

Agentic Payment Hackathon - Brussels
11/22/2025

Stripe: Laying the Foundation for Agentic Capabilities

Getting Started: Steps for creating a Stripe account and receiving your first payment via the dashboard.

API Usage: Guidance on processing payments using the Stripe API, specifically via a Payment Intent or a Hosted Checkout Page.

Hackathon Resources: Detailed descriptions and links for key agentic resources, including the Agent Toolkit, the Stripe MCP Server (Model Context Protocol), and the Agentic Commerce Protocol (ACP) specification.

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Start with Stripe

Create your Stripe account

- 1) Create your account [following this link](#). Feel free to use an already existing sandbox account you have.

The screenshot shows the 'Create your Stripe account' form. It includes fields for Email, Full name, Password, and Country (set to France). There is a checkbox for receiving newsletters and a 'Create account' button. Below the form are links for 'Sign up with Google' and 'Sign in'.

Create your Stripe account

Email

Full name

Password

Country

France

Get emails from Stripe about product updates, industry news, and events. You can [unsubscribe](#) at any time. [Privacy Policy](#)

Create account

OR

Sign up with Google

Already have an account? [Sign in](#)

- 2) Enter the account details, and create your account.
- 3) You can now login to your account, this is what you should see. Welcome to the Stripe Dashboard! Note: if you are creating a new account, all numbers are at 0. Money will flow soon !

The screenshot shows the Stripe Sandbox dashboard. On the left, there's a sidebar with navigation links like Home, Balances, Transactions, Customers, Product catalog, Shortcuts, Payments analytics, Reports, Tax, Radar, Disputes, and Products. The main area has a header "Today" with a chart showing Gross volume (€0.00) and Yesterday (€543.75). It also shows EUR balance (€3,509.18), Payouts (€1,888.07), and Estimated future payouts. To the right, there's a "Recommendations" section with a link to "Complete your Connect platform profile" and an "API keys" section showing Publishable key (pk_test...) and Secret key (sk_test...).

Receive your first payment

On dashboard

- 1) Click on the action button and select “Payment”.

This screenshot shows the Stripe dashboard with the "Payment" option highlighted by a purple circle. The "Payment" button is located in a dropdown menu above the "Recomm..." section. Below the "Payment" button, there's a callout box with the text "Complete your Connect platform profile." and "Embed a payment form on your site or redirect to a Stripe-hosted page." A "Setup guide" button is also visible.

- 2) Enter the One-time Payment Amount, currency, Description and Statement descriptor. Make sure to use a **Test Card**. You can find all available Test Payment Methods here.

You can optionally create a [Customer Object](#). This can be useful but for now you can skip this step.

[One-time](#) [Recurring ↗](#)

Amount
€ 10.00 EUR ⚖

Customer Optional
Find or add a test customer...

Description ⓘ
My First Payment With Stripe

Statement descriptor ⓘ
Test Transaction

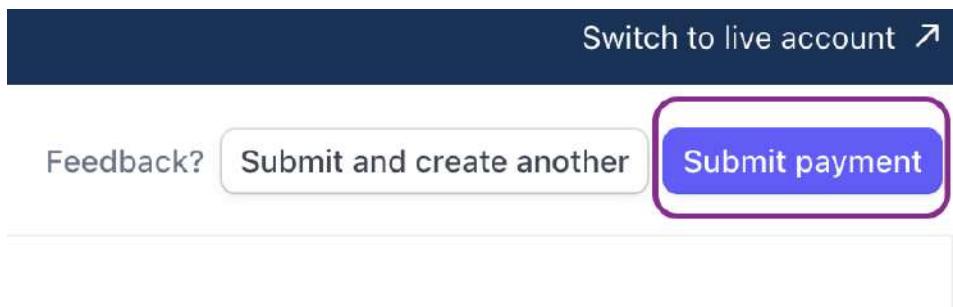
Payment method

Manually enter card information
VISA 4242 02 / 29 123 75011
 Save card to customer ⓘ
› More options

Use a customer's on file payment method

Email your customer a hosted invoice with Stripe Billing

- 3) Finally validate the payment



- 4) You can see the payment transaction in the 'Transactions' tab. I let you explore all the aggregated data you can collect from here about the transactions by clicking into it !

A screenshot of the Stripe Transactions page. On the left, there is a sidebar with links to Home, Balances, Transactions (which is highlighted with a red box), Customers, Product catalog, Payments analytics, Reports, Tax, Radar, and Disputes. The main area has a title "Transactions" and a sub-header with tabs: Payments, Payouts, Top-ups, Collected fees, Transfers, and All activity. There is a note about new features related to connected accounts. Below this is a summary table with filters: All (54), Succeeded (36), Refunded (0), Disputed (7), Failed (0), and Uncaptured (0). At the bottom, there is a detailed table with columns: Amount, Refunded date, Payment method, Description, Customer, and Date. A single row is shown: €10.00 EUR, Succeeded, 2023-11-14, stripe, My First Payment With Stripe, and Nov 14, 7:56 AM.

Using the API

All the API documentation on Stripe can [be found here](#).

Via a Payment Intent

- 1) Get your API Keys in your home page.

[Learn more](#)      [Setup guide](#) 

Recommendations 

Embed a [payment form](#) on your site or redirect to a Stripe-hosted page.

Design a custom payment flow with [embedded UI components](#).

API keys [View docs](#)

Publishable key	pk_test_...
Secret key	sk_test_...

- 2) [Now follow this guide](#) to create a [Payment Intent](#), retrieve the client secret and finally collect the payment details.

Via a Hosted Checkout Page

- 3) You can also use a Stripe Hosted Checkout Page [following this guide](#). You would need to provide a Price ID. For this manually you can:
 - Go to the Product Catalog section of your dashboard and click on 'Create products'



The screenshot shows the Stripe Product Catalog page. At the top, there are navigation links: Home, Balances, Transactions, Customers, and Product catalog (which is highlighted with a blue border). Below the navigation is a header with tabs: All products, Features, Coupons, Shipping rates, Tax rates, and Pricing tables. The main area displays a table with three columns: 'All' (containing 7 items), 'Active' (containing 7 items), and 'Archived' (containing 0 items).

- b) Specify the name of the product, the amount and select one-off purchase.

The screenshot shows the 'Add a product' form in the Stripe dashboard. The 'Name (required)' field contains 'Product Test'. The 'Description' field is empty. The 'Image' section has a placeholder 'Upload'. The 'Product tax code' section shows 'Use preset: General - Electronically Supplied ...'. The 'More options' dropdown is open, showing 'Recurring' and 'One-off' (which is selected). The 'Amount (required)' field shows '€ 5.00' with 'EUR' selected. The 'Include tax in price' dropdown is set to 'Auto'. On the right, a 'Preview' panel shows the total calculation: $1 \times €5.00 = €5.00$. It also lists 'Subtotal' as '€5.00', 'VAT 20% (inclusive)' as '€0.83', and 'Total' as '€5.00'. Buttons at the bottom include 'Cancel' and 'Add product' (which is highlighted).

- c) By clicking on the newly created product and on its price, you can retrieve the price_id to use to purchase the product via the Hosted Checkout page.

The screenshot shows the 'Price for Product Test' page. It displays a single price entry for 'Product Test' with a unit price of '€5.00'. To the right of the price, the 'price_id' is shown as 'price_15T1f859f7xru9ctfq6p1o'. There are edit and more options buttons next to it. A search bar and a setup guide link are visible at the top.

Hackathon Useful Ressources

Agent Toolkit

A set of SDKs, reference patterns, and ready-made tools for building AI agents that can read from and act on Stripe. It abstracts the hard parts of “agentifying” Stripe workflows—auth and scoping, rate limits and retries, idempotency, audit logging, human-in-the-loop checkpoints, and safety guardrails—so you can focus on the task logic (e.g., creating/refunding charges, managing subscriptions and invoices, checking payouts, handling disputes).

Useful Resources:

- [Official Documentation](#)
- [Quickstart Guide](#)
- [Related GitHub \(in Stripe AI repo\)](#)
- [PyPI Package \(for Python integration\)](#)

Stripe MCP Server

A Model Context Protocol (MCP) server that exposes Stripe and adjacent enterprise tools as discoverable, strongly-typed capabilities to MCP-compatible agents and IDEs. It acts as the secure bridge between agents and internal systems, mediating authentication, policy, and observability while normalizing tool interfaces. With it, agents can discover and call tools (e.g., Stripe APIs, data, tickets, docs) through a single, consistent protocol, enabling safer, auditable automation from a wide range of MCP clients.

Useful Resources:

- [Official Documentation](#)
- [Related GitHub \(in Stripe AI repo\)](#)

Agentic Commerce Protocol

The Agentic Commerce Protocol (ACP) is an open-source specification that enables AI agents to securely discover, evaluate, and complete purchases on behalf of buyers. It defines standardized RESTful endpoints for creating, updating, completing, and canceling checkout flows, while using SharedPaymentTokens to securely pass payment credentials between AI platforms and businesses without exposing sensitive information.

Useful Resources:

- [Official Website](#)
- [GitHub Repository](#)
- [OpenAI Developer Guide](#)