**SHOPIFY AND CAKE – A DRAFT DOCUMENTING THE PROCESS AND NOTES**

Calling the App API (your app link which sets up access tokens from Shopify) – Calling the App here means link to where your app is (NOT calling Shopify)

Call: http://carrier2.anton.co.za/?shop=uafrica4.myshopify.com

**Response:**

{"api\_permission":{"created\_at":null,"id":null,"callback\_url":"http:\/\/carrier2.anton.co.za\/carrier\/rate?code=\u0026hmac=1bd371bc2242ef442d3bdeb362ae2fa1655fbb10e3f11bfab931f66fd1f08420\u0026shop=mytest-46.myshopify.com\u0026signature=b402a37c15101a656e22c155e736e53b\u0026timestamp=1428189854","preferences\_url":null,"app\_url":"http:\/\/carrier2.anton.co.za?hmac=6396cc71d2ed42c37673ee83e9cd2ee4eb119c648275f02aaf5b68310a752a96\u0026shop=mytest-46.myshopify.com\u0026signature=240edb5b1fc721289d144c3e416ef834\u0026timestamp=1428189854","shop\_proxy":null,"api\_client":{"api\_key":"75d76a51f1584bfa01e2049f53e3a87d","api\_permissions\_count":0,"application\_url":"http:\/\/carrier2.anton.co.za","

… page","icon\_path":"https:\/\/cdn.shopify.com\/s\/files\/applications\/75d76a51f1584bfa01e2049f53e3a87d-small.png?1428186129"}],"pos\_api\_links":[]}},"embedded":false}

This was called with Browser Rest test client, the page should redirect or link to the shop : But from the Rest client app, you get the following link to click:

To:

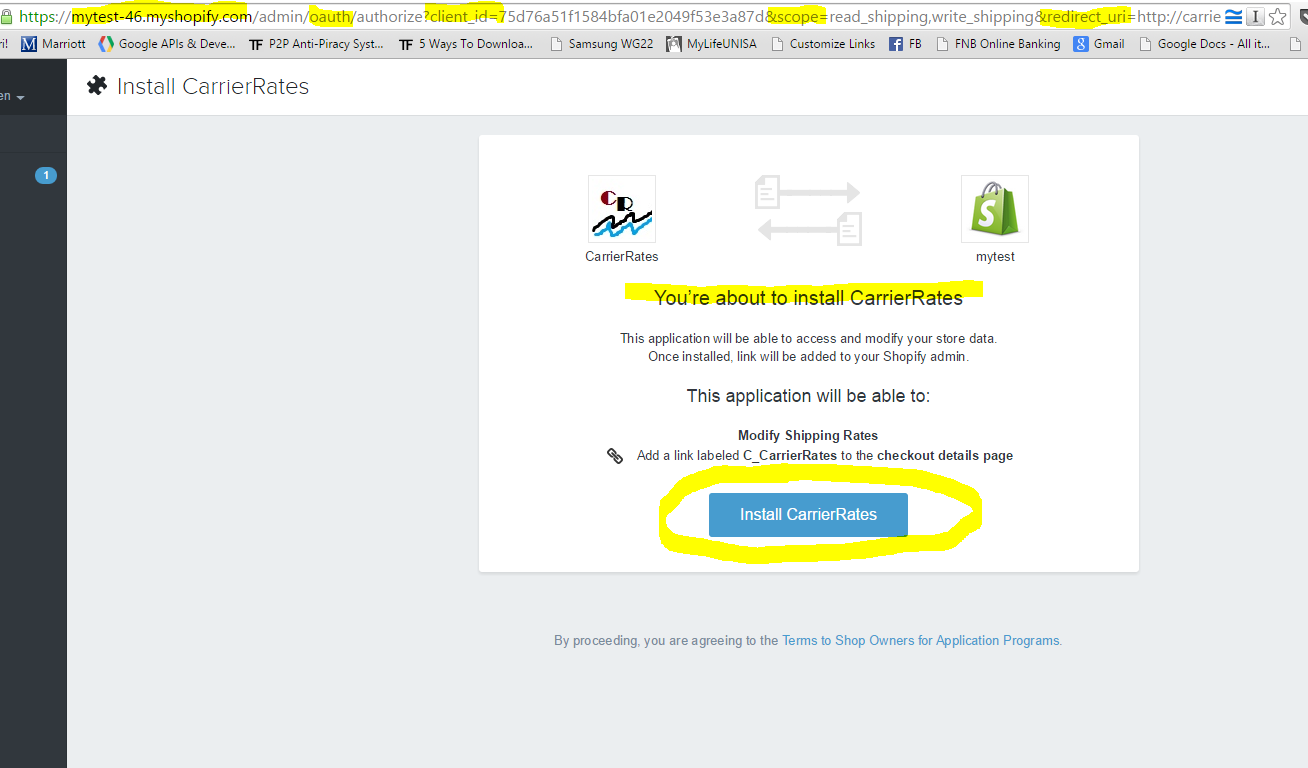
[**https://mytest-46.myshopify.com/admin/oauth/authorize?client\_id=75d76a51f1584bfa01e2049f53e3a87d&scope=read\_shipping,write\_shipping&redirect\_uri=http://carrier2.anton.co.za/carrier/rate**](https://mytest-46.myshopify.com/admin/oauth/authorize?client_id=75d76a51f1584bfa01e2049f53e3a87d&scope=read_shipping,write_shipping&redirect_uri=http://carrier2.anton.co.za/carrier/rate)

with status: **302**

**This link takes us to the Shop page (Not partner or your App page) – but the test Shopify shop you have and the one you defined as the ?shop= in the call :**

http://carrier2.anton.co.za**/?shop=uafrica4.myshopify.com**

The access validation page on the Shop will look something like this:



You will then click on the Install button “Install CarrierRates” in this example or Install <Your App name>

Take note, the call-back url you pass will be what is called after clicking the Install button, it is a Get method/request and as such make sure of the following:

1. The call back is an actually REST end point you would want to handle the token/auth request.
2. Do not make the end point such that it cannot find such a route, or there is no such Controller to handle the call back request

**Shopify Token handling:**

One thing to take note of is that Shopify after linking the app and returning the token (if you call it then with the code, Api key and shared secret) – IT WILL ONLY RETUR THE TOKEN ONCE. So if you want to test your API and get no luck with a token, remove the app first from your store, then try again (else it will drive you mad trying to figure out why you are not getting your token)

**Guzzle or Curl standard?**

Guzzle does not work as well as expected with Shopify – it as advisable to rather use a standard Curl function to make calls.

**STEP BY STEP:**

The process of using and installing the App, and Shopify seeing, and calling your API – are as follows:

1. The App is first called at the endpoint defined in your service – I will use MyApp when the call is made to your service and SFApp when it’s a call to Shopify (hopefully to resolve some confusion I experienced in reading some documentation)

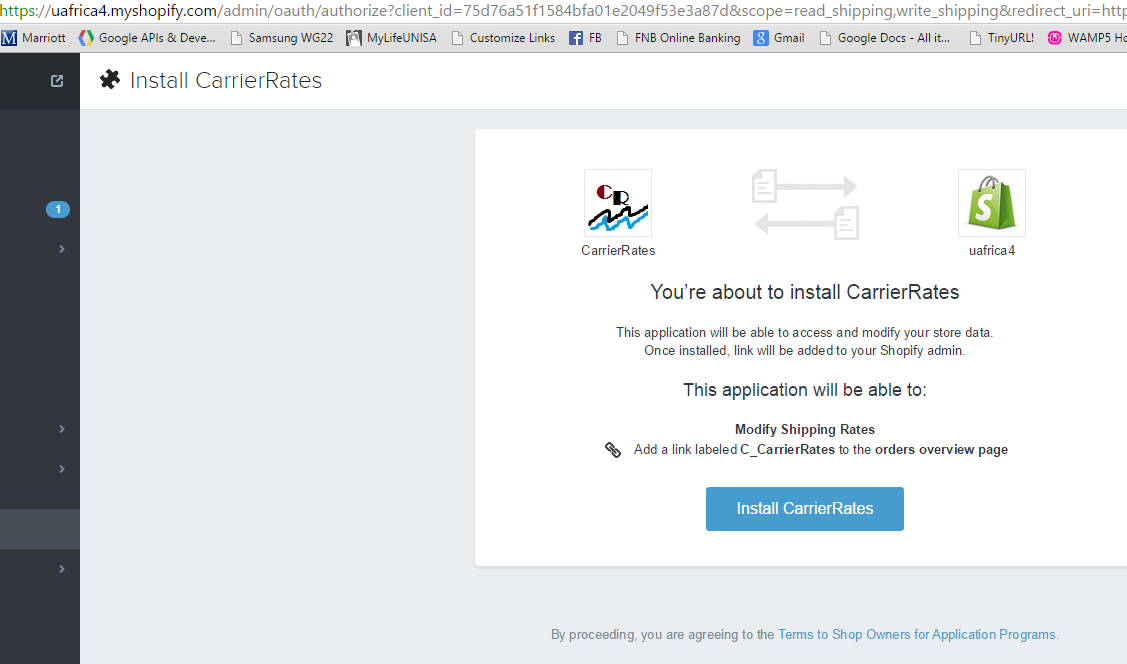
To get the App installed (where one then needs to grant the app access) I call MyApp with:

http://carrier2.anton.co.za/?shop=uafrica4.myshopify.com

This step simply redirects the user back to the shopify domain, as defined in? Shop and

Creates the payload in a POST request to setup access and ask SFApp to send MyApp the token

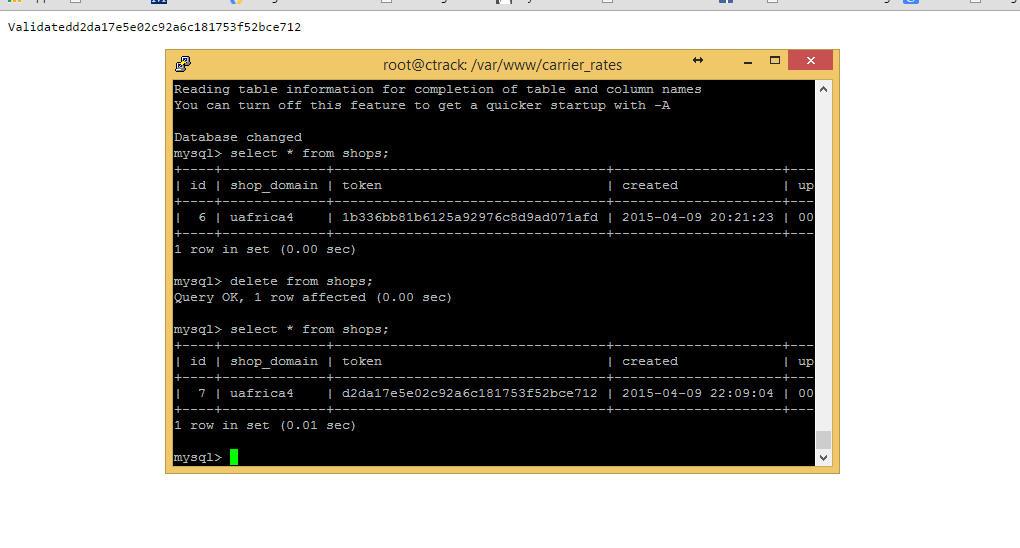
The user is redirected to the Shopify Shop page where they need to enable the App then and looks something like below:



1. The user, on clicking the Install <App Name> button is taken back to MyApp where the token is received.

If our call to SFApp in the redirect in 1) was successful and the user clicked install, the SFApp will send us a token as payload along with some signature and hmac hashes we can use to verify the call came from Shopify.

Below and example when the call is processed on MyApp – simply showing that call was validated (The signature and hmac md5 checksums matched) and then showing what our token is and also showing token saved to Db (of course we won’t echo the token on production)

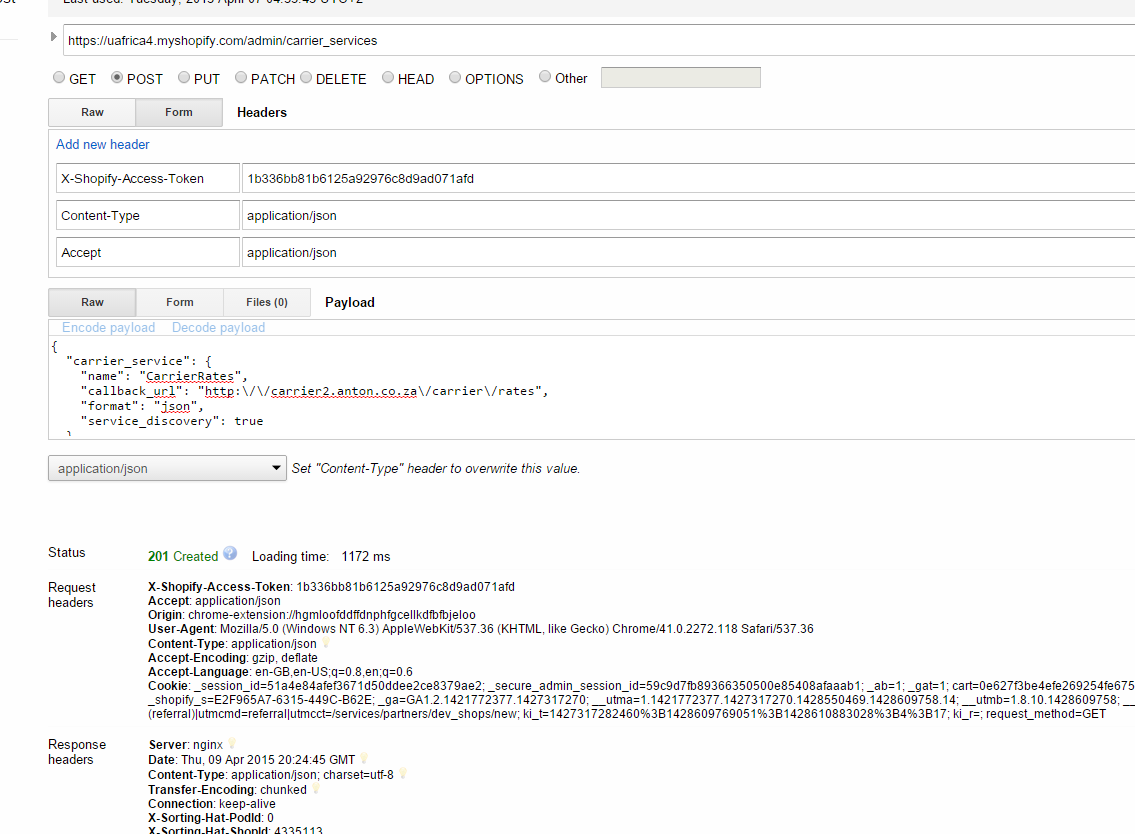


1. Token is saved and then we can call SfApp back again with the token and request App install on the Shop pages.

A payload will include the Header with Token, defined as :

X-Shopify-Access-Token <your token data here?

Below and example of a call I made using a REST client to simulate this call (of course the API will call this)



1. Now only will Shopify Activate the app on the client facing store : and you should see a rates drop down once you check out :

The Shop Admin will also see the app listed in their admin panel view of Apps (and will appear as below, hopefully with a better background image)

