

Stripe Checkout Pages Using PHP

Development Environment Setup

Overview

With Lon Hosford

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This is a Visual Step by Step Workbook and voice transcript for accompanying video for this portion of the course.

Getting Setup



Are you all ready to get your Stripe development environment in place?
Lets get a quick overview and then get to it.

Web Server Configuration



~~file:///~~

http://domain_or_localhost



You cannot load web pages that use Stripe without a web server.
So we start out by looking at your web server's requirements for the course.

Web Server Configuration



~~file:///~~

http://domain_or_localhost



It needs the current Stripe approved version of PHP installed.
We will go online to check that out and all of Stripe's PHP needs.

Web Server Configuration



~~file:///~~

http://domain_or_localhost



https://domain_or_localhost



You also need to know why and when to use a digital certificate on your web server. So we will look into that in this section.

Stripe Account Setup and Dashboard

stripe

Create your Stripe account.

...or save your account later, and [skip this step](#) »

Create your Stripe account

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

[Forgot your password?](#) • [Privacy Policy](#) • [Contact](#) • © Stripe



Then you are going to need a Stripe account.

Stripe Account Setup and Dashboard

stripe

Create your Stripe account.

...or save your account later, and [skip this step](#) »

Email

Password

Confirm password

Create your Stripe account

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

[Forgot your password?](#) • [Privacy Policy](#) • [Contact](#) • © Stripe

Unsaved

Saved Not Activated

Activated



There are a few options for going about that.
We will make comparisons and go through all the steps to get a working account setup.

Stripe Account Setup and Dashboard

Application Status: **Saved, but not yet submitted** [What is this?](#)


Where are you based?
Country: United States

Your product
Tell us about your business:

Business details
Your business type: Individual / Sole Proprietorship
EIN (Tax ID): (Optional)
Business address:
Your website: [?](#)

Bank details
You can accept USD. Currencies without a bank account will be converted and sent to your default bank account. [Learn more](#)
Your bank account must be a checking account.
Routing number: ⓘ
Account number: ⓘ
Confirm account number: ⓘ
Almost done! Save your Stripe account
Email:
Password:
[Activate account](#) [Save for later](#)
By activating your account, you agree to our [Terms of Service](#).

Your personal details
Verify your identity: [Log in with Facebook](#) [Log in with LinkedIn](#) [Log in with Google](#)
Connecting these accounts helps us confirm your identity. We will never post to these accounts on your behalf.
Legal name:
Date of birth:
Social Security Number:
We use the last four digits to verify your identity.
Credit card statement details
Your description and phone number will appear on your customers' credit card statements. Don't worry, we'll never post this information later.
Business name:
Phone:



This includes the information needed to go into live production.

Stripe Account Setup and Dashboard

Application Status: **Saved, but not yet submitted** [What is this?](#)

Where are you based?

Country:

Your product

Tell us about your business:

Business details

Your business type:

EIN (Tax ID): (Optional)

Business address:

Your website:

Bank details

You can accept USD. Currencies without a bank account will be converted and sent to your default bank account. [Learn more](#)

Your bank account must be a checking account.

Routing number:

Account number:

Confirm account number:

Almost done! Save your Stripe account

Email:

Password:

[Activate account](#) [Save for later](#)

By activating your account, you agree to our [Terms of Service](#).

Your personal details

Verify your identity: [Log in with Facebook](#) [Log in with LinkedIn](#) [Log in with Google](#)

Connecting these accounts helps us confirm your identity. We will never post to these accounts on your behalf.

Legal name:

Date of birth:

Social Security Number:

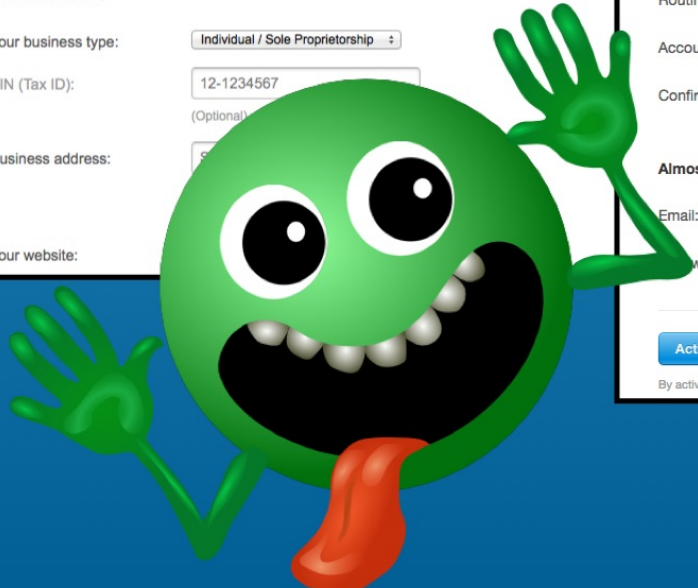
We use the last four digits to verify your identity.


Credit card statement details

Your description and phone number will appear on your customers' credit card statements. Don't worry, we'll redact your card number and expiration date. [Learn more](#)

Business name:

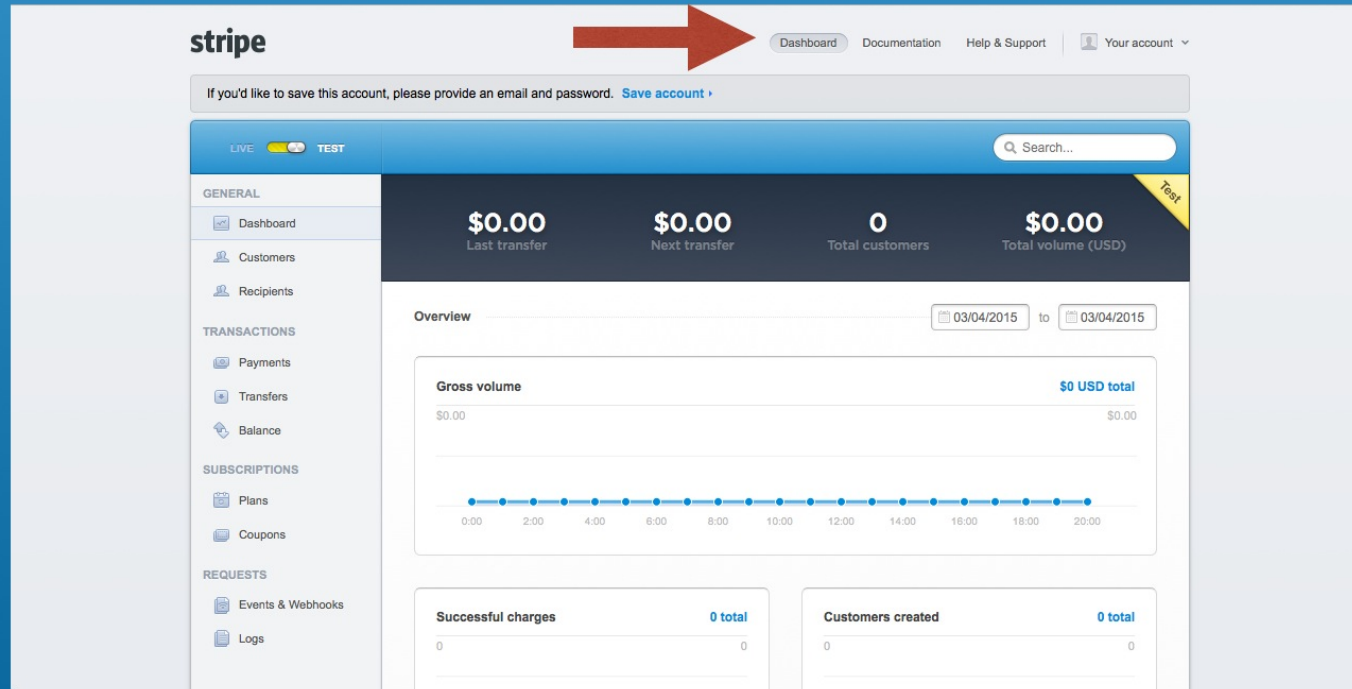
Phone:





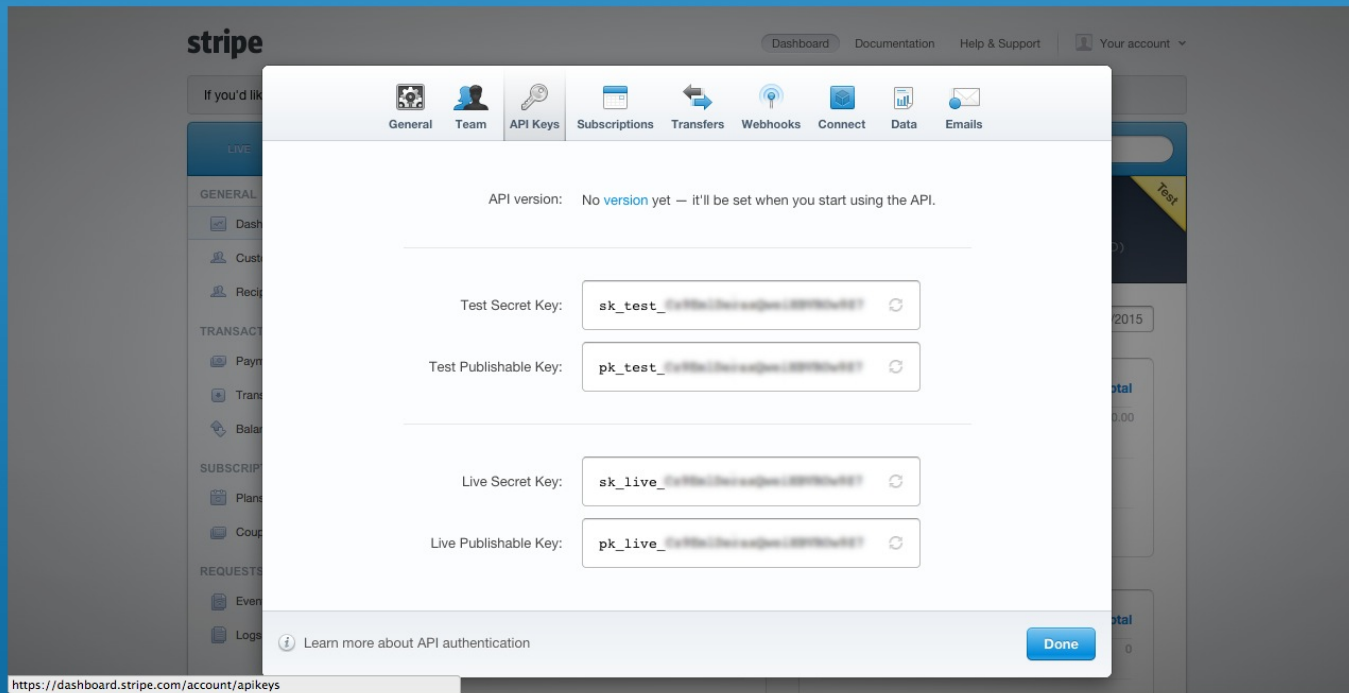
But do not worry.
You will not need a bank account or business setup to follow along in the course.

Stripe Account Setup and Dashboard



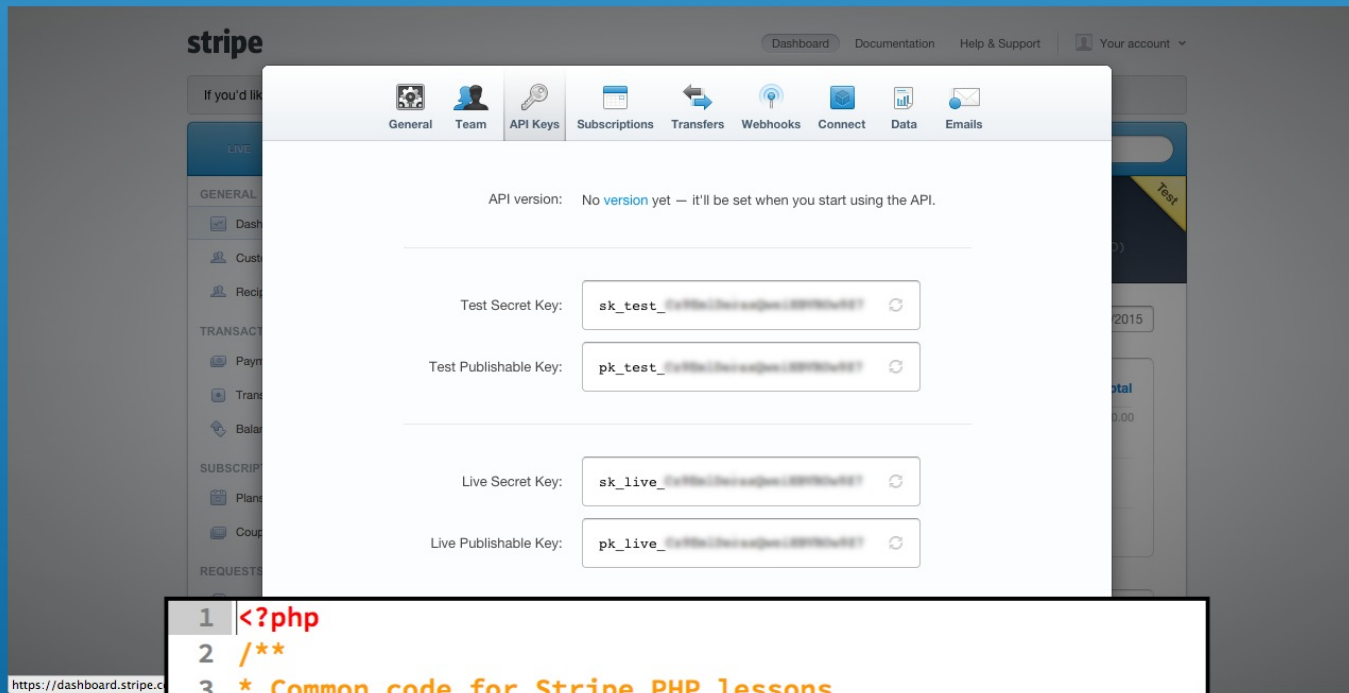
You also get introduced to using your Stripe account Dashboard.
It is your back office to your account and keeps track of transactions that occur on your website.

The Stripe API Keys



Next we are going to get a grip on your Stripe API keys.

The Stripe API Keys



```
1 <?php
2 /**
3  * Common code for Stripe PHP lessons
4  */
5
6 // Stripe API keys
7 $st_test_secret_key = "sk_test_...";
8 $st_test_public_key = "pk_test_...";
9
10 ?>
```

We will create a simple PHP script to include them in our practice code.



API Keys in Stripe Documentation

Step 1: Embed the Checkout

To get started, add the following code to your page.

```
<form action="" method="POST">
  <script
    src="https://checkout.stripe.com/checkout.js" class="stripe-button"
    data-key="pk_test_
    data-amount="4000"
    data-name="Demo Site"
    data-description="2 widgets ($20.00)"
    data-image="/128x128.png">
  </script>
</form>
```

The key thing to
communicating
replace the test
about [livemode](#)

An alternative
allows you to
dynamic argu

Read more ab

Step 2: Set

Your life becom
parts of PCI co
website.

With Checkout
safely send to
live send

stripe api

API

Introduction

Authentication

Errors

Pagination

Versioning

Expanding objects

Metadata

Idempotent requ...

METHODS

Charges

The charge object

[Create a charge](#)

Retrieve a charge

Update a charge

Capture a charge

Create a charge

To charge a credit card, you create a charge object. If your API key is in test mode, the supplied card won't actually be charged, though everything else will occur as if in live mode. (Stripe assumes that the charge would have completed successfully).

ARGUMENTS

amount REQUIRED A positive integer in the [smallest currency unit](#) (e.g 100 cents to charge \$1.00, or 1 to charge ¥1, a [0-decimal currency](#)) representing how much to charge the card. The minimum amount is \$0.50 (or equivalent in charge currency).

currency REQUIRED 3-letter [ISO code](#) for currency.

curl Ruby Python **PHP** Java Node Go

Definition

```
\Stripe\Charge::create();
```

Example Request

```
\Stripe\Stripe::setApiKey("sk_test_
\Stripe\Charge::create(array(
  "amount" => 400,
  "currency" => "usd",
  "source" => "tok_15claxIIpyNluc9SouWRegee", // obtained with
  Stripe.js
  "description" => "Charge for test@example.com"
));
```

Example Response

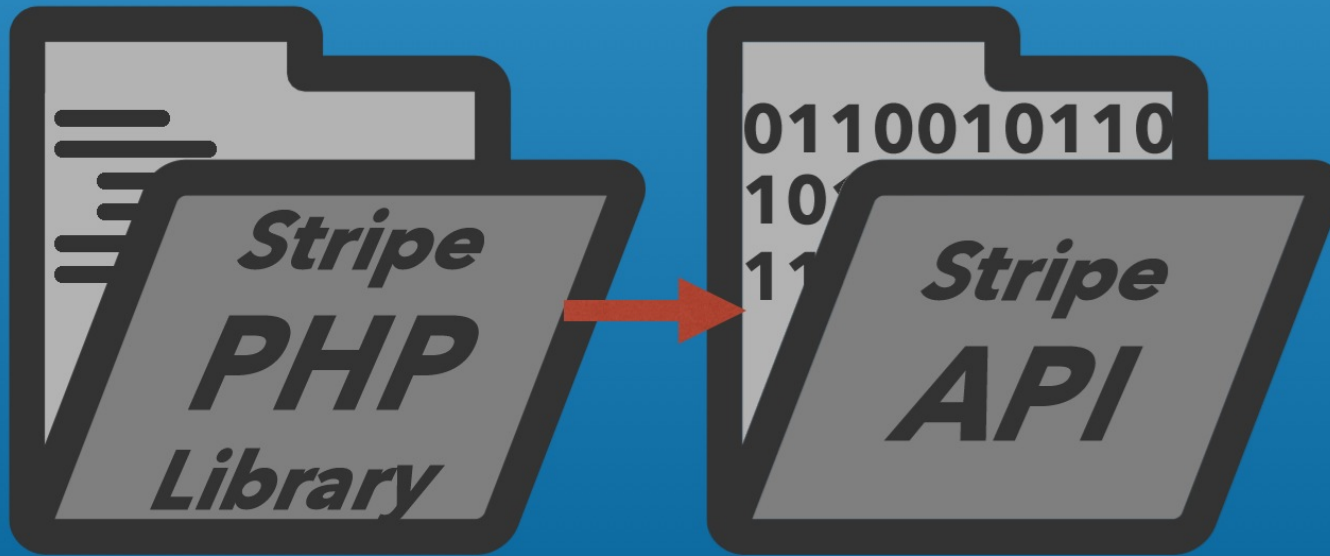
```
Stripe\Charge JSON: {
  "id": "ch_15claxIIpyNluc9S4kv0upou",
```



stripe.com/docs/api/php#create_charge

Then we learn about how they are used in the code that you will write.

Installing the Stripe PHP Library




A screenshot of the Stripe API documentation for the "Charges" endpoint. The page shows the "The charge object" section with a list of attributes: id (string), object (string, value is "charge"), livemode (boolean), and amount (positive integer or zero, Amount charged in cents). A 3D book icon is overlaid on the page. To the right, the "Example Response" is shown in JSON format:

```
stripe api Charges
The charge object
ATTRIBUTES
id string
object string, value is "charge"
livemode boolean
amount positive integer or zero
Amount charged in cents
Example Response
stripe\Charge JSON: {
  "id": "ch_15eAvCIIpyNluc9Sike3GmEI",
  "object": "charge",
  "created": 1425846166,
  "livemode": false,
  "paid": true,
  "status": "succeeded",
  "amount": 100,
  "currency": "usd",
  "refunded": false,
  "source": {
    "id": "card_15claXIIpyNluc9SGxfX1fsj",
    "object": "card",
```

Lastly, Stripe provides libraries for various programming languages to access its API. We are going to use the Stripe PHP library.

Installing the Stripe PHP Library



A cartoon illustration of two people driving a blue car. The driver is wearing a green shirt and sunglasses, and the passenger is wearing a yellow shirt and sunglasses. They are both smiling and waving. The car is filled with beach gear, including a red and white striped beach umbrella, a pink beach ball, and a blue beach bag. The car is driving on a road, and there are some clouds in the background.

GitHub This repository Search Explore Features Enterprise Blog Sign up Sign in

stripe / stripe-php Watch 65 Star 588 Fork 139

Stripe PHP bindings <https://stripe.com>

446 commits 1 branch 72 releases 50 contributors

branch: master stripe-php / +

Merge pull request #152 from mattsnowboard/patch-1

bkrausz authored 3 days ago latest commit 4fb974db16

data	Add namespaces	2 months ago
lib	Fix Charge::refund syntax error	3 days ago
tests	Support transfer reversals	8 days ago
	Add Support for coveralls code coverage	2 months ago
	Add Support for coveralls code coverage	2 months ago
	Add init file	15 days ago
	Bump version for transfer reversals	8 days ago
	Update LICENSE	2 years ago
	Update README to detail manual installation	15 days ago

<> Code

Issues 5

Pull Requests 2

Pulse

Graphs

HTTPS clone URL

<https://github.com>

You can clone with HTTPS or Subversion.

Clone in Desktop

Download ZIP

We plan a trip to the Github repository where the Stripe PHP Library is maintained. It has helpful installation options and is a great place to keep up to date on changes and issues.

Code Outcome

```
1 <?php
2 /**
3  * Common code for Stripe PHP lessons
4  */
5
6 // Send startup errors to stdout(1) vs stderr (0)
7 ini_set('display_startup_errors', 1);
8 // Send runtime errors to stdout(1) vs stderr (0)
9 ini_set("display_errors", 1);
10 // PHP levels of error reporting
11 error_reporting(E_ALL);
12
13 // Stripe API keys
14 $st_test_secret_key = "sk_test_";
15 $st_test_public_key = "pk_test_";
16
17 // File path to the Stripe library
18 $path_to_stripe_lib = dirname(__FILE__) . '../../../stripe-php-2.1.1/';
19
20 include_once($path_to_stripe_lib . 'init.php');
21
22 ?>
```

Surprisingly all this boils down to a few lines of code.
And we can keep it all in a single sharable file for all our needs.

Wrap Up



Thats a wrap!
Go ahead and get started on the sessions for getting yourself setup.
See you at the first one!

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