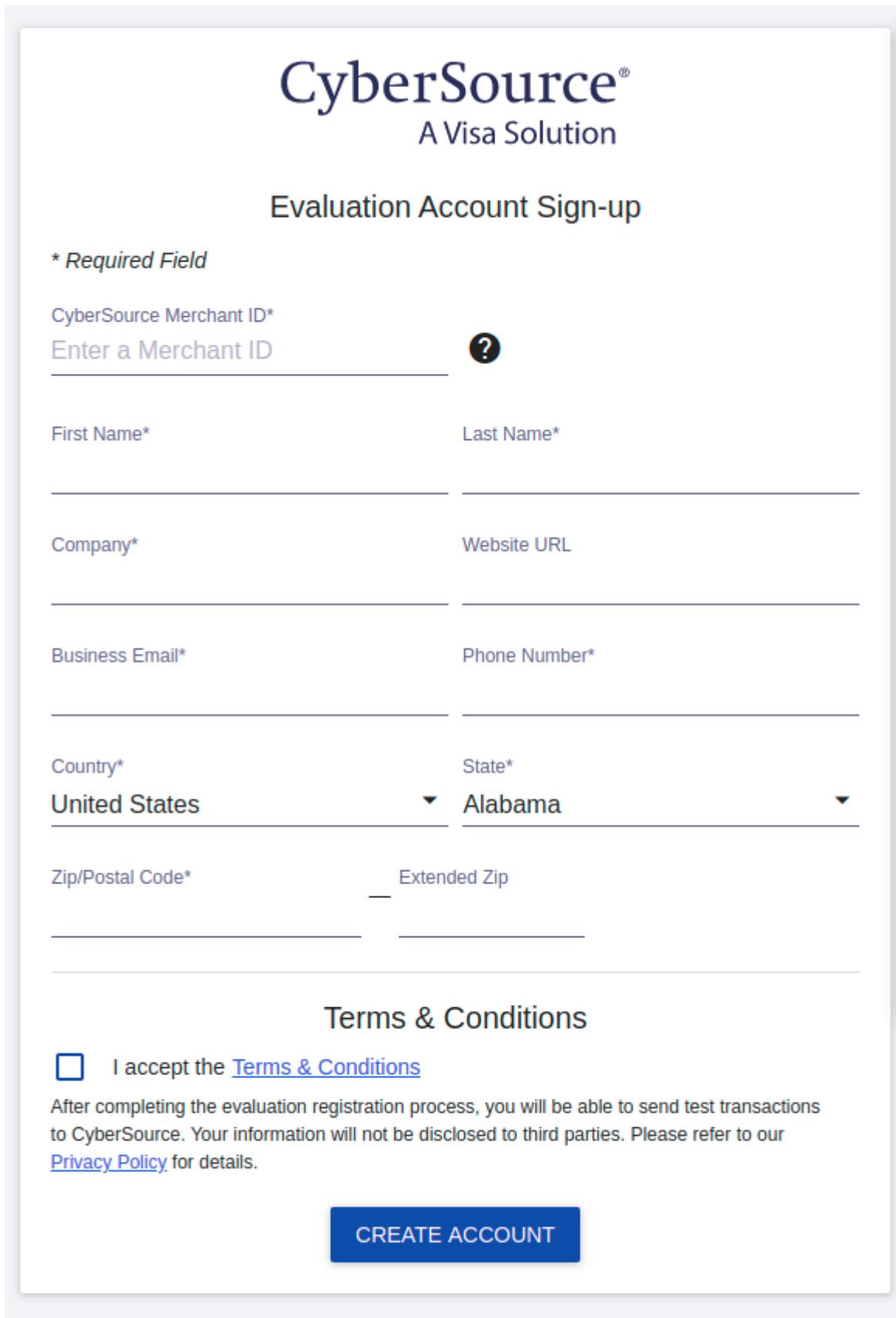
- This module does not work with Multiple Address Checkout.
- The module sends a device fingerprint id to Cybersource. However, because the service is not enabled on our account (available only on paid accounts) and this plugin compatible with 3DS.
For the Merchant Defined Data (MDD) query, only then the decision-maker can proceed with the same to exactly decide with all merchant defined data needs to be added. As this is a paid service.
- The payment method will not work for the orders placed through the admin end.

Features

- Provides fully secure payment to handle risk management system.
- It provides support for almost all kinds of cards.
- Avoids handling or storing sensitive customer data.
- Set the new order status from the configuration.
- Set a custom title for the payment method.
- Test mode is available.
- CyberSource Secure Acceptance Web/Mobile Hosted Checkout method supported.
- Manage all payment transactions on the CyberSource server only.
- Bypasses store server & transfers data directly from customer browser to CyberSource server.
- SOAP toolkit API supported for capture and refund.

CyberSource Configuration

For the setting up of the payment method, the admin needs to create an account on **CyberSource**.



The image shows a web form for creating a CyberSource evaluation account. The form is titled "CyberSource® A Visa Solution Evaluation Account Sign-up". It includes several required fields marked with an asterisk: "CyberSource Merchant ID*", "First Name*", "Last Name*", "Company*", "Website URL", "Business Email*", "Phone Number*", "Country*", "State*", "Zip/Postal Code*", and "Extended Zip". The "Country" dropdown is set to "United States" and the "State" dropdown is set to "Alabama". There is a help icon (question mark) next to the Merchant ID field. Below the form, there is a "Terms & Conditions" section with an unchecked checkbox and the text "I accept the Terms & Conditions". A blue button labeled "CREATE ACCOUNT" is at the bottom.

CyberSource®
A Visa Solution

Evaluation Account Sign-up

** Required Field*

CyberSource Merchant ID*
Enter a Merchant ID 

First Name* Last Name*

Company* Website URL

Business Email* Phone Number*

Country* State*

United States Alabama

Zip/Postal Code* Extended Zip

Terms & Conditions

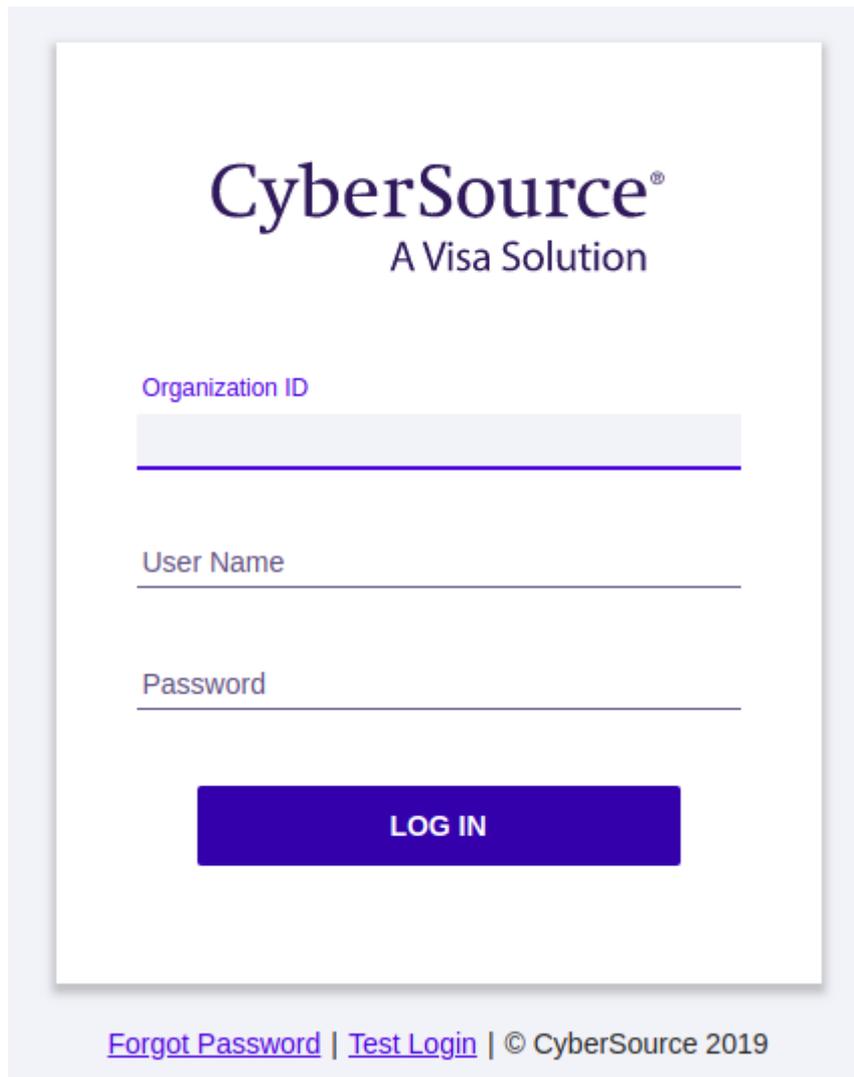
I accept the [Terms & Conditions](#)

After completing the evaluation registration process, you will be able to send test transactions to CyberSource. Your information will not be disclosed to third parties. Please refer to our [Privacy Policy](#) for details.

CREATE ACCOUNT

After that, they need to **Login** on their CyberSource account to get the **credentials** for the configuration of the module.

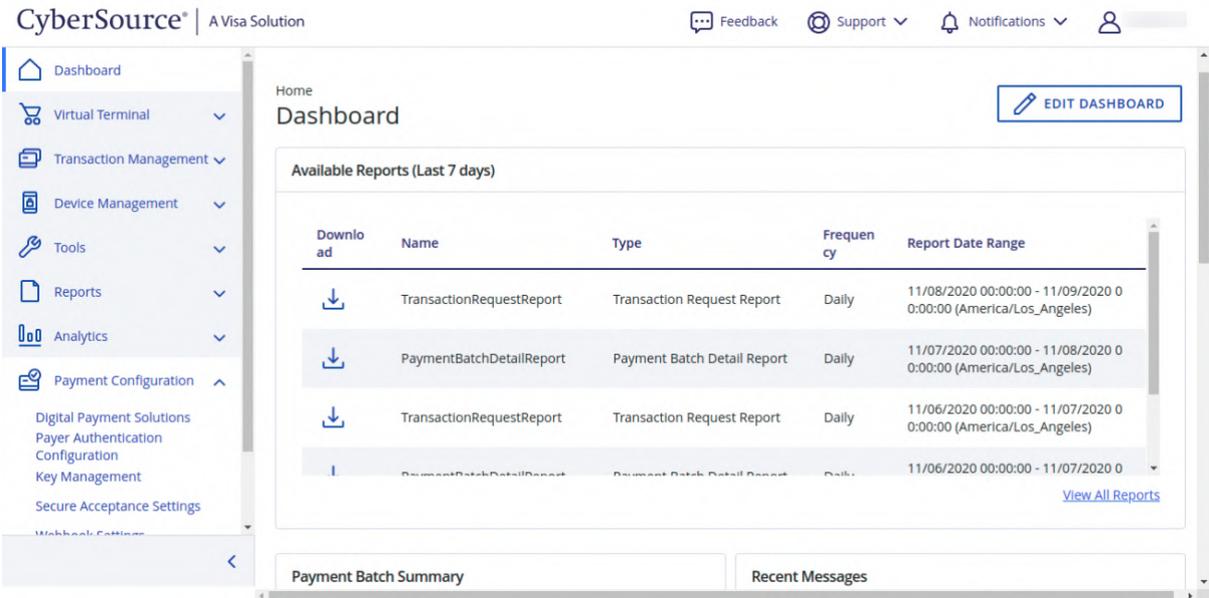
So, for **log in** to CyberSource, they need to go to [CyberSource Login](#).



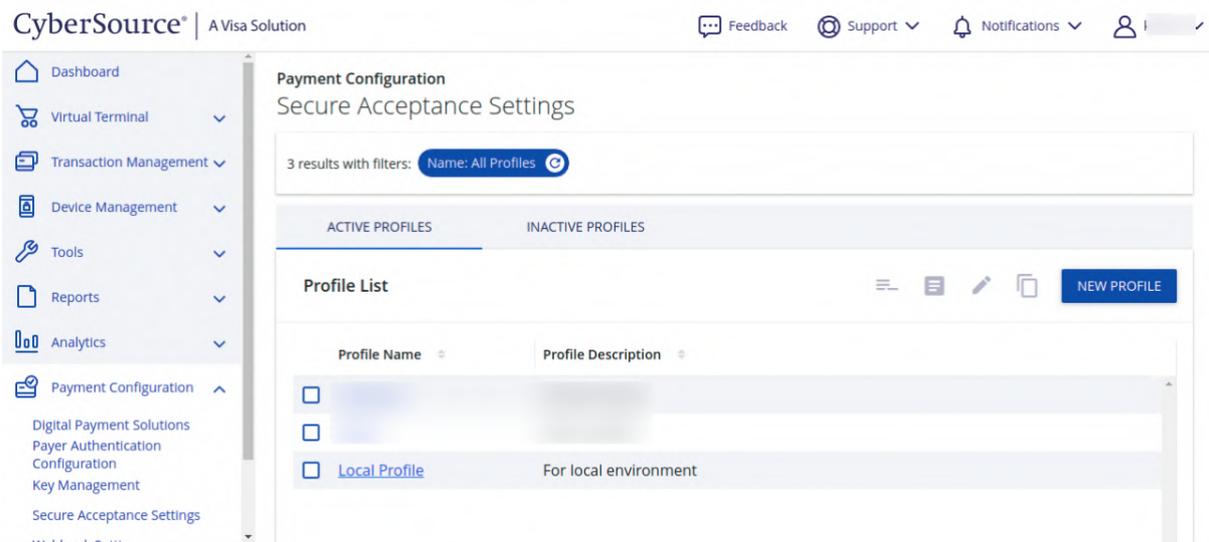
The image shows the CyberSource login interface. At the top, the CyberSource logo is displayed with the tagline "A Visa Solution". Below the logo, there are three input fields: "Organization ID", "User Name", and "Password". Each field is represented by a horizontal line. A prominent blue "LOG IN" button is centered below the input fields. At the bottom of the form, there are two links: "Forgot Password" and "Test Login", followed by the copyright notice "© CyberSource 2019".

After **Login**, for the **Profile ID**, **Access Key**, and **Secret Key**, the admin has to follow the below path:

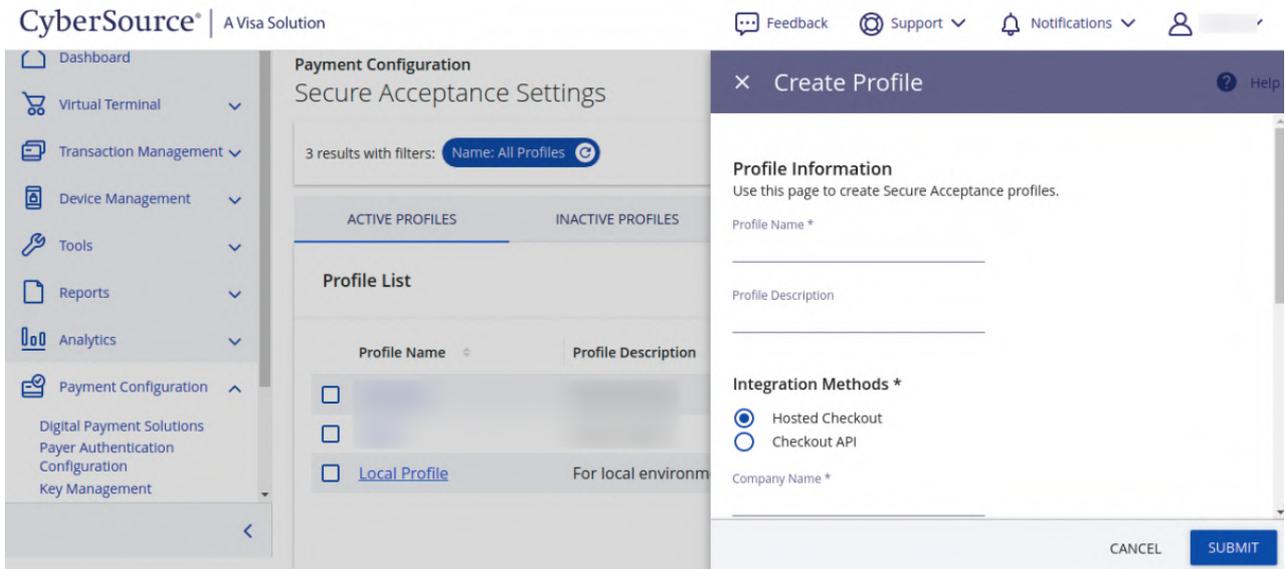
Payment Configuration > Secure Acceptance Settings as per below image:



Under **Secure Acceptance Settings**, the admin can see all the created profile list as shown below:



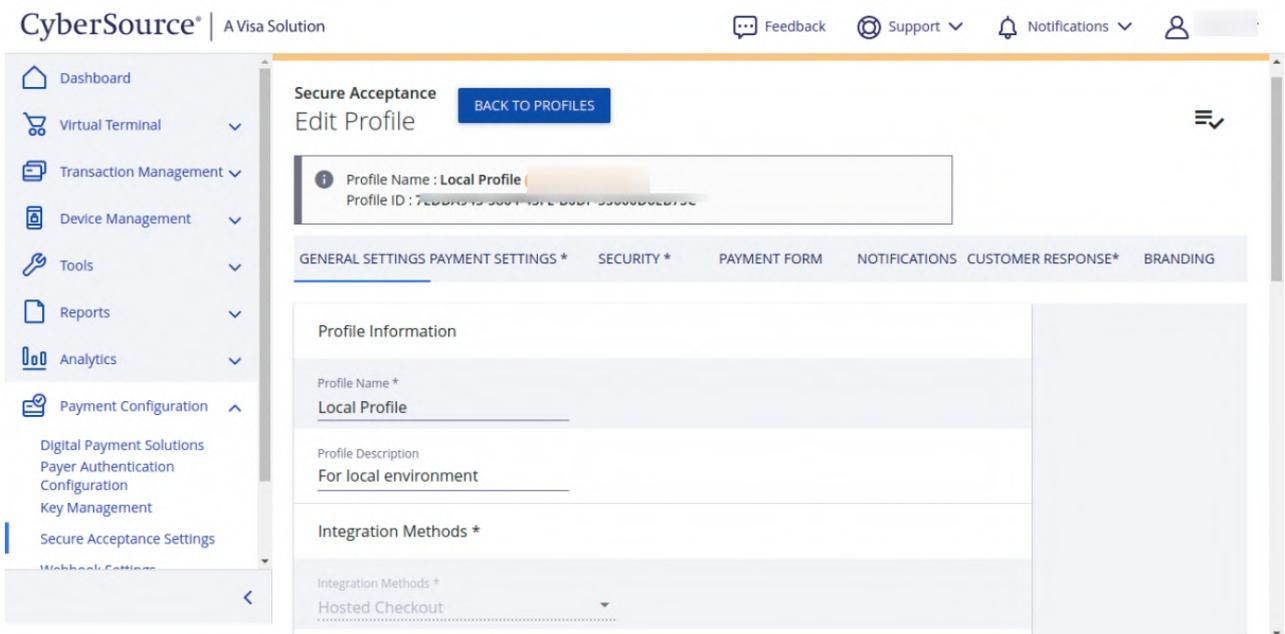
From here, the admin can also create a new profile:



After the successful creation of the profile, the admin can retrieve the **Profile Id** of the created profile.

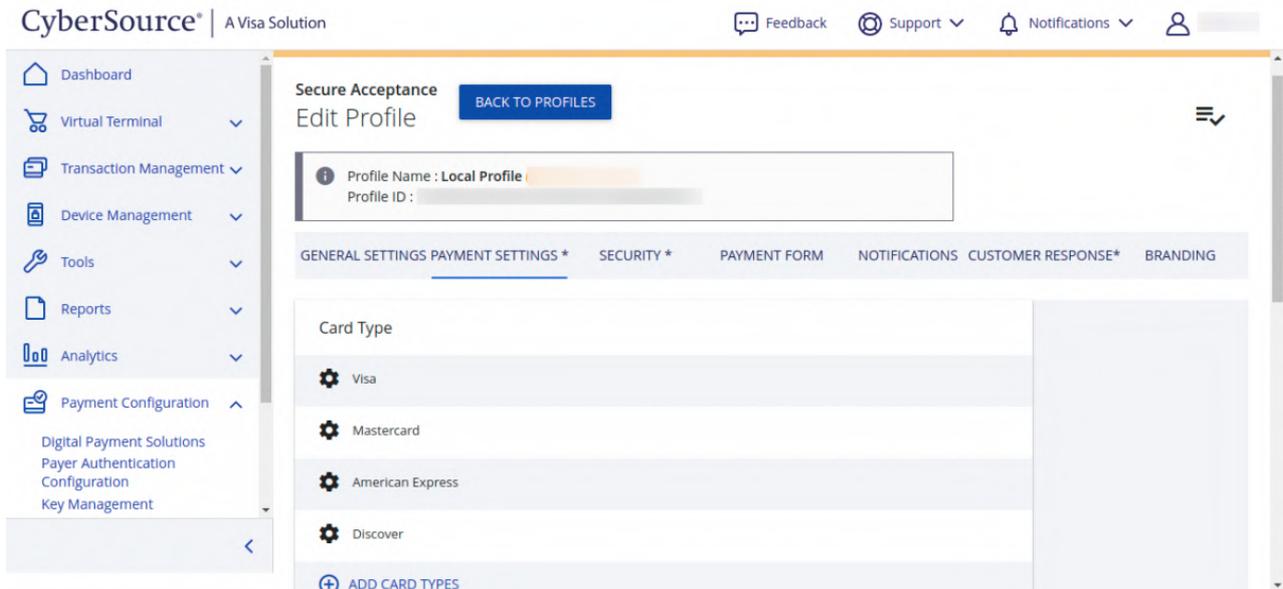
Under General settings:

The admin has to enter the **Profile Information**, select the **Integration Methods**. After that, has to enter the **Contact Information**.



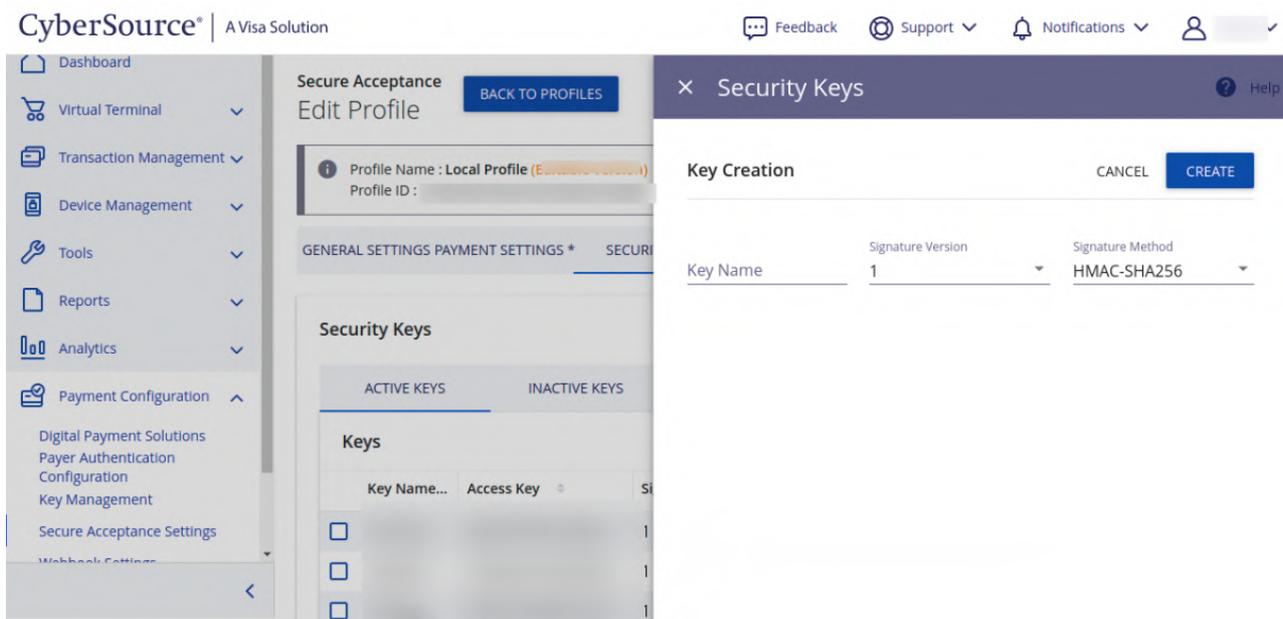
Under the Payment Settings:

Form here, the admin has to select the types of the card. The customer can make the payment only through the selected cards.

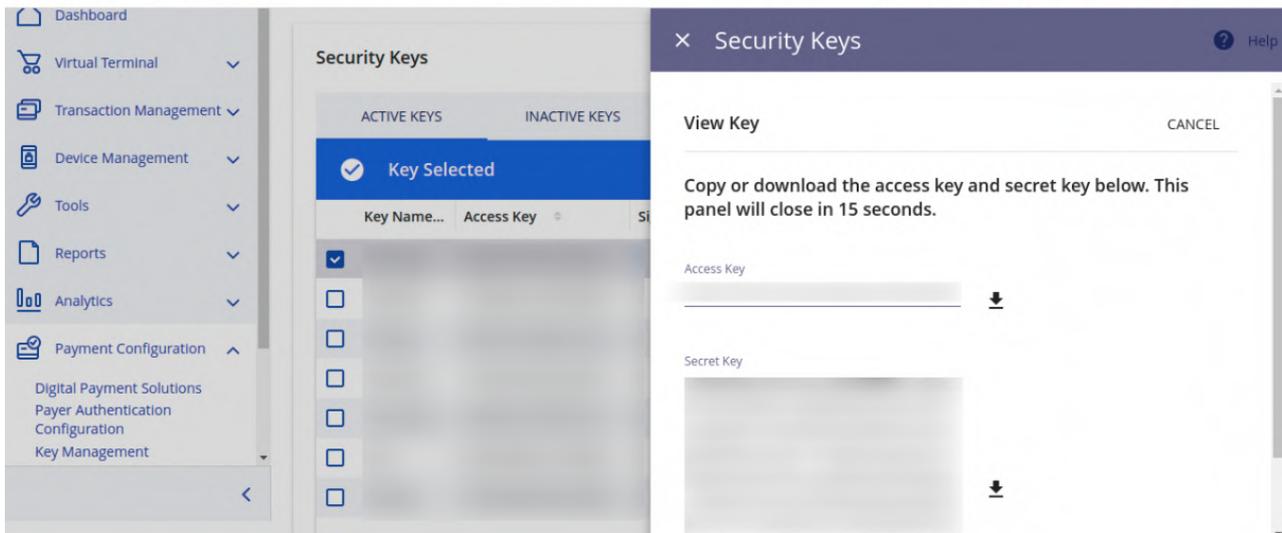


Under Security:

From here, the admin can create the **Security keys** as per below image:



The admin can also download the **Access Key** and the **Secret Key**.

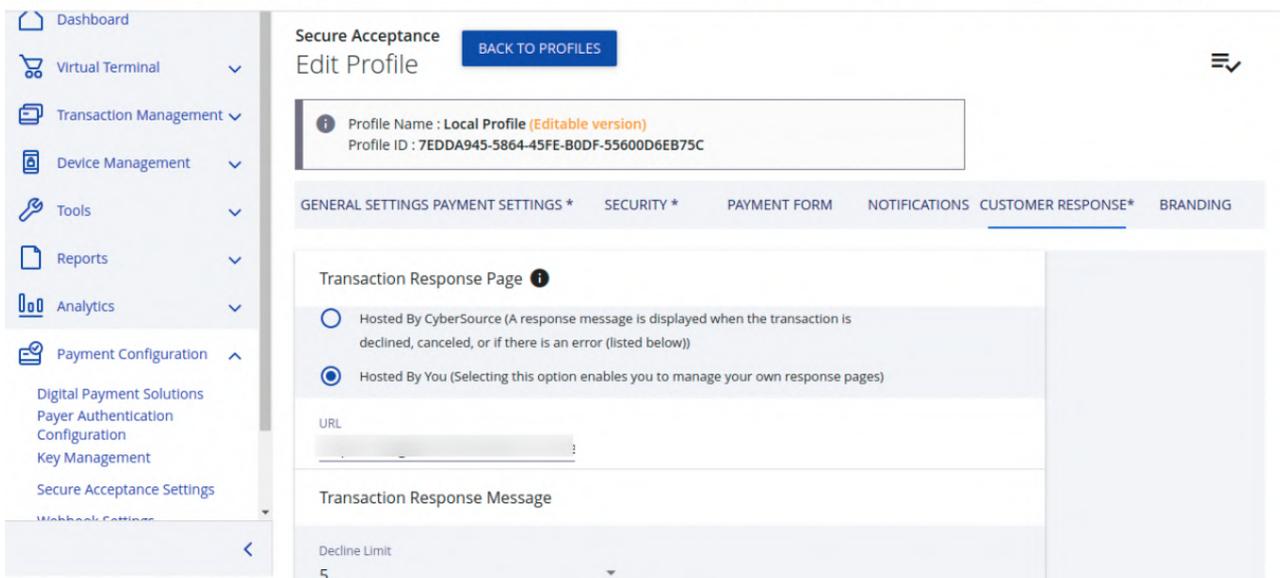


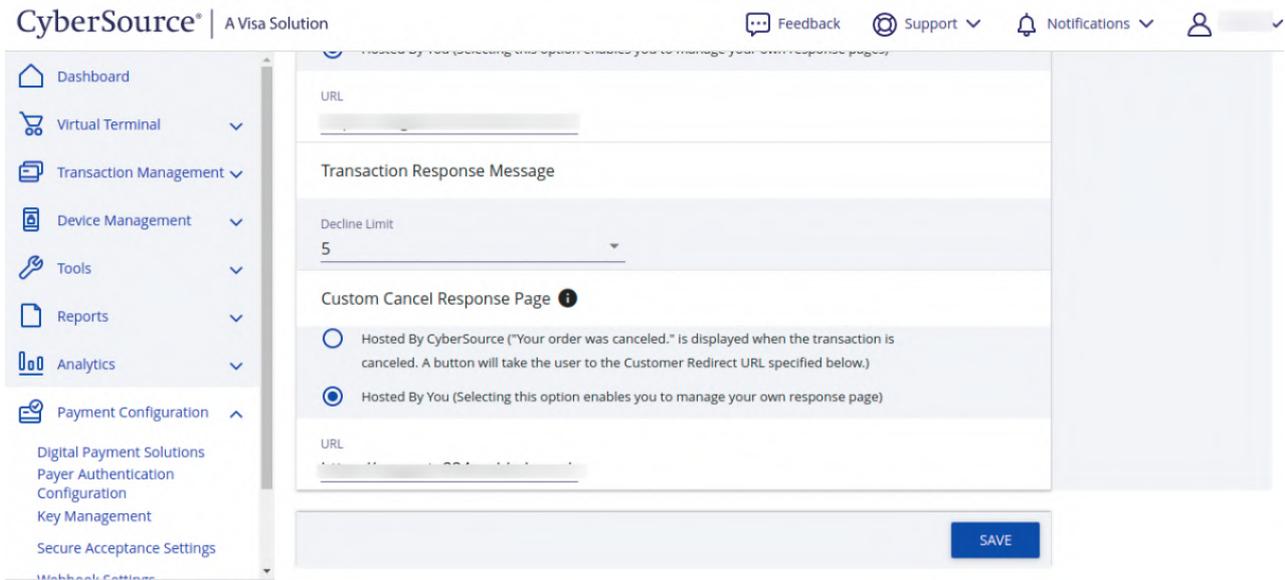
Customer Response:

From here, the admin can decide either the **Transaction Response Page** and the **Custom Cancel Response Page** is **Hosted By CyberSource** or **Hosted By You**.

Now, they can set the **URLs** for the Transaction Response Page and the Custom Cancel Response Page. The URLs can be set as below:

- <http://domainname/cybersource/index/beforesuccess>
- <http://domainname/cybersource/index/cancel>

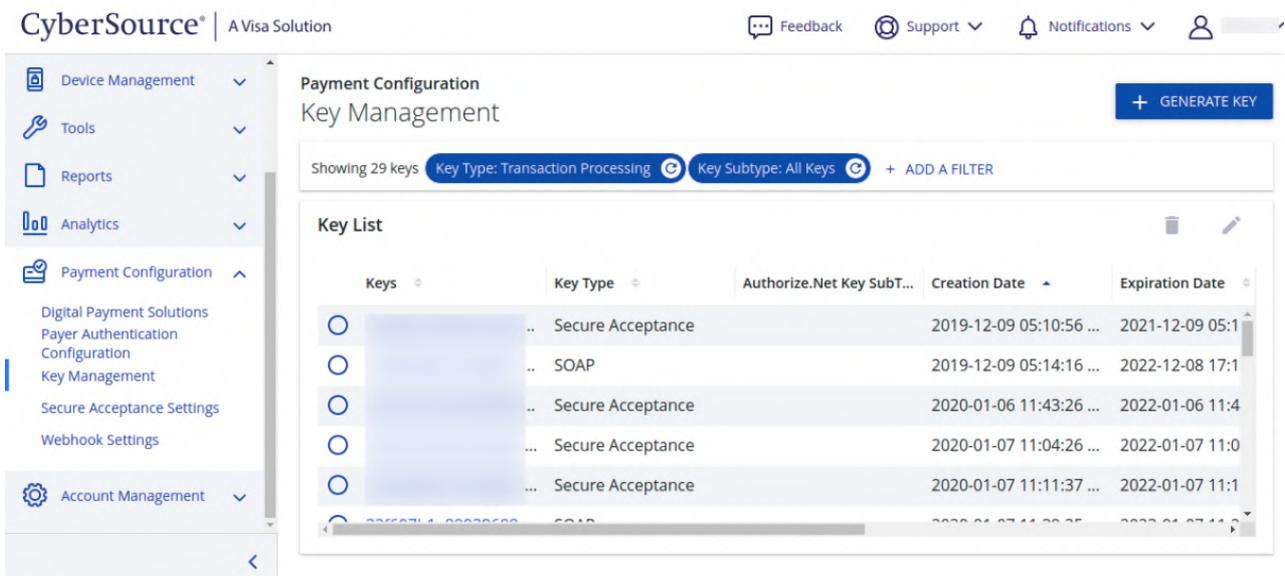




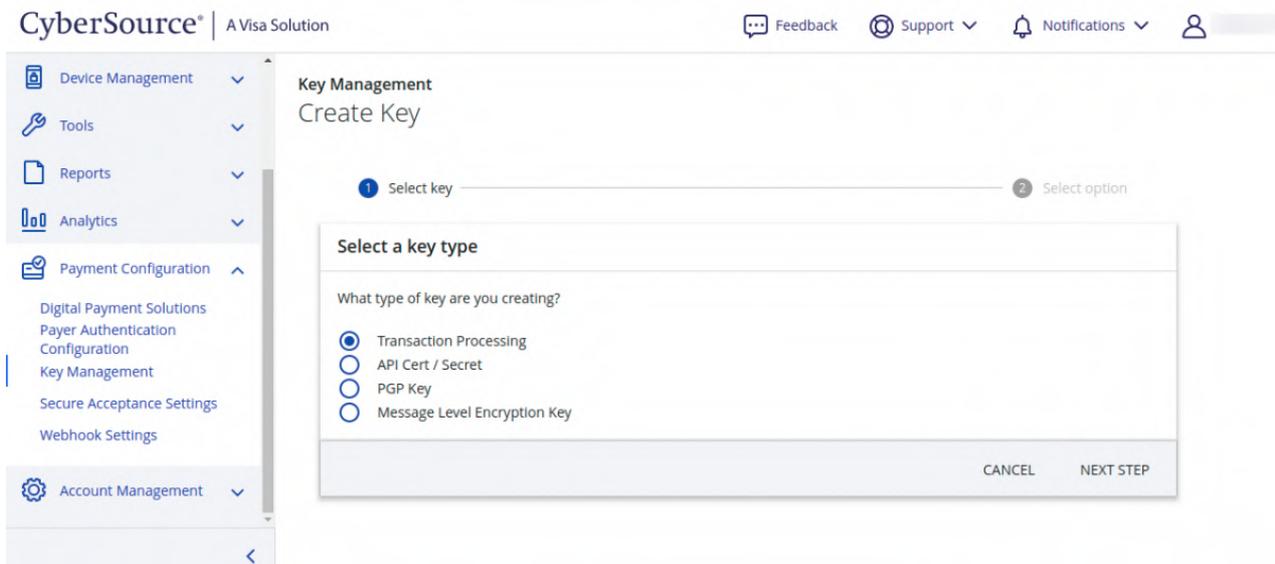
Process of creating the transaction Key:

For **Transaction Key**, the admin has to follow the below path:

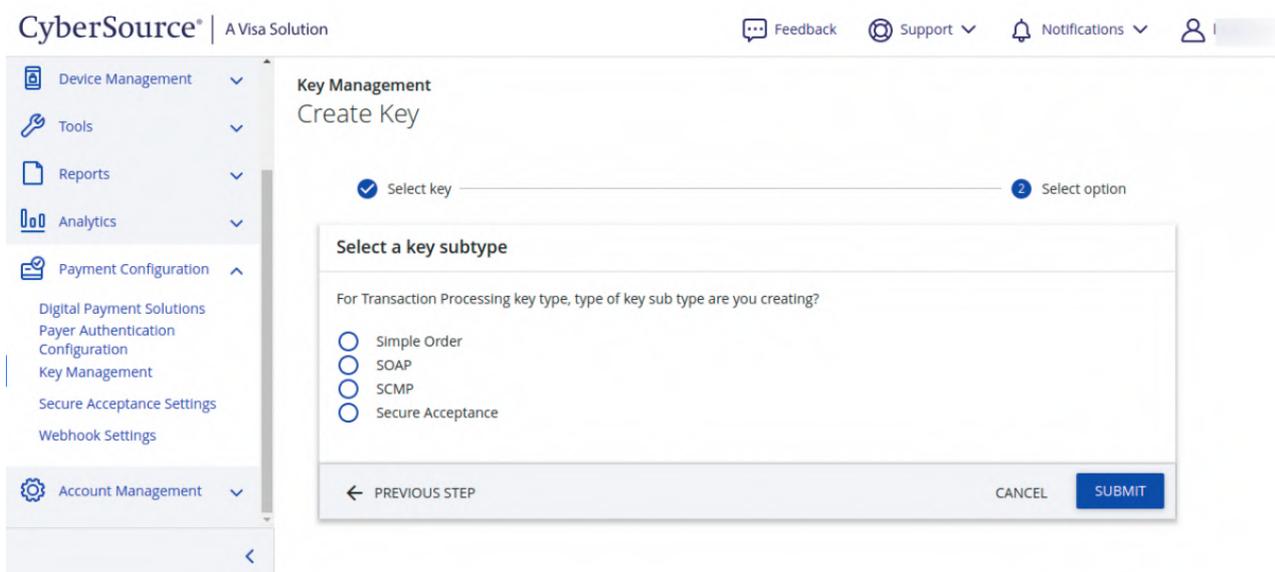
Payment Configuration > Key Management as per below image:



Here the admin can see all the SOAP and Secure Acceptance transaction processing key. For creating a new one, they need to click on **+Generate Key** button as per below image:



After selecting the Key type as **Transaction Processing**, the admin needs to select the **Key subtype** as per below image:



For the **SOAP sub type key**, the admin needs to select the SOAP option from the available options.

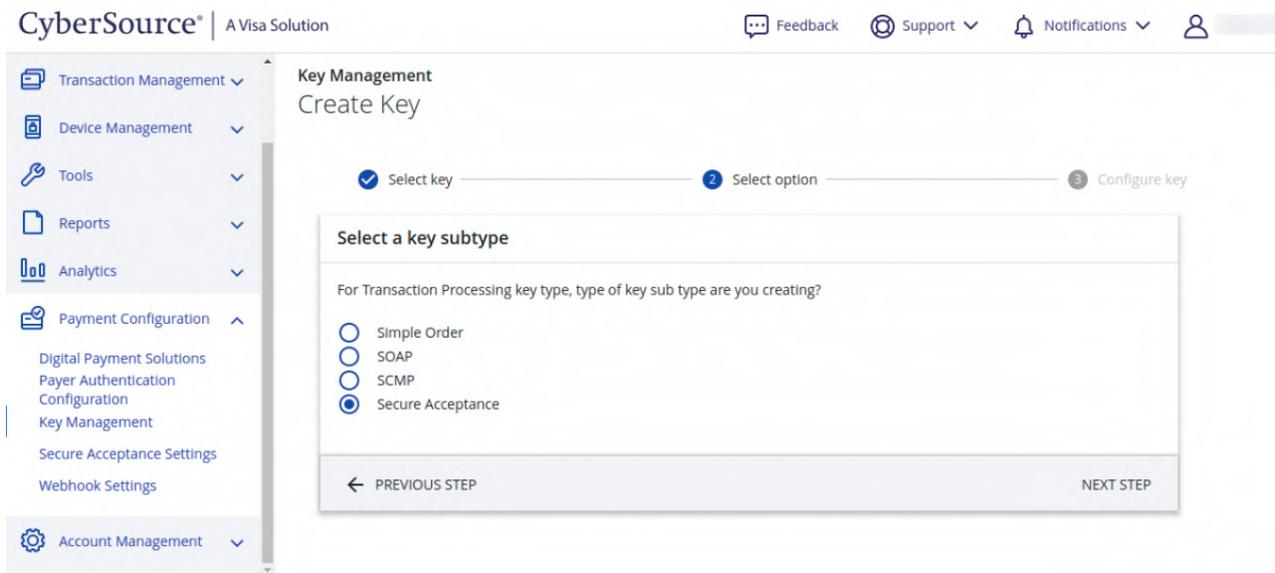
The screenshot shows the 'Key Management' section with the 'Create Key' sub-section. A progress indicator shows '1 Select key' completed and '2 Select option' active. The main content area is titled 'Select a key subtype' and asks, 'For Transaction Processing key type, type of key sub type are you creating?'. There are four radio button options: 'Simple Order', 'SOAP' (which is selected), 'SCMP', and 'Secure Acceptance'. Below this is a 'Key Configuration' section with a note: 'The SOAP Toolkit API authenticates using a base-64-encoded transaction key represented in string format. The SOAP API generates a key you can copy to your clipboard or download as a text file.' At the bottom, there are three buttons: 'PREVIOUS STEP', 'CANCEL', and 'SUBMIT'.

After that, they need to click on the **SUBMIT** button and hence the Soap toolkit has been created.

For the reference, check the below snapshot:

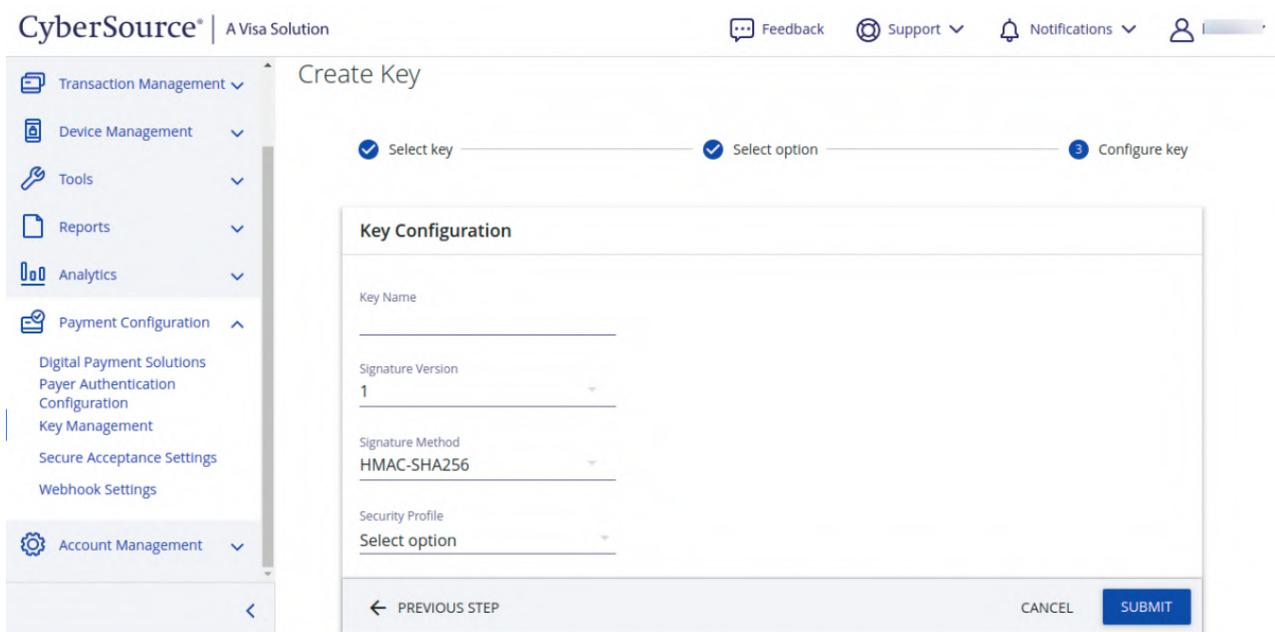
The screenshot shows the 'Key Management' section with the 'Create Key' sub-section. The main content area is titled 'Soap toolkit key' and contains the text: 'You may download these key one time from this screen.' Below this is a large greyed-out text box labeled 'Key'. At the bottom of this box is a 'DOWNLOAD KEY' button with a download icon. At the very bottom of the screen, there are two buttons: 'KEY MANAGEMENT' and 'CREATE ANOTHER KEY'.

Now, for the **Secure Acceptance type key**, the admin needs to select the Secure Acceptance option from the available options as per below image:

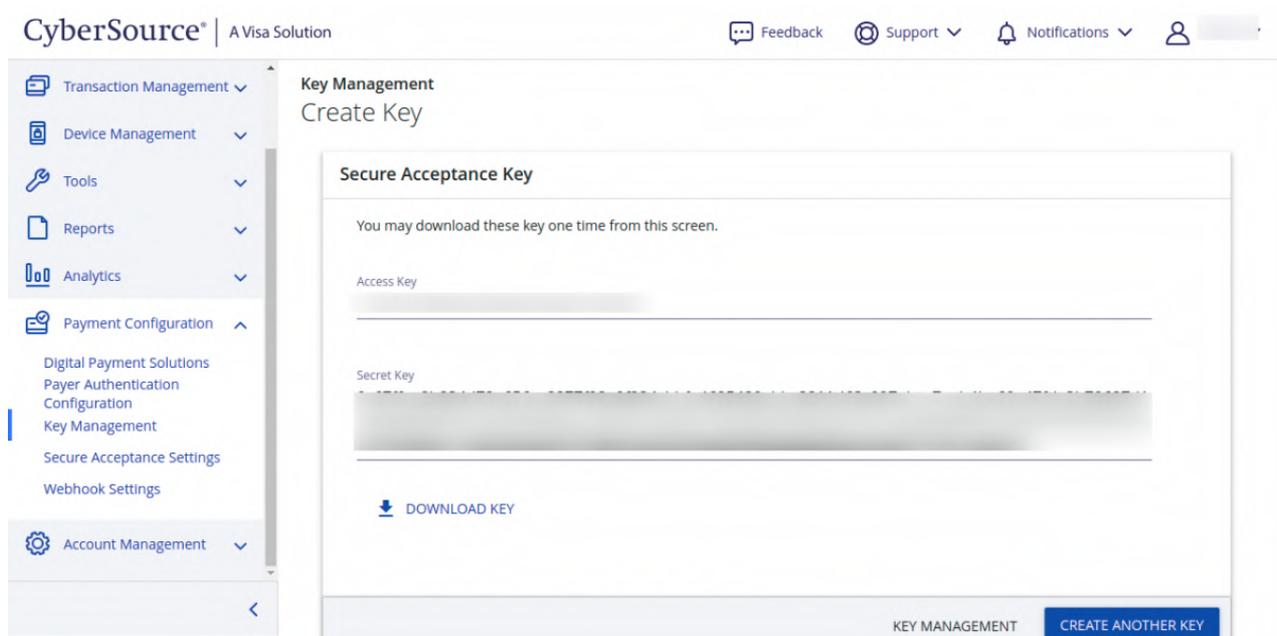


After that, they need to enter the **Key Name** and select the **Signature Version**, **Signature Method**, and the **Security Profile**. Then need to click on the **SUBMIT** button.

For the reference, check below:



After that, the Secure Acceptance Key gets generate. Also, the admin can download the keys by clicking on the **DOWNLOAD KEY** button as per below image:



Webhook Generation

The CyberSource Payment Extension provides Webhook. In web development, a webhook is a method of altering the behavior of a web page, or web application, with custom callbacks. Webhooks are user-defined HTTP callbacks that are triggered by specific events.

For the webhook generation, the URL meets the minimum requirements as mentioned below:

- The listener uses an HTTPS URL (for example, <https://example.com> , not <http://example.com>)
- URL is served on port 443 (for example, <https://example.com> or <https://example.com:443> , not <https://example.com:8443>)
- Both HEAD and POST request respond with HTTP code 200. Refer to one of the following specifications for relevant definitions:<https://www.w3.org/Protocols/rfc2616/rfc2616-sec10.html> or – <https://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html>.
- The certificate is active and has been issued by a trusted source (for example, <https://www.sslshopper.com/ssl-checker.html>); certificates cannot be self-signed.

The Webhook can be configured by the admin from the CyberSource Account by navigating through below path:

Payment Configuration > Webhook Settings

The screenshot shows the 'Payment Configuration' section of the CyberSource admin interface, specifically the 'Webhook Settings' page. A table lists a single active webhook notification. The 'CONFIGURE' button is highlighted.

Status	Created	Name	Action
Active	13 Feb 2020 06:10 AM	Webhook Notification	CONFIGURE

The admin has to click on the **CONFIGURE** button to configure the **webhook notification**.

The screenshot shows the 'Webhook Notification' configuration modal. It includes fields for 'URL *' and 'Shared Secret *', a toggle switch for 'Enable', and 'CANCEL' and 'SAVE' buttons. A note states: 'Using a shared secret key provides additional security when sending notifications.'

Module Configuration

After the successful installation of the module, the admin needs to navigate through the following path to configure the module:

Store > Configuration > Sales > Payment Methods > Cybersource Secured Acceptance By Webkul

⏪ Cybersource Secured Acceptance By Webkul

Enable <small>[website]</small>	Yes	<input type="checkbox"/>	
Title <small>[store view]</small>	CyberSource Secure Acceptance By Webkul		
Merchant Id <small>[website]</small>		
Transaction Key <small>[website]</small>		
Profile Id <small>[website]</small>		
Secret Key <small>[website]</small>		
Access Key <small>[website]</small>		
Test Mode <small>[website]</small>	Yes	<input type="checkbox"/>	
Gateway Url <small>[website]</small>	http: ctior	<input checked="" type="checkbox"/>	Use system value
Test Gateway Url <small>[website]</small>	https:// 3C	<input checked="" type="checkbox"/>	Use system value
New Order Status <small>[website]</small>	Processing		
Redirect message <small>[store view]</small>	You will be redirected to CyberSource Secure Acc	<input checked="" type="checkbox"/>	Use system value

Cybersource Secured Acceptance By Webkul:

- The admin can **Enable** the module.
- Enter the **Title** of the payment gateway which will show at the payment method page during the checkout time.
- Enter the **Merchant Id** provided by the CyberSource.
- The admin has to enter the **Transaction Key, Profile Id, Secret Key, and Access Key.**
- The admin can enable the **Test Mode** of the module.
- Auto-generated **Gateway Url** and the **Test Gateway Url.**
- Set the **New Order Status** of the new order.
- Enter a **Redirect message** for the customer while redirecting them to the CyberSource Secure Acceptance website.

Henceforth, after entering all the details the module configuration completes.

Customer End

Now, after the admin has configured the module from the back-end, the customer can easily make the checkout from the shopping cart page by using CyberSource Payment Gateway.

For the reference, check the below snapshot:

LUMA

Shipping Review & Payments

Payment Method

CyberSource Secure Acceptance By Webkul

My billing and shipping address are the same

Amy Santiago
3107 Doctors Drive
Los Angeles, California 90017
United States
9868246815

I agree to the Terms and Conditions *

Place Order

Check / Money order

Apply Discount Code ▾

Order Summary

Cart Subtotal	\$144.00
Shipping Flat Rate - Fixed	\$10.00
Order Total	\$154.00

2 Item in Cart ▾

Ship To:

Amy Santiago
3107 Doctors Drive
Los Angeles, California 90017
United States
9868246815

Shipping Method:

Flat Rate - Fixed

Once the customer will click on the **Place Order** button, they will see the **redirect message** entered by the admin.

Hereafter, they get redirected to the **CyberSource checkout page**. For the reference check the below snapshot:

Billing Information

First Name	<input type="text" value="Amy"/>
Last Name	<input type="text" value="Santiago"/>
Company Name	<input type="text" value="Webkul Inc."/>
Address Line 1	<input type="text" value="3107 Doctors Drive"/>
Address Line 2	<input type="text" value="3107 Doctors Drive"/>
City	<input type="text" value="Los Angeles"/>
Country/Region	<input type="text" value="United States of America"/>
State/Province	<input type="text" value="California"/>
Zip/Postal Code	<input type="text" value="90017"/>
	<input type="checkbox"/> Ship order to my billing address
Phone Number	<input type="text" value="9868246815"/>
Email	<input type="text" value="test@webkul.com"/>

Your Order

Total amount **\$154.00**

So, here the customer can see their **Billing** and the **Shipping Information**.

Shipping Information

First Name	<input type="text" value="Amy"/>
Last Name	<input type="text" value="Santiago"/>
Company Name	<input type="text" value="Webkul Inc."/>
Address Line 1	<input type="text" value="3107 Doctors Drive"/>
Address Line 2	<input type="text" value="3107 Doctors Drive"/>
City	<input type="text" value="Los Angeles"/>
Country/Region	<input type="text" value="United States of America"/>
State/Province	<input type="text" value="California"/>
Zip/Postal Code	<input type="text" value="90017"/>
Phone Number	<input type="text" value="9868246815"/>

Your Order

Total amount **\$154.00**

Now, the customer has to enter the **Payment Details** to pay for the order such as:

- Account Information
- Stored Payment Methods
- My Product Reviews
- Newsletter Subscriptions

Compare Products

You have no items to compare.

Recently Ordered

Orion Two-Tone Fitted Jacket

[Add to Cart](#) [View All](#)

My Wish List

You have no items in your wish list.

Product Name	SKU	Price	Qty	Subtotal
Orion Two-Tone Fitted Jacket	MJ07-XL-Red	\$72.00	Ordered: 2	\$144.00

Size
XL
Color
Red

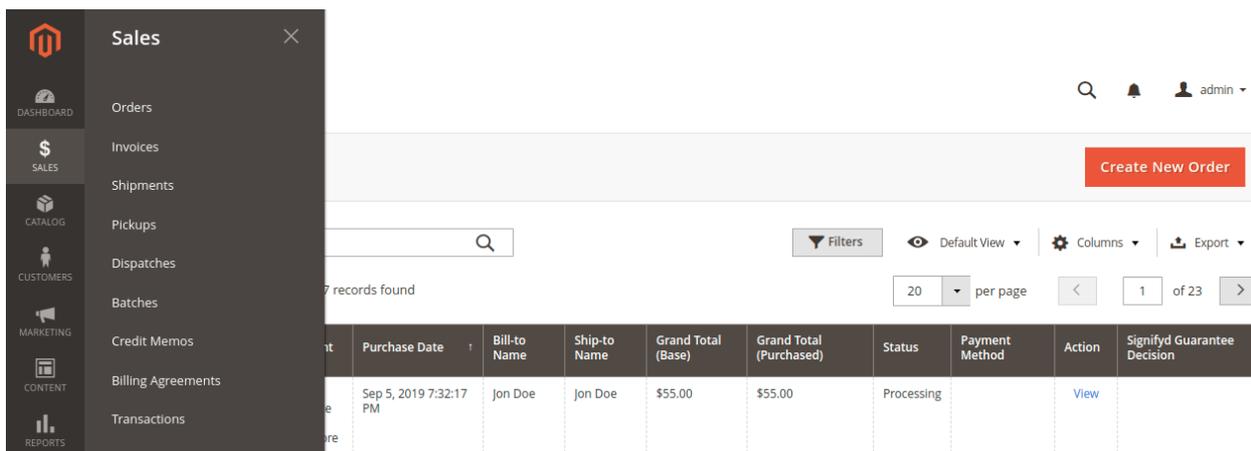
Subtotal	\$144.00
Shipping & Handling	\$10.00
Grand Total	\$154.00

Order Information

Shipping Address	Shipping Method	Billing Address	Payment Method
Amy Santiago Webkul Inc. 3107 Doctors Drive Los Angeles, California, 90017 United States T: 9868246815	Flat Rate - Fixed	Amy Santiago Webkul Inc. 3107 Doctors Drive Los Angeles, California, 90017 United States T: 9868246815	CyberSource Secure Acceptance By Webkul Credit Card Type: MasterCard Credit Card Number: xxxx-0004 Processed Amount: USD154.00

Admin End

The admin can see the placed order's details with CyberSource Payment Gateway. For that, they need to navigate through **Sales > Orders** from the admin dashboard.



Now, the admin can click on the **view** button to see the order information. For the reference check the image below –

← Back Cancel Send Email Hold Invoice Ship Reorder Edit

- ORDER VIEW**
- Information
- Invoices
- Credit Memos
- Shipments
- Comments History
- Transactions

Order & Account Information

Order # 00000014 (The order confirmation email was sent)

Order Date Jun 1, 2020, 2:12:03 PM

Order Status Processing

Purchased From Main Website
Main Website Store
Default Store View

Placed from IP 127.0.0.1 (192.168.1.1)

Account Information [Edit Customer](#)

Customer Name [Amy Santiago](#)

Email test@webkul.com

Customer Group General

Address Information

Billing Address [Edit](#)

Amy Santiago
Webkul Inc.
3107 Doctors Drive
Los Angeles, California, 90017
United States
T: 9868246815

Shipping Address [Edit](#)

Amy Santiago
Webkul Inc.
3107 Doctors Drive
Los Angeles, California, 90017
United States
T: 9868246815

Payment & Shipping Method

Payment Information

CyberSource Secure Acceptance By Webkul
Credit Card Type: MasterCard
Credit Card Number: xxx-0004
Processed Amount: USD154.00
Transaction Id: 5910009210046777303006
The order was placed using USD.

Shipping & Handling Information

Flat Rate - Fixed \$10.00

Gift Options

Items Ordered

Product	Item Status	Original Price	Price	Qty	Subtotal	Tax Amount	Tax Percent	Discount Amount	Row Total
Orion Two-Tone Fitted Jacket SKU: MJ07-M-Red Size: M Color: Red	Ordered	\$72.00	\$72.00	Ordered 2	\$144.00	\$0.00	0%	\$0.00	\$144.00

Order Total

Notes for this Order

Status:

Comment:

Notify Customer by Email

Visible on Storefront

Order Totals

Subtotal	\$144.00
Shipping & Handling	\$10.00
Grand Total	\$154.00
Total Paid	\$0.00
Total Refunded	\$0.00
Total Due	\$154.00

Invoice – CyberSource Payment Gateway

The admin can manually generate the invoice for the order.

For that, the admin has to navigate to **Sales > Order** and click on the **View** button for the order. After that, they need to click on the **Invoice** button to generate the invoice for the order.

For the reference, check the below snapshot:

[← Back](#) [Reset](#)

Order & Account Information

Order # 00000014 (The order confirmation email was sent)

Order Date	May 29, 2020, 4:00:02 PM
Order Status	Processing
Purchased From	Main Website Main Website Store Default Store View
Placed from IP	127.0.0.1 (192.168.1.1)

Account Information [Edit Customer](#)

Customer Name	Amy Santiago
Email	test@webkul.com
Customer Group	General

Address Information

Billing Address [Edit](#)

Amy Santiago
Webkul Inc.
3107 Doctors Drive
Los Angeles, California, 90017
United States
T: 9868246815

Shipping Address [Edit](#)

Amy Santiago
Webkul Inc.
3107 Doctors Drive
Los Angeles, California, 90017
United States
T: 9868246815

Payment & Shipping Method

Payment Information

CyberSource Secure Acceptance By Webkul
Credit Card Type: MasterCard
Credit Card Number:xxxx-0004
Processed Amount: USD154.00
Transaction Id: 5907482004616545403006
The order was placed using USD.

Shipping Information

Flat Rate - Fixed
Total Shipping Charges: **\$10.00**
 Create Shipment

Items to Invoice

Product	Price	Qty	Qty to Invoice	Subtotal	Tax Amount	Discount Amount	Row Total
Orion Two-Tone Fitted Jacket SKU: MJ07-XL-Red Size: XL Color: Red	\$72.00	Ordered 2	2	\$144.00	\$0.00	\$0.00	\$144.00

Order Total

Invoice History

Invoice Comments

Invoice Totals

Subtotal	\$144.00
Shipping & Handling	\$10.00
Grand Total	\$154.00

Amount

- Append Comments
 Email Copy of Invoice

The admin can click on the **Submit Invoice** button to generate the invoice.

Henceforth, the admin can see the created invoice in the invoice grid. For the reference check the below image:

#000000014

Search 🔍 20 notifications 📢 admin 👤

← Back Send Email Credit Memo Hold Ship Reorder

ORDER VIEW

Information

Invoices

Credit Memos

Shipments

Search by keyword 🔍

Filters

Default View

Columns

Export

Actions

1 records found

20 per page

1 of 1

<input type="checkbox"/>	Invoice	Invoice Date	Order #	Order Date	Bill-to Name	Status	Amount	Action
<input type="checkbox"/>	000000008	May 29, 2020 4:55:25 PM	000000014	May 29, 2020 4:00:02 PM	Amy Santiago	Paid	\$154.00	View

Now, the admin can click on the view button to see the details of the invoice.

Invoice Page –

#000000008

🔍 🔔 20 👤 admin ▾

← Back Send Email Credit Memo Print

Order & Account Information

Order # 000000014 (The order confirmation email was sent)

Order Date	May 29, 2020, 4:00:02 PM
Order Status	Processing
Purchased From	Main Website Main Website Store Default Store View
Placed from IP	127.0.0.1 (192.168.1.1)

Account Information [Edit Customer](#)

Customer Name	Amy Santiago
Email	test@webkul.com
Customer Group	General

Address Information

Billing Address [Edit](#)

Amy Santiago
Webkul Inc.
3107 Doctors Drive
Los Angeles, California, 90017
United States
T: 9868246815

Shipping Address [Edit](#)

Amy Santiago
Webkul Inc.
3107 Doctors Drive
Los Angeles, California, 90017
United States
T: 9868246815

Payment & Shipping Method

Payment Information

CyberSource Secure Acceptance By Webkul
Credit Card Type: MasterCard
Credit Card Number:xxxx-0004
Processed Amount: USD154.00
Transaction Id: 5907482004616545403006
The order was placed using USD.

Shipping Information

Flat Rate - Fixed
Total Shipping Charges: **\$10.00**

Items Invoiced

Product	Price	Qty	Subtotal	Tax Amount	Discount Amount	Row Total
Orion Two-Tone Fitted Jacket SKU: MJ07-XL-Red Size: XL Color: Red	\$72.00	2	\$144.00	\$0.00	\$0.00	\$144.00

Order Total

Invoice History

Comment Text

Notify Customer by Email

Visible on Storefront

Submit Comment

Invoice Totals

Subtotal	\$144.00
Shipping & Handling	\$10.00
Grand Total	\$154.00

Refund – CyberSource Payment Gateway

Using this module, the admin can also manually generate the credit memo of the order from the admin dashboard.

For that, the admin has to navigate to **Sales > Order** and click on the **view** button for the order. After that, they need to click on the **Invoice** button & need to select the respective invoice for the order and click on the view option, and after that click on the credit memo to initiate the Online Refund for the order.

For the reference check the below snapshot:

#000000014

← Back Send Email Credit Memo Hold Ship Reorder

Search by keyword Filters Default View Columns Export

Actions 1 records found 20 per page 1 of 1

	Invoice	Invoice Date	Order #	Order Date	Bill-to Name	Status	Amount	Action
<input type="checkbox"/>	000000008	May 29, 2020 6:38:10 PM	000000014	May 29, 2020 6:35:36 PM	Amy Santiago	Paid	\$154.00	View

To initiate the refund the admin has to click on the **Refund** button of the Pop-Up.

Order Total

Credit Memo Comments

Comment Text

Refund Totals

Subtotal	\$144.00
Refund Shipping	10
Adjustment Refund	
Adjustment Fee	
Grand Total	\$154.00

Update Totals

- Append Comments
 Email Copy of Credit Memo

Refund Offline

Refund

Once the admin has refunded the amount to the customer, it will reflect under the **Credit Memo** Section of the order as per below image:

#000000014

Search 20 admin

Back Send Email Reorder

ORDER VIEW

Information

Invoices

Credit Memos

Shipments

Comments History

Search by keyword

Filters

Default View

Columns

Export

Actions

1 records found

20 per page

1 of 1

	Credit Memo	Created	Order #	Order Date	Bill-to Name	Status	Refunded	Action
<input type="checkbox"/>	00000007	May 29, 2020 5:02:35 PM	00000014	May 29, 2020 4:00:02 PM	Amy Santiago	Refunded	\$154.00	View

Transaction- Admin End

Also, the admin can click on the **Transaction** tab to see all the transactions as shown in the image below –

#000000014

Search 20 admin

Back Send Email Reorder

ORDER VIEW

Information

Invoices

Credit Memos

Shipments

Comments History

Transactions

Search

Reset Filter

3 records found

20 per page

1 of 1

ID	Order ID	Transaction ID	Parent Transaction ID	Payment Method	Transaction Type	Closed	Created
From							From
To							To
23	00000014	5907594964636978603012-refund-refund	5907576898246203603007-capture-capture	CyberSource Secure Acceptance By Webkul	Refund	Yes	May 2020 7:08: PM
22	00000014	5907576898246203603007-capture-capture	5907575346656846803004-authorize	CyberSource Secure Acceptance By Webkul	Capture	Yes	May 2020 6:38: PM
21	00000014	5907575346656846803004-authorize		CyberSource Secure Acceptance By Webkul	Authorization	No	May 2020 6:35: PM

Transaction – CyberSource Payment Gateway

The admin can also check the list of transactions from the CyberSource payment gateway dashboard.

For that, they need to navigate through **Transaction management > Transactions** as per below image:

- Virtual Terminal
- Transaction Management
 - Transactions
 - Transaction by Phase
 - Payer Authentication
 - Secure Acceptance
- Device Management
- Tools
- Reports
- Analytics
- Payment Configuration
- Account Management

Search Results 1 - 16 of 16 shown

Date	Merchant Reference Number	Transaction Reference Number
Nov 18 2020 10:11:24 AM GMT	21	
Nov 18 2020 10:11:24 AM GMT	21	752680762HM8LLYX
Nov 17 2020 01:22:54 PM GMT	e5oDWuCzghNqjtZpQZ8AmRVfbNy6TzVv	75089090NH2UD1X4
Nov 17 2020 12:49:46 PM GMT	5	
Nov 17 2020 12:49:46 PM GMT	5	75089090NH2UD1X4
Nov 17 2020 12:44:29 PM GMT	6	
Nov 17 2020 12:44:29 PM GMT	6	75089231UH2T3FUV
Nov 17 2020 07:32:24 AM GMT	c4g614uu5NWQYyPpFC7wIPMW5Q4Qsm NL	603218150H2XECCL
Nov 17 2020 07:17:42 AM GMT	71	

Thus, that's all for the **CyberSource Payment Gateway**. If you face any issue, feel free to add a ticket at our [HelpDesk](#) system.