

Twitter Thread by Kenneth Auchenberg ■



Kenneth Auchenberg ■

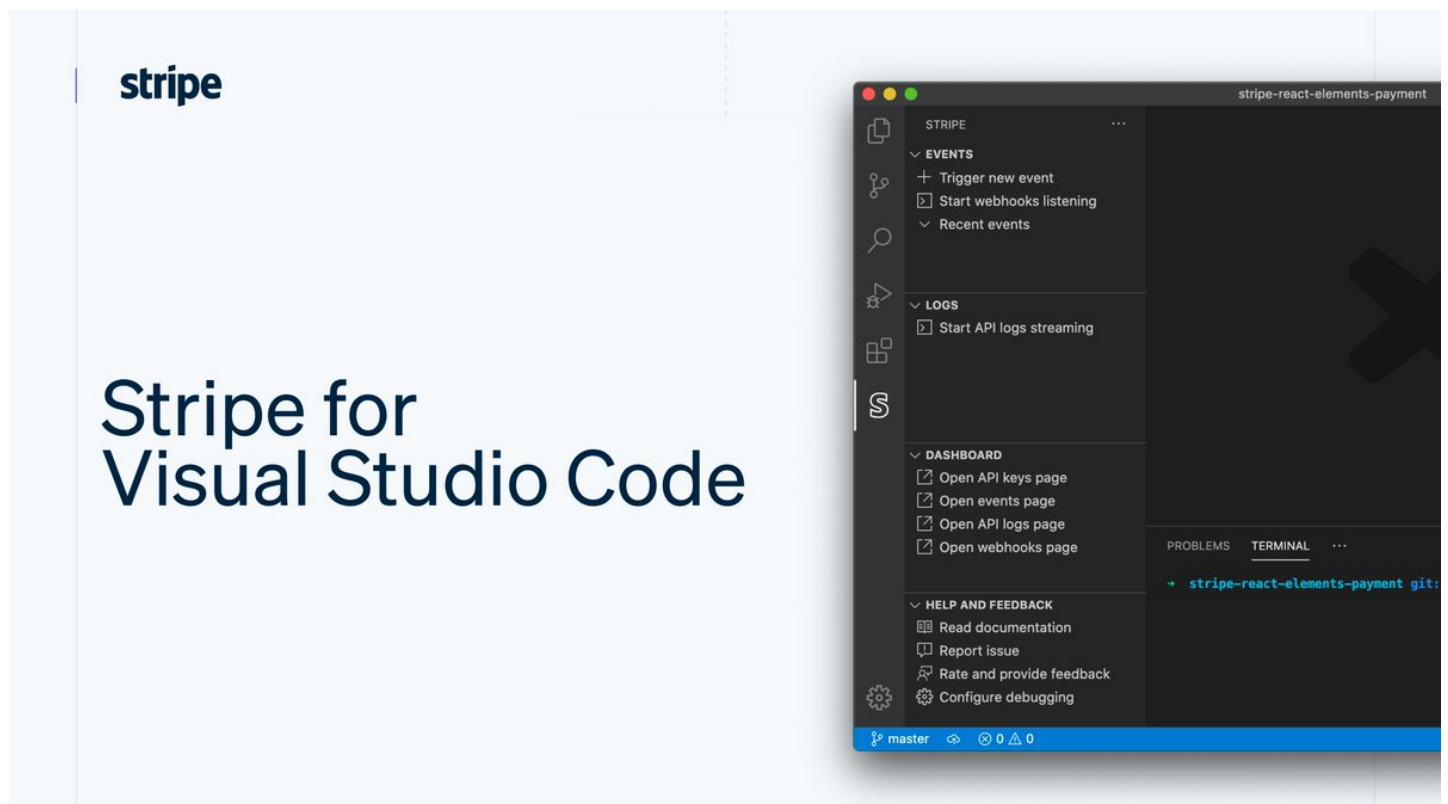
[@auchenberg](#)



Today we are releasing the public beta of the [@stripe](#) extension for [@code](#), which brings Stripe inside your editor. Let me give you some background on why we built this extension, what it does, and where we are going with our developer tools.

<https://t.co/FyyHVNQtWA>

A thread ■

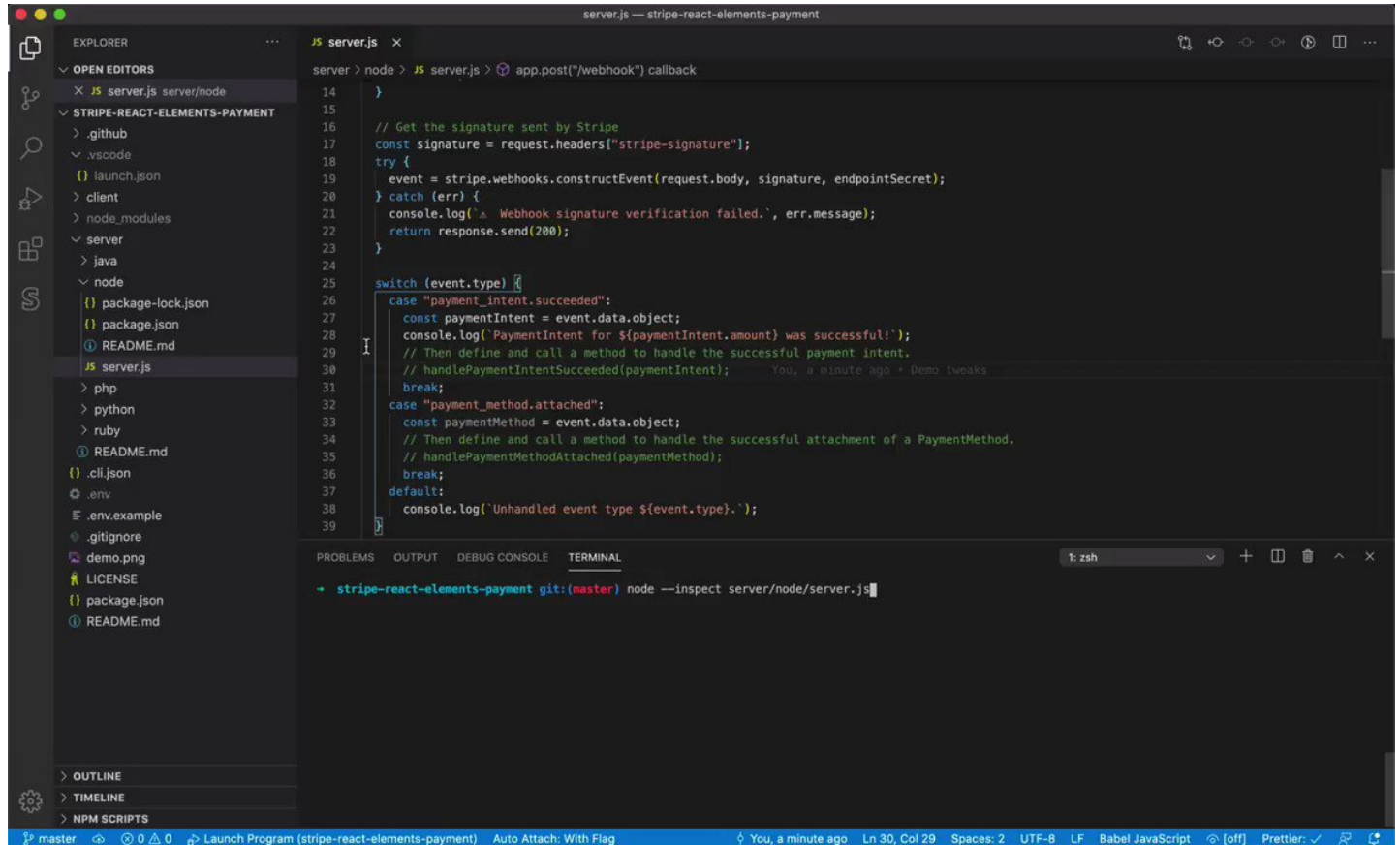


By bringing Stripe inside code editors, we move Stripe-specific information inside the context where developers already are when they build. We believe this will reduce context switching, reduce friction, and make it faster to integrate, build, and test with Stripe.

We decided to start with VS Code, one of the most popular code editors, and build an extension that would bring in a range of common workflows through a new Stripe panel in the activity bar and a set of custom commands.

Let me walk you through the features:

■ Webhooks can be burdensome to work with, so we made it easy to forward webhooks events to your local box. You can trigger events to test - this is integrated with the VS Code debugger so you can easily set breakpoints and step through your code.



```
server.js — stripe-react-elements-payment
EXPLORER
  OPEN EDITORS
    JS server.js server/node
  STRIPE-REACT-ELEMENTS-PAYMENT
    .github
    .vscode
    launch.json
    client
    node_modules
    server
      java
      node
        package-lock.json
        package.json
        README.md
        JS server.js
      php
      python
      ruby
    README.md
    .clic.json
    .env
    .env.example
    .gitignore
    demo.png
    LICENSE
    package.json
    README.md
  OUTLINE
  TIMELINE
  NPM SCRIPTS

server.js
14 }
15
16 // Get the signature sent by Stripe
17 const signature = request.headers["stripe-signature"];
18 try {
19   event = stripe.webhooks.constructEvent(request.body, signature, endpointSecret);
20 } catch (err) {
21   console.log(`⚠ Webhook signature verification failed.`, err.message);
22   return response.send(200);
23 }
24
25 switch (event.type) {
26   case "payment_intent.succeeded":
27     const paymentIntent = event.data.object;
28     console.log(`PaymentIntent for ${paymentIntent.amount} was successful!`);
29     // Then define and call a method to handle the successful payment intent.
30     // handlePaymentIntentSucceeded(paymentIntent); // You, a minute ago • Demo tweaks
31     break;
32   case "payment_method.attached":
33     const paymentMethod = event.data.object;
34     // Then define and call a method to handle the successful attachment of a PaymentMethod.
35     // handlePaymentMethodAttached(paymentMethod);
36     break;
37   default:
38     console.log(`Unhandled event type ${event.type}.`);
39 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: zsh

→ stripe-react-elements-payment git:(master) node --inspect server/node/server.js

■ Sometimes when you're integrating events, it's hard to know what the payloads will look like. You can now see the most recent events, and we'll fetch the full event payload as JSON if you click on it, so you can easily see the properties — all without leaving the editor! ■

The screenshot shows the Stripe CLI interface. On the left, there's a sidebar with icons for various actions: 'Trigger new event', 'Start webhooks listening', 'Recent events', 'LOGS', and 'DASHBOARD'. The 'Recent events' list includes 'customer.created', 'charge.failed', 'charge.refunded', 'charge.succeeded', 'invoice.finalized', 'invoice.updated', 'invoice.payment_succeeded', 'invoice.paid', and 'payment_intent.created'. The 'LOGS' section has 'Start API logs streaming'. The 'DASHBOARD' section has links to 'Open API keys page', 'Open events page', 'Open API logs page', and 'Open webhooks page'. The main area displays a JSON payload for a 'customer.created' event:

```
{
  "id": "evt_1Hu1jNGJiU0VaD57quav4bjK",
  "object": "event",
  "api_version": "2020-08-27",
  "created": 1606940117,
  "data": {
    "object": {
      "id": "cus_IV1mLp7uijYXn1",
      "object": "customer",
      "address": null,
      "balance": 0,
      "created": 1606940117,
      "currency": null,
      "default_source": null,
      "delinquent": false,
      "description": "(created by Stripe CLI)",
      "discount": null,
      "email": null,
      "invoice_prefix": "0F7C96A9",
      "invoice_settings": {
        "custom_fields": null,
        "default_payment_method": null,
        "footer": null
      },
      "livemode": false,
      "name": null,
      "phone": null,
      "preferred_customer_balance": null,
      "shipping": null,
      "tax_exempt": "none",
      "tax_id": null,
      "tax_ids": null,
      "token": null,
      "updated": 1606940117,
      "website": null
    }
  }
}
```

■ Managing API keys can be challenging, and sometimes we forget to remove our hardcoded secrets, which can have dramatic consequences.

So we'll now analyze and lint your code and show you warnings if you leave a hardcoded API key behind by mistake. ■

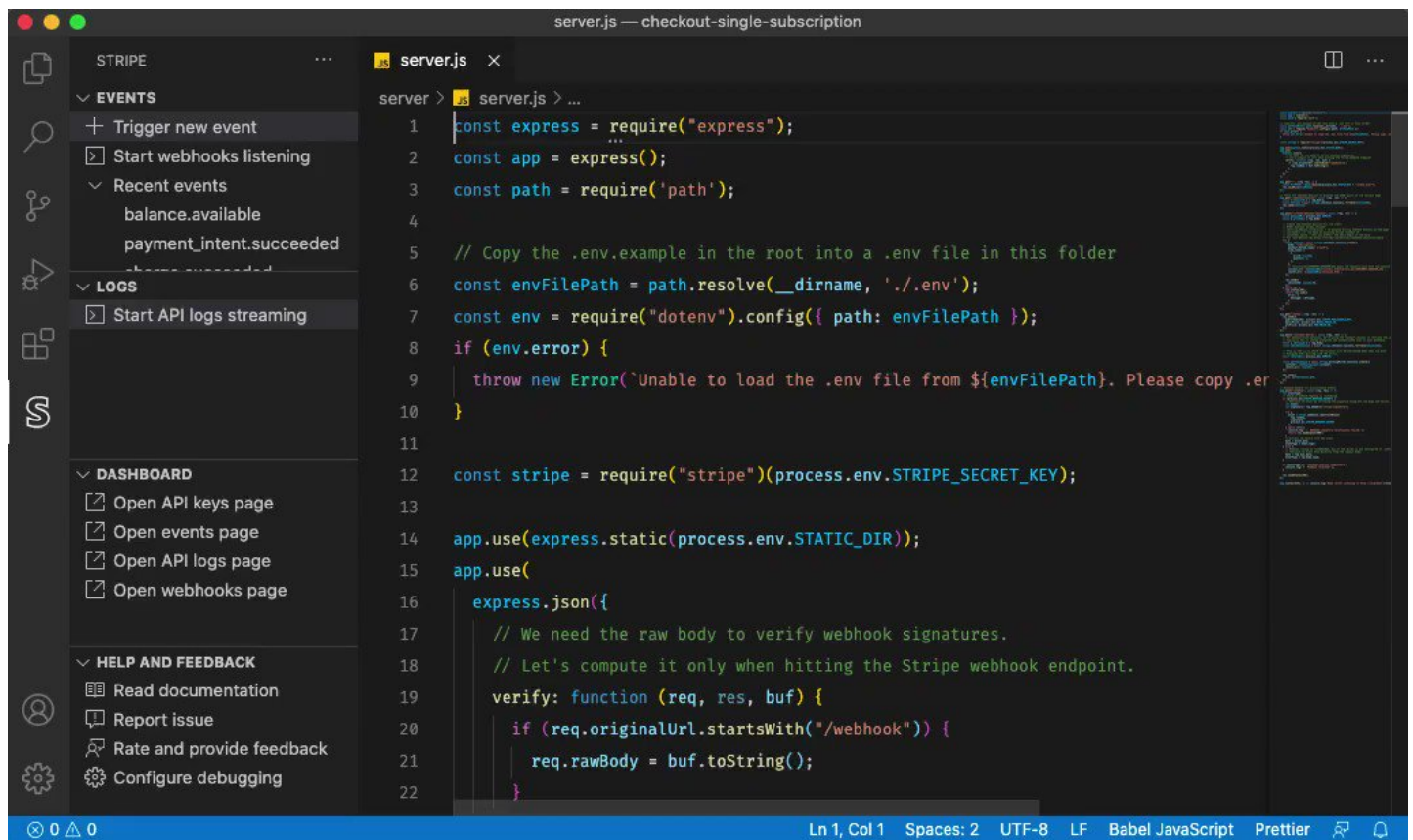
The screenshot shows a code editor with a file named 'stripe.js'. The code is as follows:

```
1 const Stripe = require('stripe');
2 const stripe = Stripe('sk_test_0000000000');
3
4 stripe.balance.retrieve
5   // asynchronously call
6   });
7
```

A warning message is displayed over the API key in line 2:

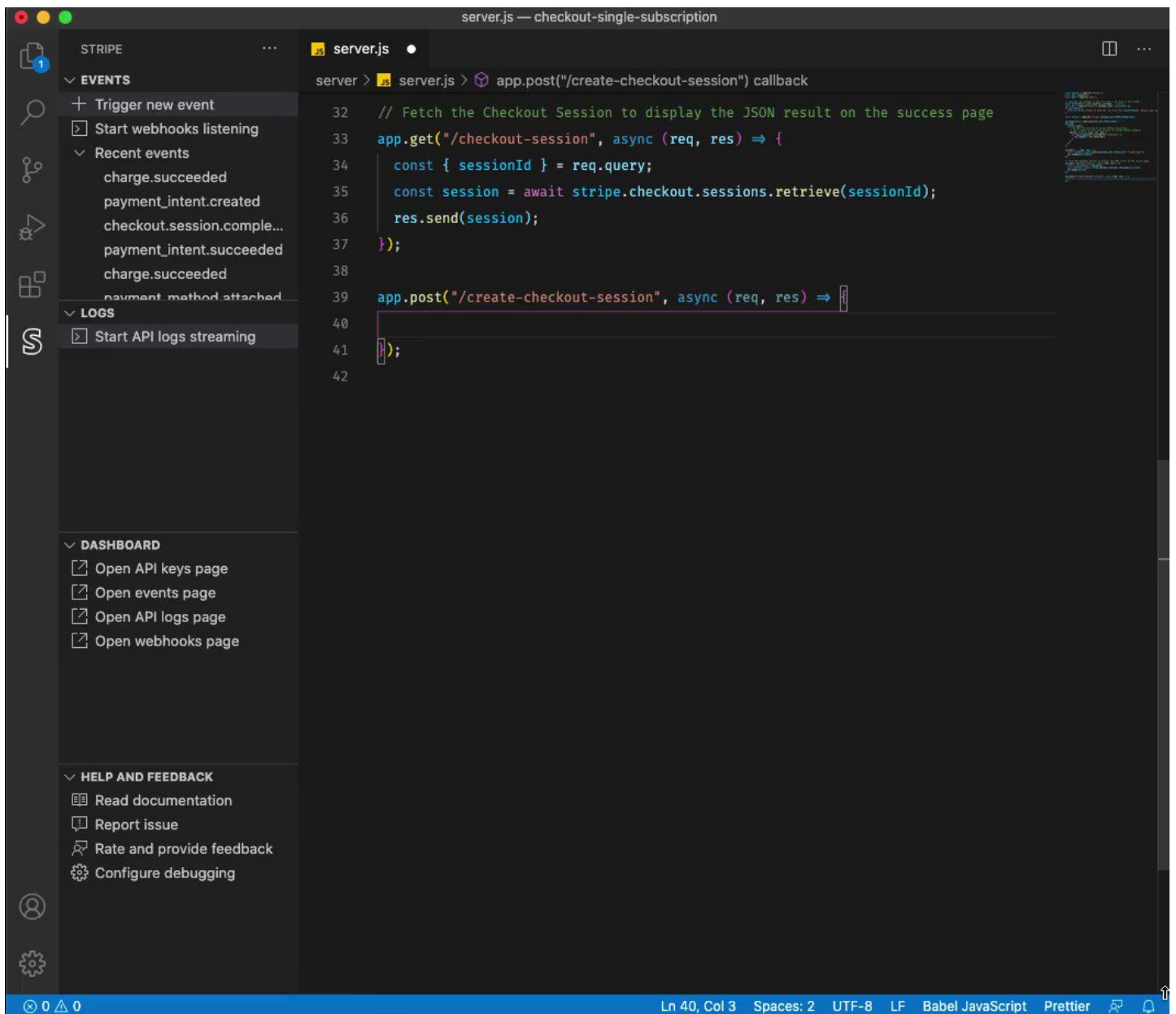
```
This Stripe API Key is hardcoded. For better security, consider using a .env file. See
https://stripe.com/docs/keys#safe-keys for more advice.
Peek Problem (⌘F8) No quick fixes available
```

■ Sometimes things go wrong and you need to access the most recent logs to debug things. To make it easier we are bringing you log-streaming directly inside the editor. Simply run the command and get the logs streamed to your editor.

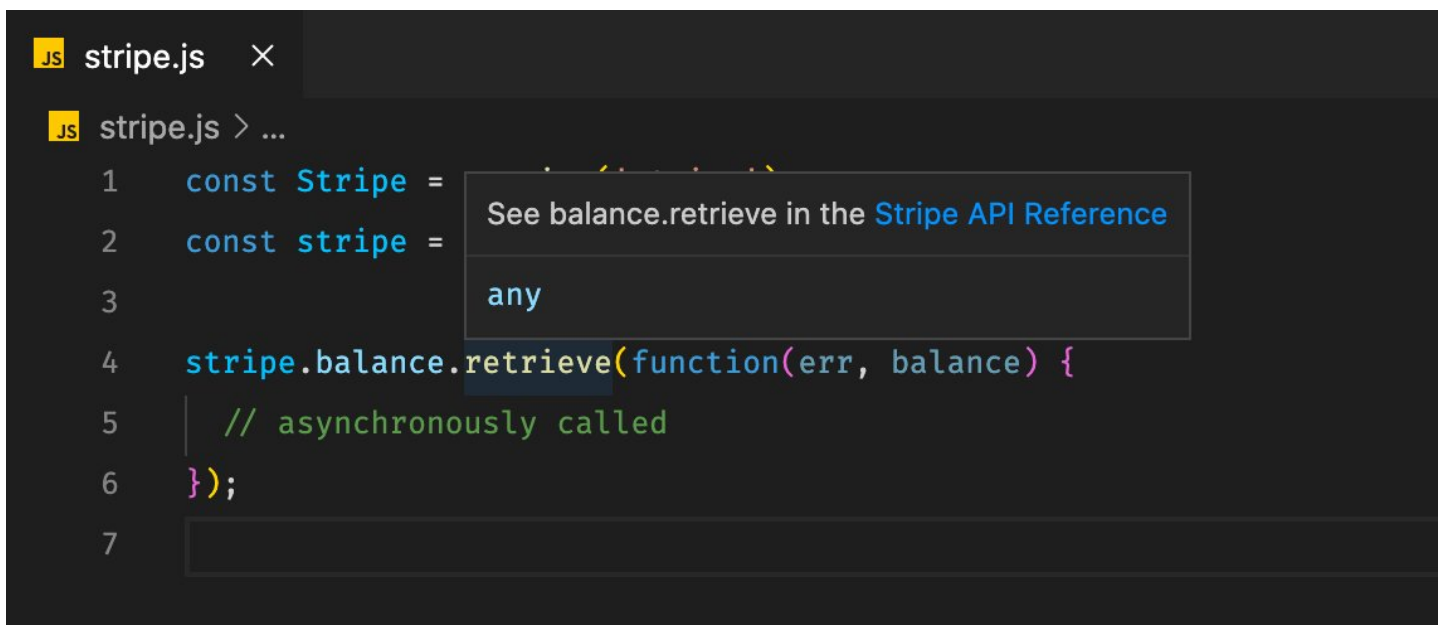


■■■ When integrating Stripe, sometimes you need to look up code examples in our documentation.

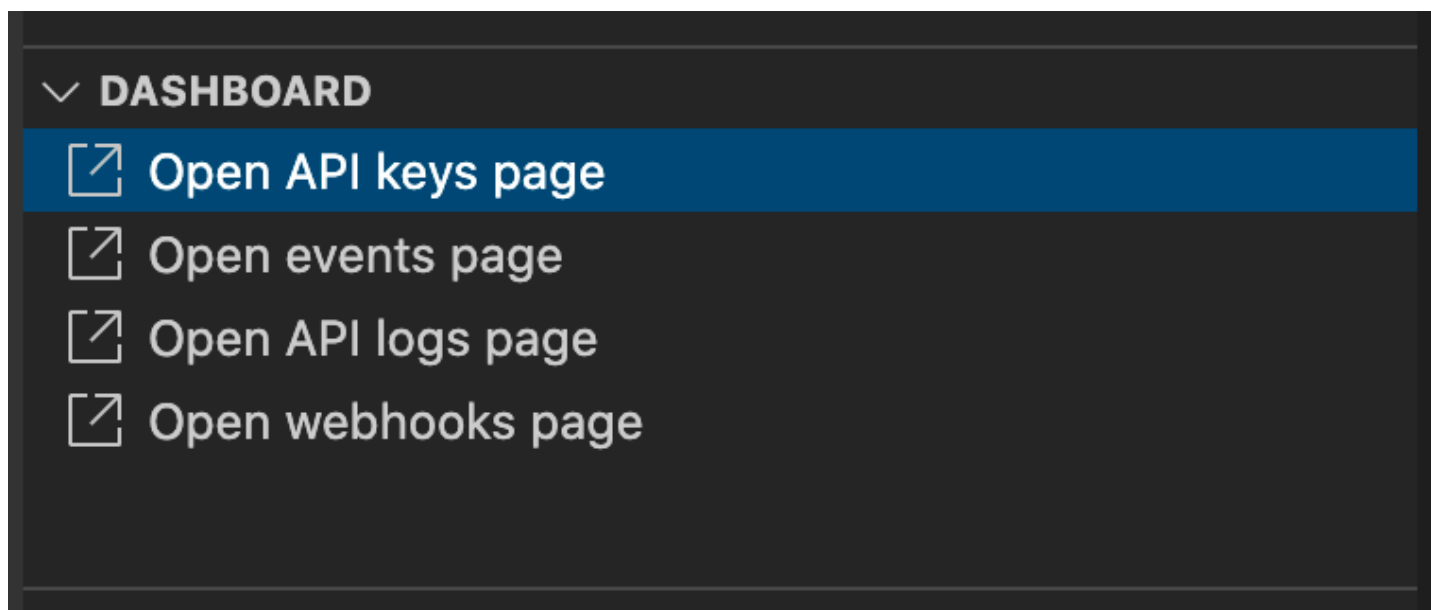
Code snippets brings code examples from our docs into the editor, so you have less code to write and everything in one place.



■ API References are essential to learning about APIs, so we brought you integrated API ref links directly inside the editor. Hover over a method when using our SDKs, and VS Code will link to the method in our API ref.



■ Sometimes you need to access the Stripe Dashboard, so we added commands to quickly open the Dashboard's most commonly used sections. Bam!



We are just starting to scratch the surface of what it means to bring Stripe closer to your source code and inside your editor.

What would you like to see in your favorite developer tool? What would improve your developer experience with Stripe?