Pipedrive

Create a developer account and some deals (at least 3). In order to accomplish the aim created by linkApi, make at least two of then with the won status. For this, you must click on the deal and set as Won. To check how many deals with the status won you have, click on list, and check how many deals with green you have, as shown on fig 1.

Graphical user interface, text

Description automatically generated

Fig 1. Mock data from Pipedrive. Users created inside the platform Pipedrive to generate a mock data with 2 deals with the status won (green color) and one without status (black).

In order to access that information generated, you must follow this structured of url: <https://api.pipedrive.com/v1/deals?api_token=PIPEDRIVE_TOKEN>.

A picture containing text, screenshot, monitor

Description automatically generated

Fig 2. Getting all deals.

In order to access just the information generated with the status as won, you must follow this structured of url: [https://api.pipedrive.com/v1/deals?status=won&start=0&api\_token= PIPEDRIVE\_TOKEN](https://api.pipedrive.com/v1/deals?status=won&start=0&api_token=%20PIPEDRIVE_TOKEN%20) .

A picture containing text, monitor, screenshot

Description automatically generated

Fig 3. Getting deals with won status.

Getting the same information but now from your API using express (Node js)

In order to get the same data, but now from you API, the following routes have been created: /deals and /won-deals, being /deals the route for all offers and /won-deals for deals with won status, as shown on Fig 4 and 5.

A screenshot of a computer

Description automatically generated

Fig 4. Getting all deals.

A screenshot of a computer

Description automatically generated

Fig 5. Getting deals with won status.

Connecting to Bling

Now that your API is consuming Pipedrive’s data list, a post route will be set up with the path /deals. In order to send this data to Bling, a xml file needs to be generate as shown on the documentation [POST /pedido – Bling!](https://ajuda.bling.com.br/hc/pt-br/articles/360047064693-POST-pedido). Note: before sent a new requisition, you must change the value of the qtde field.

Text

Description automatically generated

Fig 6. Post request sent to Bling from rest API with some fields fulfilled with Pipedrive’s data.

In or der to verify if the request worked, access Bling website as shown on Fig 7.

Graphical user interface

Description automatically generated

Fig 7. Received requests made from API to Bling.

Saving and consuming information in MongoDB

In order to analyze the total if deals made per day and their amount, a NoSQL database were used as shown on Fig 8. All data received from the post request and the fields: value, number, organization name and date were added. To discover the total of deals with won status and the total value obtained per day, a get request with the path as /all was used as shown on Fig 9.

Graphical user interface, text, application, email

Description automatically generated

Fig 8. Schema of orders in MongoDB

Text

Description automatically generated

Fig 9. Total of orders with won status and the total value at 6/10/21.

References:

<https://pipedrive.readme.io/docs/core-api-concepts-requests>

<https://developers.pipedrive.com/docs/api/v1/ItemSearch#searchItemByField>

<https://ajuda.bling.com.br/hc/pt-br/articles/360047064693-POST-pedido>

<https://docs.mongodb.com/manual/reference/operator/aggregation/dateToString/>

<https://docs.mongodb.com/manual/reference/operator/aggregation/sum/#:~:text=In%20MongoDB%203.2%20and%20earlier%2C%20%24sum%20is%20available,documents%20that%20share%20the%20same%20group%20by%20key%3A>