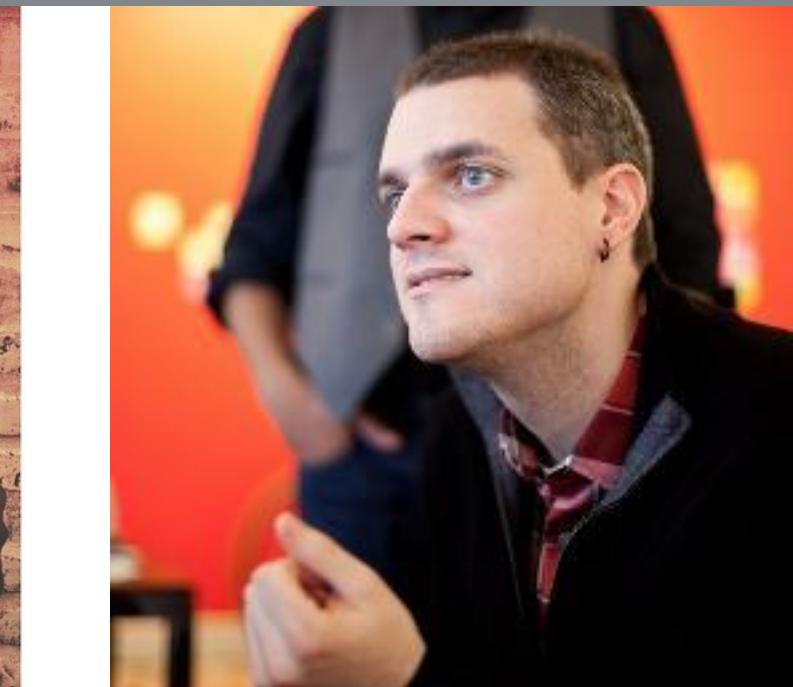
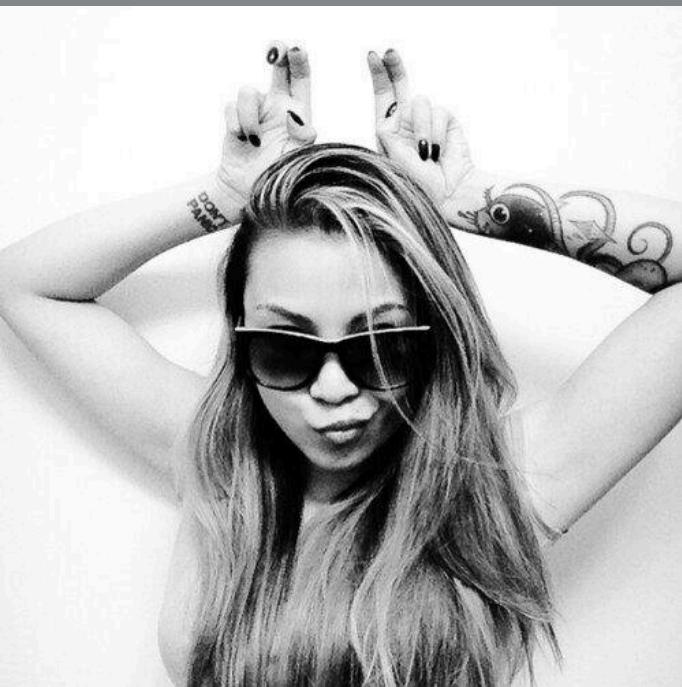


The Shopify API

API?

Meet The Team

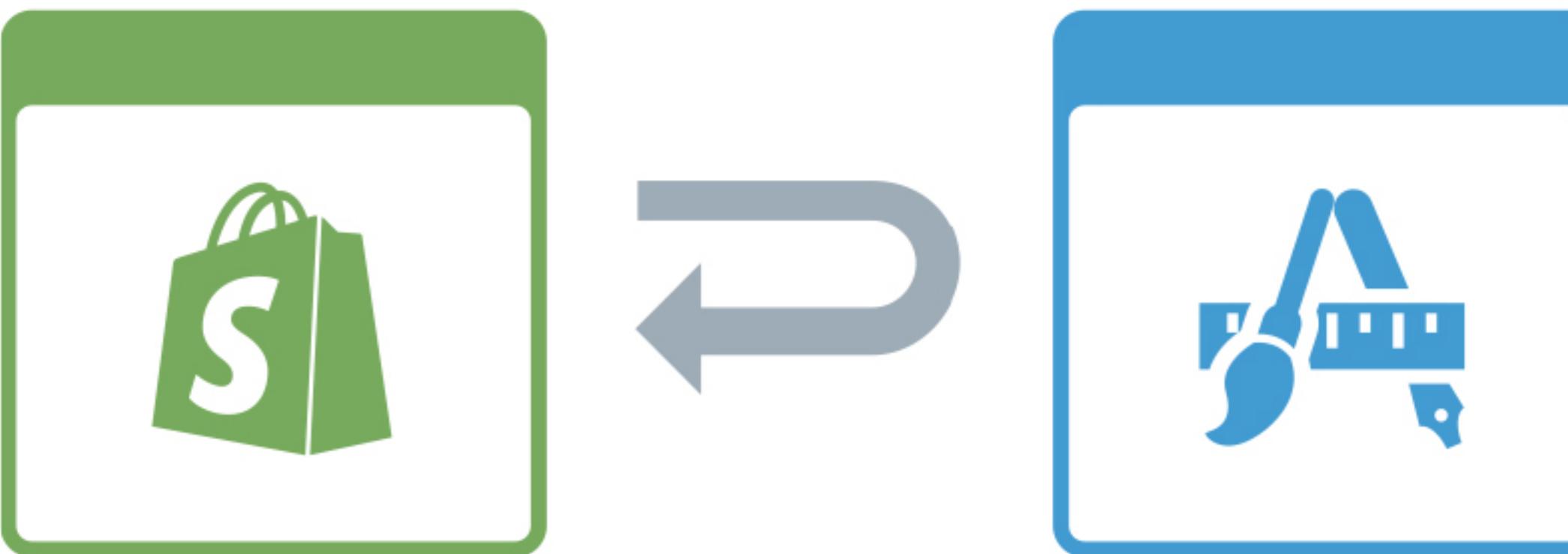


Ways to Integrate with Shopify

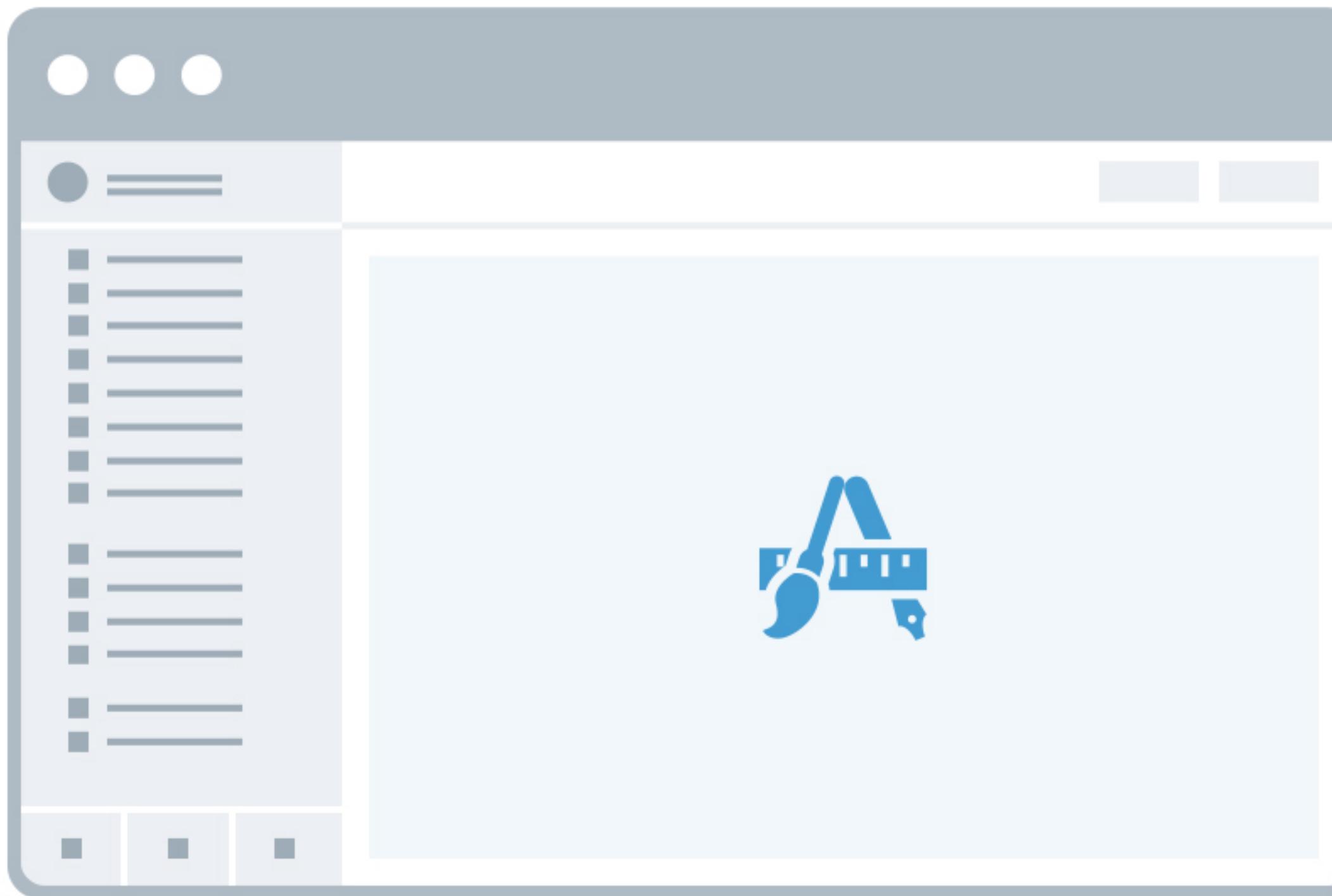
Rest API



Webhooks, CarrierService



Embedded App SDK



What kinds of needs do merchants have?

Unique Integrations

Deeper Analysis

Complex Processing



Rest API



<http://bit.ly/shopify-api-demos>

Inbox - Christopher.Saunders Deckset for Mac. Turn your Postman https://www.getpostman.co

← → C chrome-extension://fdmmgilgnpjigdojopjoooikmcomcm/index.html

Import a collection X

Import from disk

Drop files here or

Choose Files No file chosen

Import from a URL

<http://bit.ly/splusdemo>

Import

Upgrade to Postman packaged app

Supporters

2

API Demo

List Products

GET <https://domain/admin/products.json>

API Demo

Get Single Product

GET <https://domain/admin/products/1234.json>

API Demo

Create A Product

POST <https://domain/admin/products.json>

API Demo

Update a Product

PUT <https://domain/admin/products/1234.json>

API Demo

Remove a Product

DELETE <https://domain/admin/products/1234.json>

Shopify Success Codes

200 OK

LOL



201 Created



Shopify Error Codes

401 Unauthorized



No unauthorised
persons allowed
beyond this point

PLATFOI

1°4

RAWIE

403 Forbidden

ACCÈS
FORMELLEMENT
INTERDIT
ARRÊTÉ MUNICI
N°107-10
DU 8 JANVIER 2010

404 Not Found



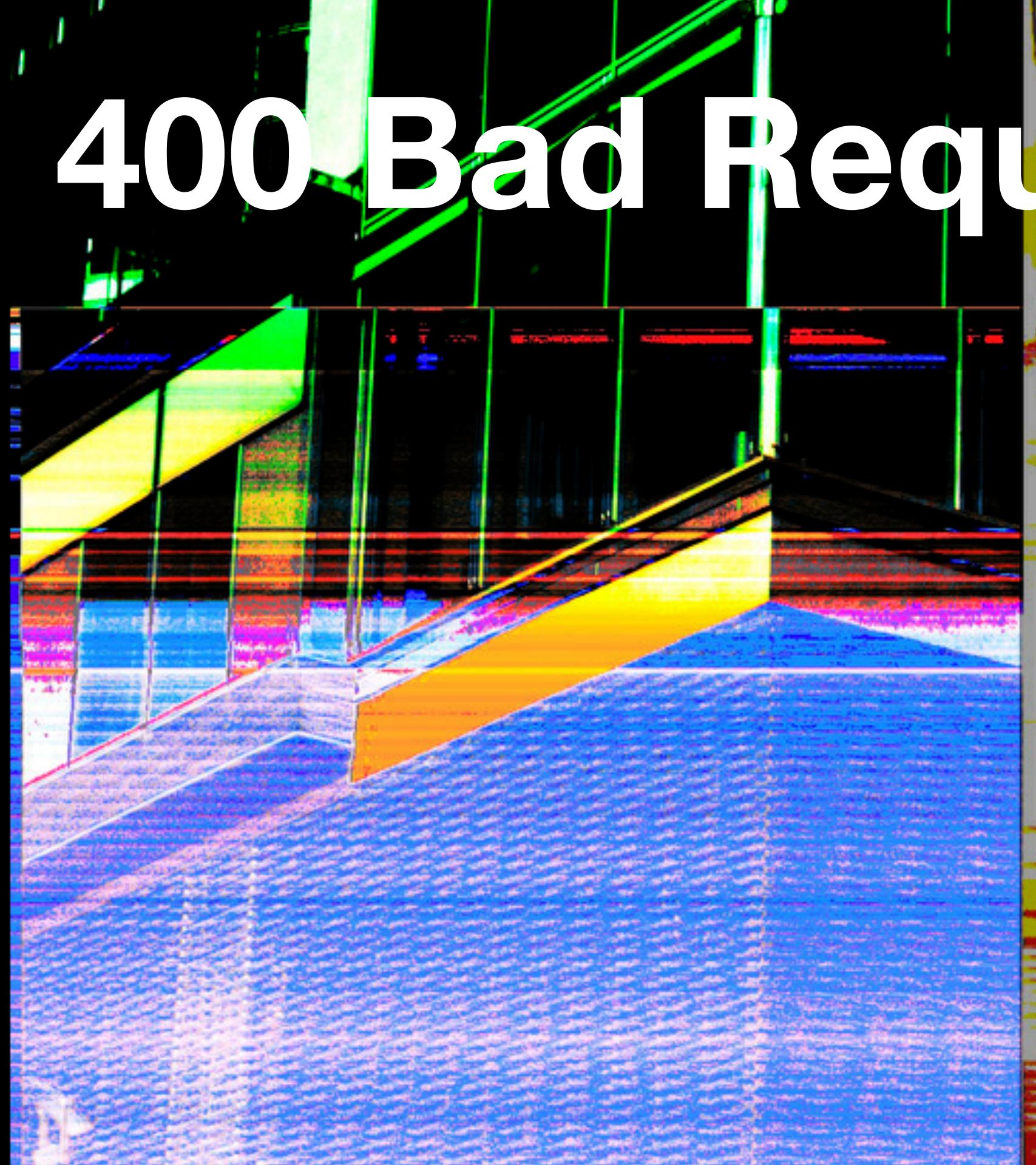
422 Unprocessable Entity



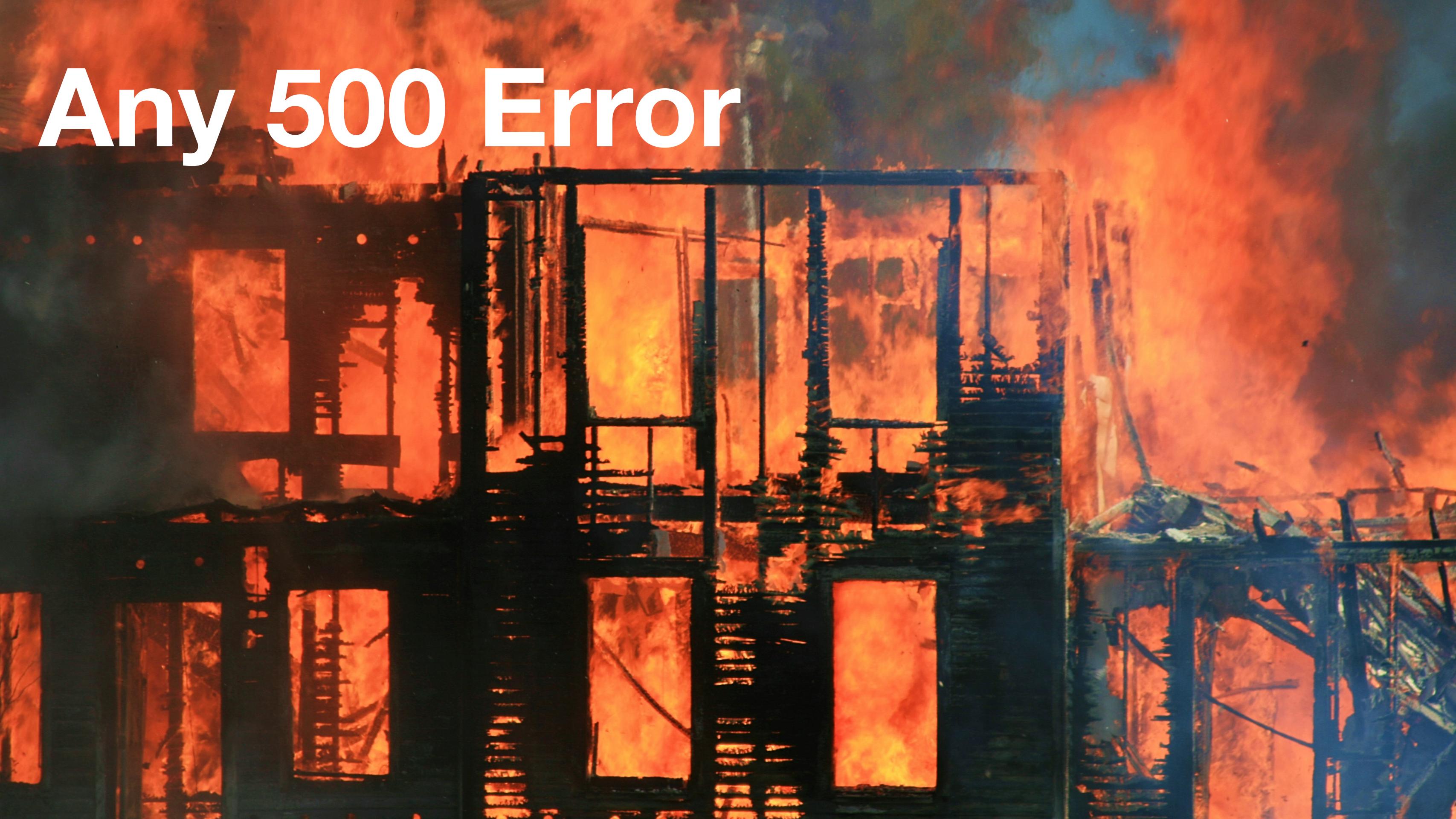
429 Too Many Requests



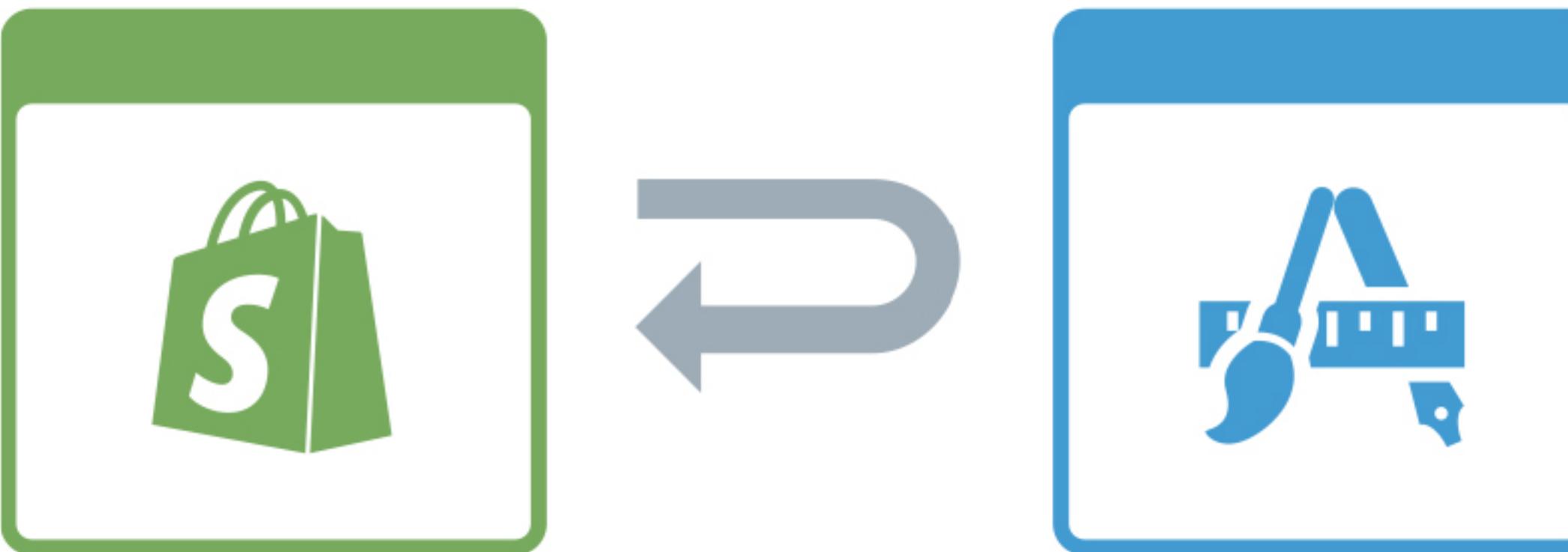
400 Bad Request



Any 500 Error



Webhooks, CarrierService



Staying up to date with Webhooks

A little bit about Webhooks

- You need the right permissions to register for a webhook
- Webhooks don't include historical data

Handling Webhooks

- The data in the webhook is slightly different from our API responses

```
{"title": "Product Title", "id": 1234, "etc": "..."}  
          ^  
          |  
          v
```

Registering a Webhook

Scoping of Webhooks

Carrier Services

<http://manykitchens.com/>

<http://theprintful.com/>

Fulfillment Services

<http://theprintful.com>

Embedded App SDK



Serving your Apps

Just Mops Shop
Chris Saunders ▾

Search

Dashboard

 Orders 17

Customers

Products

Collections

Discounts

Gift Cards

Reports

Blog Posts

Pages

Navigation

Themes

Apps



Order Printer / Order AXYY-1360

[View order](#)[Print](#)**Invoice****Just Mops Shop**07/15/14
Invoice for AXYY-1360Ottawa ON K1L 8G8
Canada**Item Details**

Quantity	Item	Taxes	Price
1 x	My Little Creeper	\$3.25 HST	\$25.00

Transaction Details

Type	Amount	Kind	Status
Credit Card	\$43.25	authorization	success
Credit Card	\$43.25	capture	success

Templates

- Invoice** [edit](#)
 Packing slip [edit](#)

[View all](#)[Add template](#)**Billing & Shipping Address**

Christopher Saunders
Shopify
500 Sherbourne
Unit 2704
Toronto ON M4X 1L1
 Canada



Order total: \$43.25 CAD

Just Mops Shop
Chris Saunders

Search

Dashboard

Orders 17

Customers

Products

Collections

Discounts

Gift Cards

Reports

Blog Posts

Pages

Navigation

Themes

Apps

?

?

?

Order Printer / Order AXYY-1360

[View order](#)[Print](#)

Invoice

Just Mops Shop

07/15/14
Invoice for AXYY-1360Ottawa ON K1L 8G8
Canada

Item Details

Quantity	Item	Taxes	Price
1 x	My Little Creeper	\$3.25 HST	\$25.00

Transaction Details

Type	Amount	Kind	Status
Credit Card	\$43.25	authorization	success
Credit Card	\$43.25	capture	success

Templates

- Invoice** [edit](#)
 Packing slip [edit](#)

[View all](#)[Add template](#)

Billing & Shipping Address

Christopher Saunders
Shopify
500 Sherbourne
Unit 2704
Toronto ON M4X 1L1
 Canada

Order total: \$43.25 CAD

 Just Mops Shop
Chris Saunders Search Dashboard Orders

17

 Customers Products Collections Discounts Gift Cards Reports Blog Posts Pages Navigation Themes Apps Order Printer / Order AXYY-1360[View order](#)[Print](#)

Invoice

Just Mops Shop07/15/14
Invoice for AXYY-1360Ottawa ON K1L 8G8
Canada**Item Details**

Quantity	Item	Taxes	Price
1 x	My Little Creeper	\$3.25 HST	\$25.00

Transaction Details

Type	Amount	Kind	Status
Credit Card	\$43.25	authorization	success
Credit Card	\$43.25	capture	success

Templates

- Invoice** [edit](#)
 Packing slip [edit](#)

[View all](#)[Add template](#)**Billing & Shipping Address**

Christopher Saunders
Shopify
500 Sherbourne
Unit 2704
Toronto ON M4X 1L1
 Canada

Order total: \$43.25 CAD

App Links

Just Mops Shop
Chris Saunders

Search

Dashboard

Orders 17

Customers

Products

Collections

Discounts

Gift Cards

Reports

Blog Posts

Pages

Navigation

Themes

Apps



Orders /AXYY-1360 Today at 5:33pm

⚠ This is a test order. Your payment gateway may b

APPS

🖨 Print with Order Printer

1 pending fulfillments Payment received Refund

Archive

	My Little Creeper SKU: abra	1 × \$25.00	\$25.00
		Subtotal:	\$25.00
		Shipping (Escargo Express -- National):	\$15.00
		HST 13%:	\$3.25
			Total: \$43.25
			Payment: \$43.25
View 2 transactions			

Order note

Add a note to this order ...

Save note

Shipping & Billing Address

[edit](#)

Christopher Saunders

Shopify
500 Sherbourne
Unit 2704



Toronto ON M4X 1L1

Canada

6477018679

[c.saunders322@gmail.com](#) [edit](#)

[View customer profile](#)

Method: **Escargo Express -- National**

Total Weight: **0.0 lbs**



Risk Analysis

- ✓ The billing address country matches the country from

Shop Storefront

**Script Tags to easily provide
storefront javascript**

**Application proxies to provide
custom URLs and content**

Script Tags

Registering a Script Tag

Application Proxies

- Allow you to render data in the storefront
- Return application/liquid as the content type
- Return anything else such as text/html

Application Proxy Example

```
require 'sinatra'

get '/proxies/products-with-even-ids' do
  headers 'Content-Type' => 'application/liquid'
  """
<p>Products with Even Ids</p>
{%
  for product in collections['animate-objects'].products %
    <ul>
      {%
        if product.id | modulo:2 | == 0 %}
          <li>{{ product.title }}</li>
        {%
          endif %}
      </ul>
  {%
    endfor %
  """
end
```

<http://teesforthepeople.com/>

Multipass

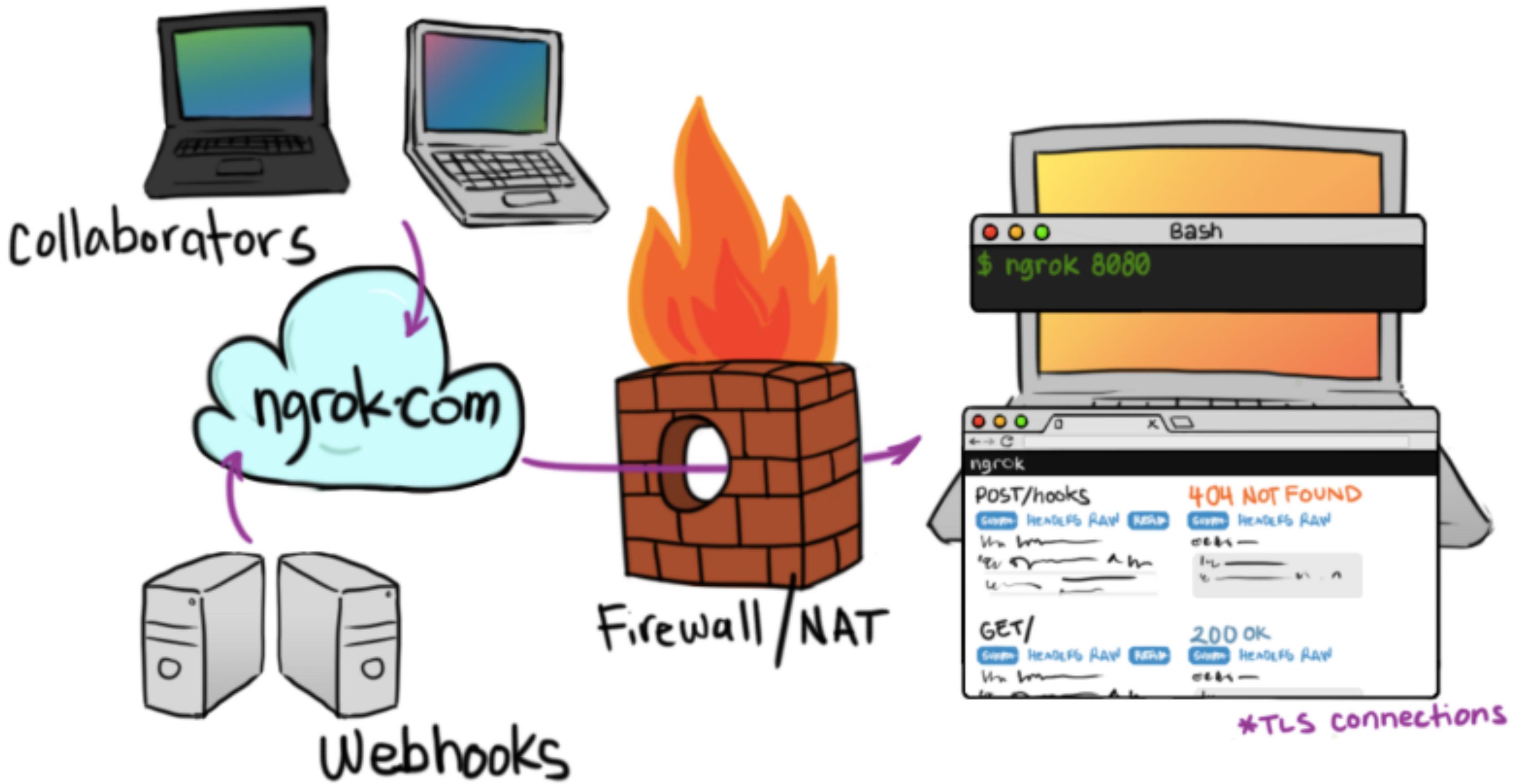
- Only available to Shopify Plus customers
- Associates Shopify customers with external identities (e.g from forums)
- Shop needs to have multipass enabled on their Checkout Settings

Supporting multiple Shops

Tools

- Exposing development environments to the world
- API Client Libraries
- Ways to Easily Play with the API

Exposing your environment to the world



Official API Client Libraries

github.com/shopify/shopify_api

**[github.com/shopify/
shopify_python_api](https://github.com/shopify/shopify_python_api)**

Storefront Ajax Playground

<http://bit.ly/ajaxApiSandbox>

Plain HTTP Requests

Postman

chrome-extension://fdmmgilgnpjgdojopjooooidkmcomcm/index.html

Apps + Pocket CircleCI My PRs Branches My Issues Inspect Store Install Bookmarklet

Normal Basic Auth Digest Auth OAuth 1.0 No environment

POSTMAN

History Collections

Shopify API Requests – Justmops

GET Show All Orders

GET Show Single Order

PUT Update an Order Note

Update an Order Note

https://justmops.myshopify.com/admin/orders/295106437.json

PUT URL params Headers (2)

X-Shopify-Access-Token [REDACTED] Manage presets

Content-Type application/json

Header Value

form-data x-www-form-urlencoded raw JSON

```
1 {"order": {"note": "A Fabulous Note"}}
```

Send Save Preview Add to collection Reset

Live Coding Demo

Goals:

- Build an application that authorizes against shopify
- Fetches products from the Shopify API
- Registers a carrier service to provide shipping rates
- Registers a fulfillment service to provide inventory and tracking numbers

Getting Help

[ecommerce.shopify.com/
c/shopify-apis-and-
technology](https://ecommerce.shopify.com/c/shopify-apis-and-technology)

Q & A