**Set up Postman for Stripe API Testing**

# Overview

Set up Postman to test Stripe APIs like real time to understand how they work.

# Pre-requisites

* Formatted payload to generate requests to the API (to be obtained by the developer).
* Stripe API Key (Refer [Get your Stripe API Key](#_Get_your_Stripe)).

# Assumptions

* Reader is new to Postman.

# Steps

## Download and Install Postman.

* 1. Open URL [Postman Download](https://learning.postman.com/docs/getting-started/installation-and-updates/) .
  2. Under the **Contents** section, click the version of the application based on your machine.
  3. Click **Download**.
  4. Under **The Postman app** section, click **Windows 64-bit**.
  5. **Run** the downloaded .exe file.
     + A window flashes for the installation.It closes on its own after the installation is complete.
     + The Postman window opens on your machine.

## Sign Up and Login to Postman.

* 1. In the Postman desktop application, Click **Create Account**.
* This will take you to the web application of Postman.
  1. Fill out the form for Create Account and click **Create Free Account** (If you already have an account, click **Sign In** - Enter details and click **Sign In**)**.**
* A browser pop-up appears asking to confirm if the Postman app can be opened.
  1. Click **Open**.
     + You are now signed in from the Postman desktop and web app.
     + A window appears asking you to select a Workspace to move your local data.
  2. Click **Skip.**

## Set up local API workspace on Postman for Stripe.

* 1. In the **Search Bar**, type **StripeDev**.
  2. From the search results, click on **StripeDev** with the tag **Team Profile**.
  3. Click **Stripe Developers.**
     + This takes you to Stripe Workspace.
  4. In the section **Stripe Developers,** click **Stripe API.**

**Note:** This workspace is locked for you to make any changes. Hence, it must be forked to your local workspace.

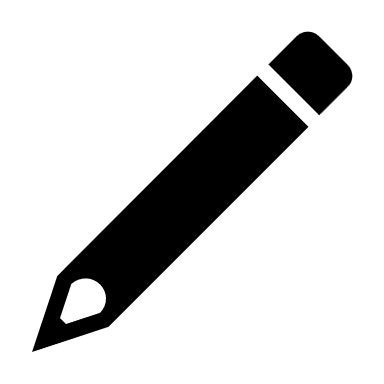
* 1. Click **Fork.**
  2. In the **Fork label**, type a suitable *Fork Name*.
  3. Click **Fork Collection.** 
     + A window appears asking to make your profile public.
  4. Click **Make Profile Public.**
* Fork is created.

## Set up Postman Environment.

* 1. Create a new Environment using [Create New Environment in Postman](#_Create_a_New).
  2. Set up Stripe key using [Set up Stripe Key in Postman](#_Set_up_Stripe).
  3. Set up Authorization using [Set up Authorization in Postman](#_Set_up_Authorization).

# Create a New Environment in Postman.

* 1. In the **My Workspace** section, Click on **Environments.**
  2. Click the **+** icon (Create New Environment).

**Optional**: Rename the Environment as suitable using the Pencil icon  in the text box for Environment Name in place of **New Environment**.

# Set up Stripe Key

1. In the text box **Add new Variable**, Type **Secret\_Key**.
2. Under **Initial Value**, type the value of *Stripe Secret Key.* Refer [Get your Stripe Key](#_Get_your_Stripe) for the value.
3. Click **Save.**

# Set Environment for the Workspace

1. In the **Collection** section, expand **Stripe API**.
2. In the top right corner of the Postman app window, Select the environment created by you.

# Set up Authorization in Postman.

1. In the **Authorization** section, for **Type** select **Bearer Token**.
2. For **Token**, type **{{Secret\_Key}}.**
3. Click **Save.**

* Your Postman application is now all set for Stripe API testing.

# Get your Stripe Secret Key.

## Create a Stripe account.

* 1. Go to [Stripe Dashboard - Register User](https://dashboard.stripe.com/register)
  2. Fill in the Create User form and Click on **Create Account.**
     + Your Stripe User Account is created.

## Get your Stripe Key.

* 1. Click **Developers.**
  2. In the section **API Keys**, click **Reveal test key**.

**Note**: You may be asked to confirm your password for authentication.

* 1. Click on the **Token** for **Secret Key** to Copy it.