

Stripe Payment Provider Setup

This feature shows how to integrate with Stripe to process credit card payments directly within the system. Its primary purpose is to provide a secure and seamless checkout experience for users while simplifying financial reconciliation for operations. This article is intended for **OPSCOM administrators** responsible for financial setup.

Setup and Configuration

Admin Portal

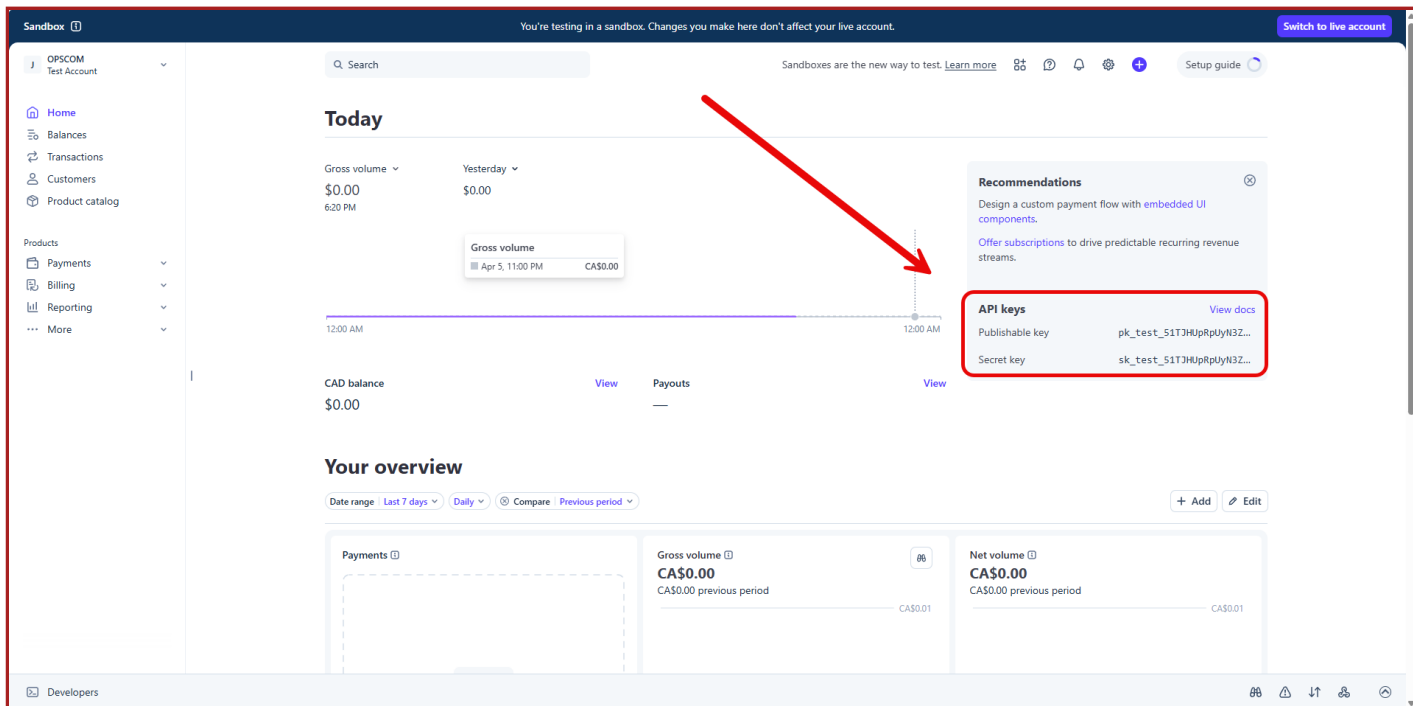
To begin the integration, an administrator must setup a payment type in OPSCOM, which will be linked to their Stripe account. This is handled through the central administration portal where you will input your unique credentials.

- Hover over **System Configuration > Payments**, then click **Setup Payment Types**.
- Click **Add Type**.
- Click the **Payment Provider** drop-down menu and choose **Stripe.js** from the available options.

Once the provider is selected, you can **name the payment type**, **select applicable user types**, and then **go to the settings tab**.

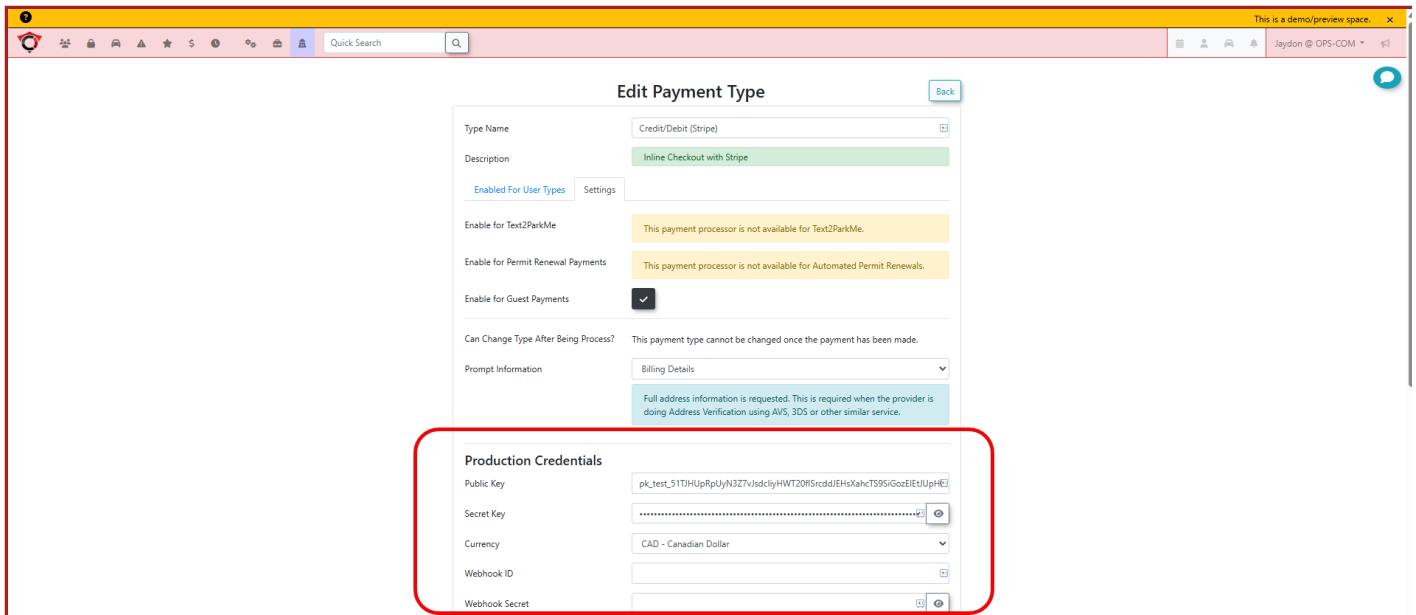
Now, you have to get the API keys for your Stripe account, and setup webhooks, which can be found on the stripe dashboard, which you should be

logged into, from a previous step. Your **Publishable Key**, and **Secret Key**, can be found and copied here. You can click on these values to copy them, and paste them into the payment type settings in OPSCOM.



You must provide your unique identification keys. Enter your Stripe public key into the **Publishable Key** field and your Stripe secret key into the **Secret Key** field. Only enter the Testing Credentials until you are ready for your users to have access to this.

Take this time to ensure that the **Currency** setting is correct, in the payment type settings (the default is US dollars). The next steps will be about populating the **Webhook ID** and **Webhook Secret** fields, in OPSCOM, with the correct information from your Stripe dashboard.



Third-Party Webhook Configuration

Webhooks are essential for Stripe to notify OPSCOM regarding payment successes or refund completions.

Without these Webhooks, the system **WILL NOT** communicate any transaction information to OPSCOM.

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Your
Event
Endpoint**

Step-by-step instructions to create an event destination, select event types, and enter the OPSCOM workflow.

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| Retrieve Your Signing Secret | How to reveal and download copy the <input type="text" value="whs_"/> secret, and destination ID into OPSCOM |
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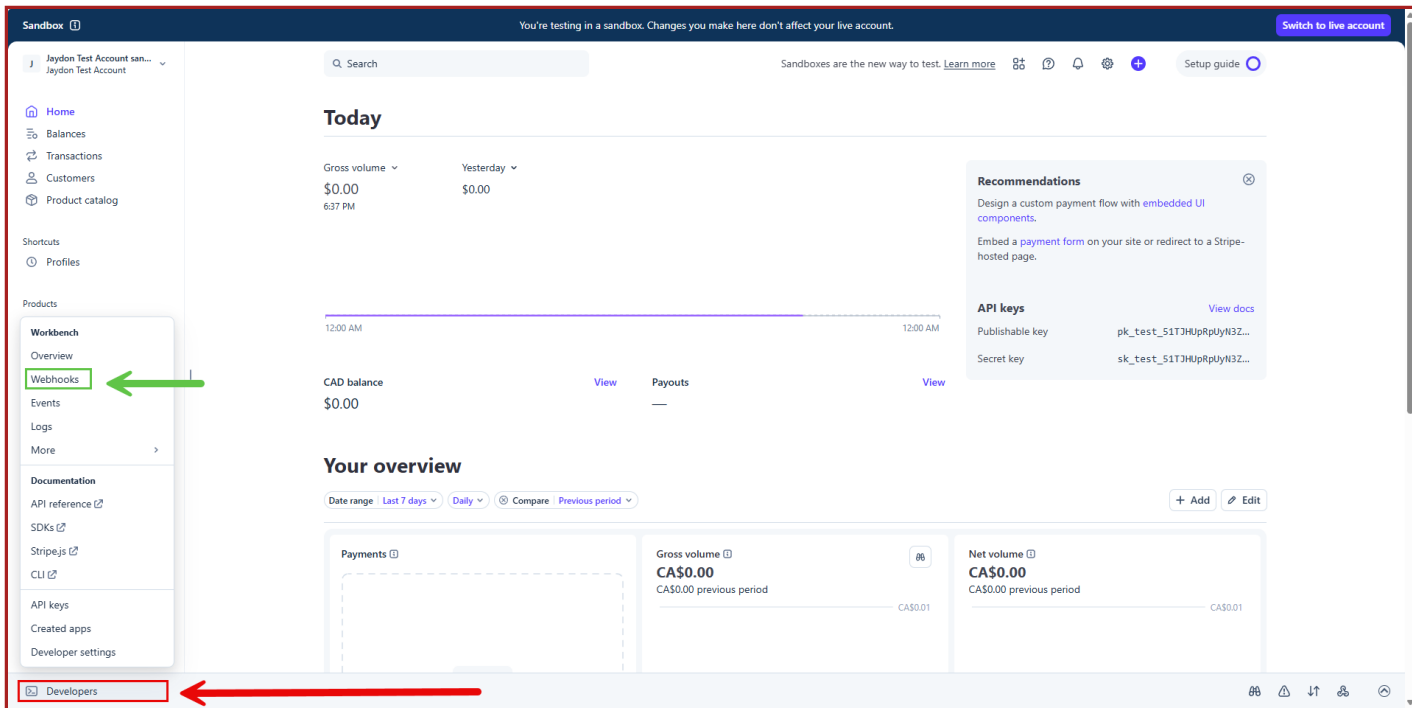
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| Test Your Endpoint | Stripe CLI commands to forward live test events locally before going live |
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Register Your Endpoint

To begin receiving notifications, you must define where Stripe should send transaction data. In your Stripe Dashboard, click on **Developers** (bottom left) and select **Webhooks**.



Click the **Add Destination** button to open the configuration window.

You must select the specific event types the system needs to process. For a standard setup, ensure you select **payment_intent.succeeded** for successful payments, **payment_intent.payment_failed** for failed payments, and **payment_intent.canceled** for canceled payments. Now click Continue.

Payment Intent

8 events

Select all Payment Intent events

- `payment_intent.amount_capturable_updated`
Occurs when a PaymentIntent has funds to be captured. Check the `amount_capturable` property on the PaymentIntent to determine the amount that can be captured. You may capture the PaymentIntent with an `amount_to_capture` value up to the specified amount. [Learn more about capturing PaymentIntents.](#)
- `payment_intent.canceled`
Occurs when a PaymentIntent is canceled.
- `payment_intent.created`
Occurs when a new PaymentIntent is created.
- `payment_intent.partially_funded`
Occurs when funds are applied to a customer_balance PaymentIntent and the 'amount_remaining' changes.
- `payment_intent.payment_failed`
Occurs when a PaymentIntent has failed the attempt to create a payment method or a payment.
- `payment_intent.processing`
Occurs when a PaymentIntent has started processing.
- `payment_intent.requires_action`

Cancel

Continue →

Select **Webhook endpoint**, and click continue again.

Choose where you want to send events

Stripe can send events to a webhook endpoint, Amazon EventBridge, or Azure Event Grid.

Destination type

Webhook endpoint

Send webhook events to a hosted endpoint.



Amazon EventBridge

Send events to your AWS account.



Azure Event Grid

Send events to your Azure account.

Preview

Cancel

← Back

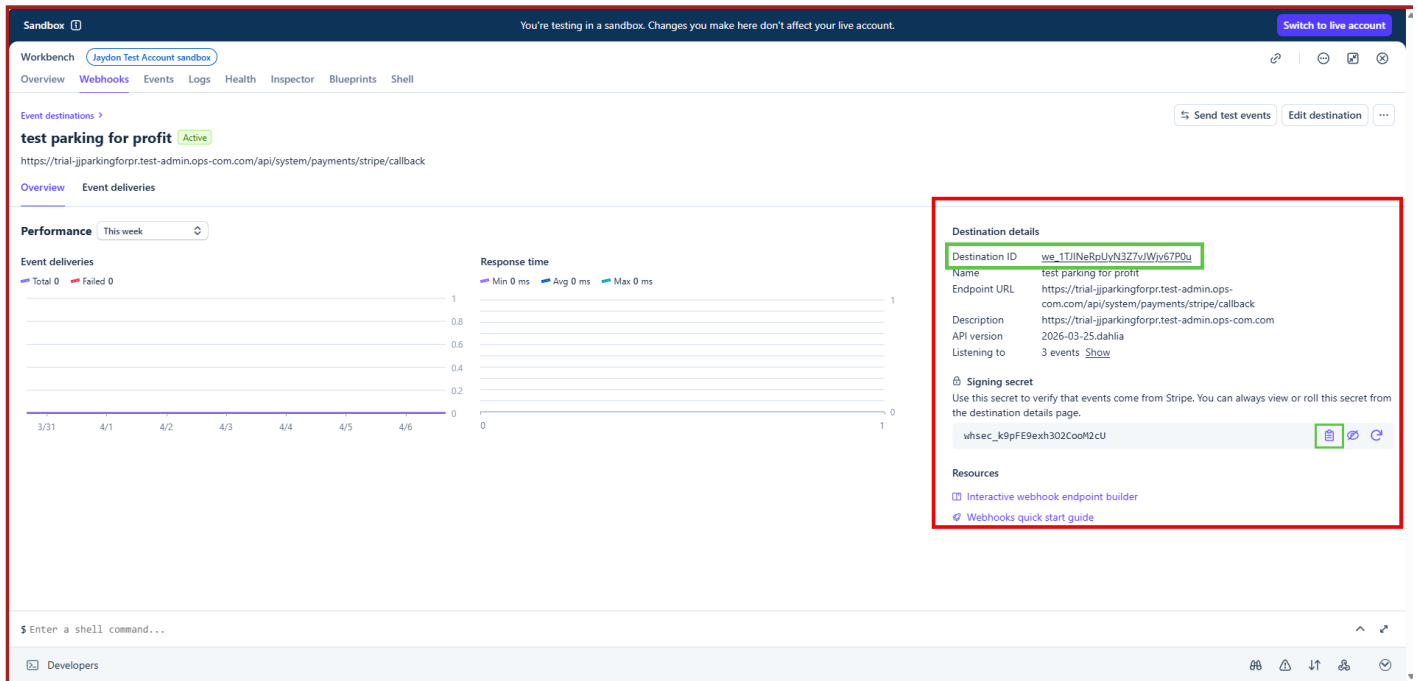
Continue →

Give the webhook a descriptive name, and in the **Endpoint URL** field, enter the specific URL provided by OPSCOM, in this format: `https://[CLIENTID].ops-com.com/api/system/payments/stripe/callback`

Retrieve Your Signing Secret

Once the endpoint is created, Stripe generates a unique security key to verify that the data sent to your server is authentic. On the summary page for your

newly created webhook, locate the **Signing secret** section.



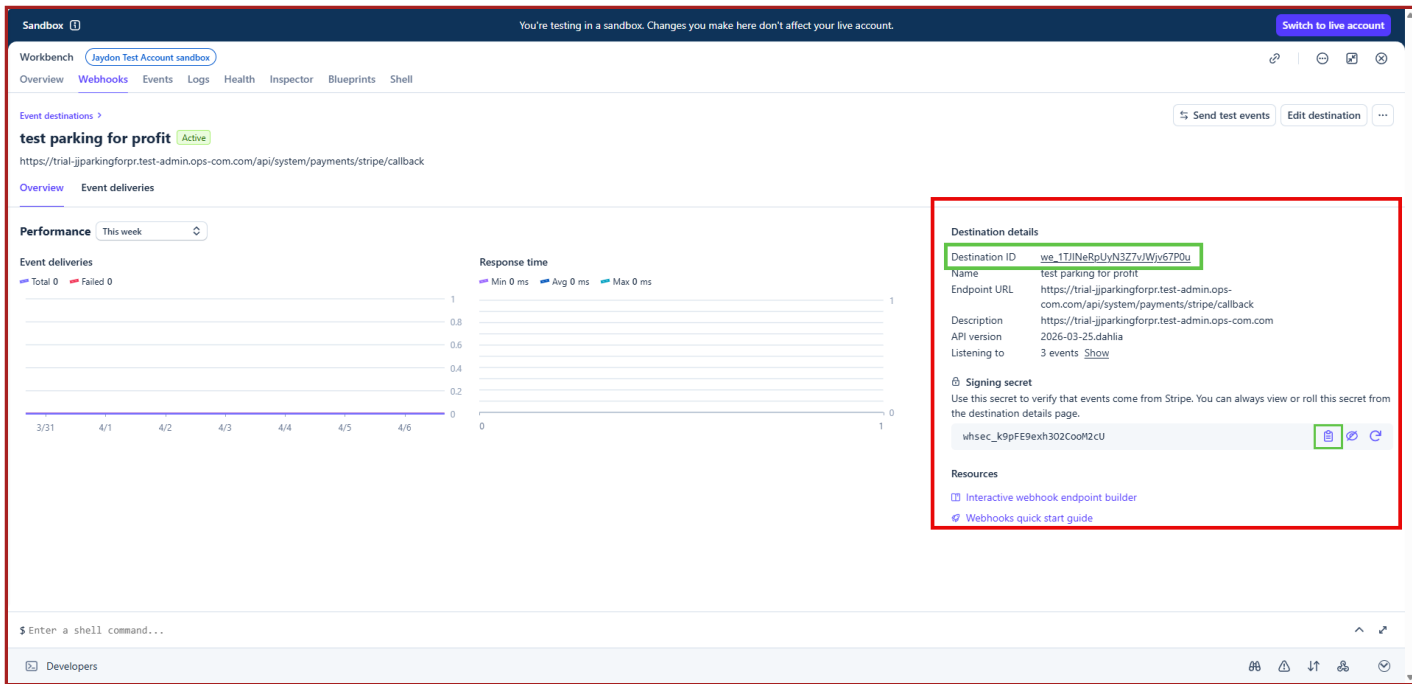
Click **Reveal** to display the string, which typically begins with the prefix

`whsec_`.

Copy (**highlighted in a green box in the picture above!**) this entire string and navigate back to your OPSCOM **Payment Gateway** settings. Paste the secret into the **Webhook Secret** field. This handshake ensures that OPSCOM only processes legitimate requests from Stripe and ignores any unauthorized attempts to alter transaction data.

Once the endpoint is saved, you'll see the **Signing secret**, and **Destination ID** provided by **Stripe**. Return to your **OPSCOM** configuration and paste the **Signing secret** into the **Webhook Secret** field, and the **Destination ID** into the **Webhook ID** field to ensure all incoming data is securely verified.

Ensure that your **Webhook Secret** is correctly matched between Stripe and OPSCOM to prevent "Pending" status errors on completed payments.



User Experience and Handheld Use

Web Portal Transactions

Users will interact with the Stripe interface during their standard checkout process. When they reach the final stage of a transaction, they simply click the **Pay with Credit Card** button to open the secure payment form. After they enter the credit card details into the form, they click the **Submit Payment** button to complete the purchase.

Handheld App — *OPSCOM Parking Enforcement*

For administrators or staff using handheld units in the field, the process is optimized for touch interaction. Tap **Checkout** to open the payment summary within the app. From there, tap **Select Payment Method** and choose **Stripe**. To prevent accidental charges, the final step requires you to tap and hold the **Process Payment** button to finalize the transaction.

Managing Transactions and Reports

Administrators can review all processed payments and manage financial returns through the standard reporting interfaces. Hover over **Financial Management** and click **Transaction Reports** then **Recent Payments** to view a live list of activity.

Within this report, the **Status** column displays the current state of each payment, while the **Payment Date** indicates exactly when the transaction occurred. If you need more detail, click the **View Details** icon next to a specific transaction to see the full Stripe receipt.

If a correction is needed, click the **Refund Payment** button to initiate a return of funds. You will then click the **Confirm Refund** drop-down menu and choose **Full Refund** to finalize the reversal.

You can quickly find a specific transaction by using the search bar to enter a user's name or a specific receipt order ID/Confirm Code.

Best Practices and Considerations

- **Deployment Testing** Organizations should always keep **Live Mode** disabled during the initial deployment until all testing is verified with test credit card information. It is highly recommended to process a single, small test transaction in **Live Mode** using a real card before making the payment option available to the general public.
- **Security Requirements** Maintaining the security of your financial environment is critical. You should never share your **Stripe Secret Key** or **Webhook Secret** with anyone or store it in plain text outside of the secure administration configuration screens.

- **Change the signing secret periodically**, and only subscribe to required event types.
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