

# Linking Deviant to Bybit via Heroku

## What you will need:

- A **Trading View** account  
Use our referral link to get a discount on your pro/premium subscription:  
[https://www.tradingview.com/?aff\\_id=107886f\\_sub=alyavalley](https://www.tradingview.com/?aff_id=107886f_sub=alyavalley)
- **Opal Deviant**  
ALYA NFT holders get automatic access to Opal indicators and trading bot Deviant.  
You can mint a ALYA NFT on our website: <https://www.alyavalley.com/Mint>  
Once you verify your asset in our discord, you will be able to submit your trading view ID to get access to the indicators and the algos.
- A **byBit** account  
Use our referral link to open a new account: <https://partner.bybit.com/b/alyavalley>
- A **Heroku** account to host your webhook app  
[www.heroku.com](https://www.heroku.com)

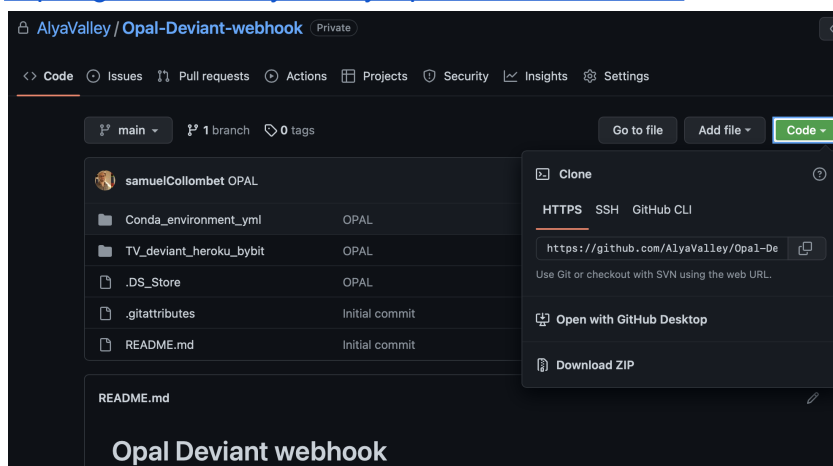
Programs to install:

- **Visual Studio Code**: <https://code.visualstudio.com/>
- **Heroku CLI**: <https://devcenter.heroku.com/articles/heroku-cli>
- **Git**: <https://git-scm.com/downloads>

## 1. OPAL scripts setup

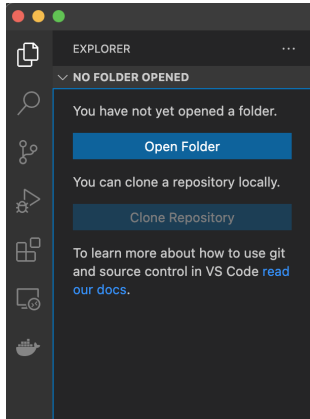
Download the code repository to create the Deviant webhooks from ALYA github:

<https://github.com/AlyaValley/Opal-Deviant-webhook>

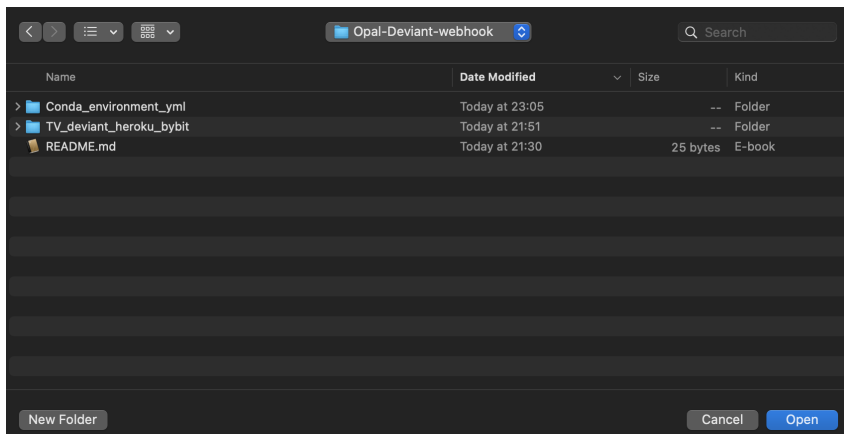


Click on Code, then either select Open with Github if you are familiar with git, or simply download the ZIP file.

Open *Visual Studio Code*, open the Environment tab and click on Open Folder:



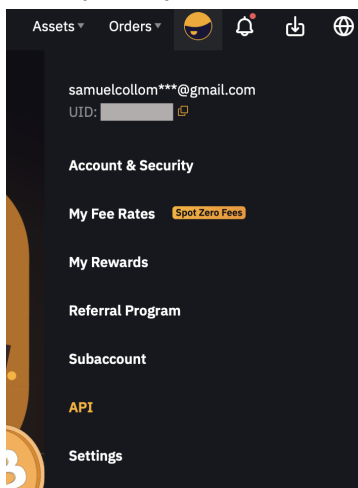
Go inside the folder *Opal\_deviant\_webhook* and click on open:



Agree to trust the authors of this code ;)

## 2. ByBit API setup

Go to your bybit account, Click on your profile logo, and go to API



Click on Create New Key

- Bybit provides clients with the most powerful, industry-leading API functionalities. You can use API to
- Each account can have up to 20 keys.
- **For security reasons, please do not reveal your key(s) to non-trusted third parties.** We recommend multiple IP addresses, enter them separately with commas in between. e.g.192.168.1.1,192.168.1.2
- **After changing your login password, please set up new API key(s), as the old one will expire within**
- **For the safety of your assets, your API secret key will only appear once upon creation, and hidden**

Create New Key

Select the following options and click submit:

Create New Key

API Key Usage

☒ API Transaction ☐ Connect to Third-Party Applications

Name for the API key

Add a remark

API Key Permissions

☒ Read-Write ☐ Read-Only

| Type               | Permission   | Read-Write   |
|--------------------|--|--|
| Contract           | <input checked="" type="checkbox"/> Orders                   | Query order info; submit, modify or cancel orders (Derivatives)  |
|                    | <input checked="" type="checkbox"/> Positions                | Query positions info; modify margin balance, leverage and more (Derivatives)   |
| USDC Contracts     | <input checked="" type="checkbox"/> USDC Derivatives Trading | Query order and asset info; submit, modify or cancel orders (USDC Contracts)   |
| Derivatives API V3 | <input checked="" type="checkbox"/> Trade                    | Trade USDC Perpetual, USDT Perpetual and USDC Options Contracts using the Unified USDB Derivatives Account                   |
| SPOT               | <input checked="" type="checkbox"/> Trade                    | Query order info; submit or cancel orders (Spot)   |
| CopyTrading        | <input type="checkbox"/> Trade                               | Query copy trading orders and submit orders to open/close (only available to users who've successfully enabled copy trading) |
|                    | <input type="checkbox"/> Account Transfer                    | Transfer assets  |

Submit

Write down your secret key and copy it.

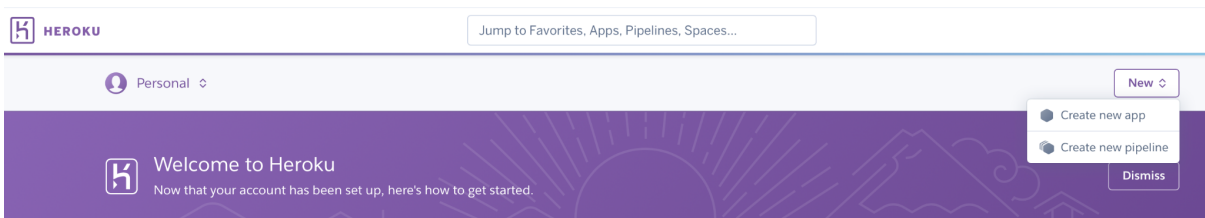
In Visual Studio Code, open the file *bybitconfig.py* with your API keys and a passphrase:

```
Opal_Master-master > bybitconfig.py > ...
1  #Passphrase !!!!Keep it for you!!!!!!
2  WEBHOOK_PASSPHRASE = "choose a password that you will need when setting the webhook in TV"
3
4  #API Keys bybit !!!!Keep them for you!!!!!!
5  BYBIT_API_KEY = "your api key"
6  BYBIT_API_SECRET = "your secret key"
7
8
9
```

### 3. Heroku setup

Create an account on [www.heroku.com](https://www.heroku.com)

Click on New and create new app:



Choose a name and create your app:

Create New App

App name

name-you-choose

name-you-choose is available

Choose a region

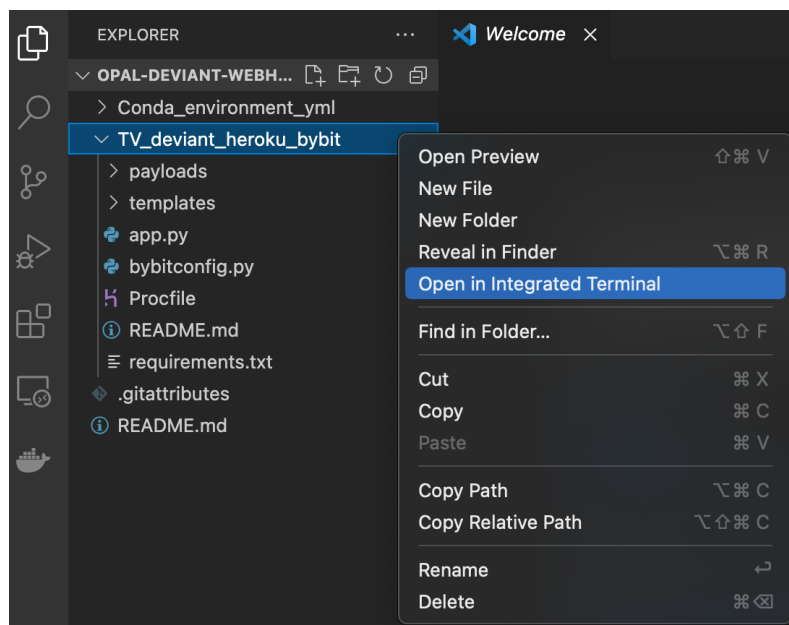
Europe

Add to pipeline...

Create app

## 4. Push the deviant webhook code to heroku

In *Visual Studio Code*, right click on *TV\_deviant\_heroku\_bybit* and click open in integrated terminal:



In the terminal, type the following command (press enter after each command):

```
Heroku login
```

The terminal will ask you to press any key, and open your internet browser to connect to your heroku account. After that go back to Visual Studio Code Terminal and enter the command:

```
git init
```

```
heroku git:remote -a name-of-your-bot-set-on-heroku
```

```
git add .
```

```
git commit -m "pushing my bot to heroku"
```

```
git push heroku main
```

You will see a bunch of code line passing on the terminal, and it should end with something like:

```

6be8cf29aa54485958b46
remote:      Stored in directory: /tmp/pip-ephem-wheel-cache-mxaln6ey/wheels/07/1b/5e/d53f75858d0f5b1e5c4df0551ae144b343eb5e584c42a4c530
remote:      Successfully built pybit
remote:      Installing collected packages: websockets, websocket-client, urllib3, MarkupSafe, itsdangerous, idna, gunicorn, click, charset-normalizer, certifi, Werkzeug, requests, Jinja2, pybit, flask
remote:      Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 certifi-2022.9.24 charset-normalizer-2.1.1 click-8.1.3 flask-2.2.2 gunicorn-20.1.0 idna-3.4 itsdangerous-2.1.2 pybit-2.4.0 requests-2.28.1 urllib3-1.26.12 websocket-client-1.4.1 websockets-10.3
remote: -----> Discovering process types
remote:      Profile declares types -> web
remote:
remote: -----> Compressing...
remote:      Done: 22.6M
remote: -----> Launching...
remote:      Released v3
remote:      https://deviant-bybit-m15-221006.herokuapp.com/ deployed to Heroku
remote:
remote: Starting November 28th, 2022, free Heroku Dynos, free Heroku Postgres, and free Heroku Data for Redis® will no longer be available.
remote:
remote: If you have apps using any of these resources, you must upgrade to paid plans by this date to ensure your apps continue to run and to retain your data. For students, we will announce a new program by the end of September. Learn more at https://blog.heroku.com/next-chapter
remote:
remote: Verifying deploy... done.
To https://git.heroku.com/deviant-bybit-m15-221006.git
* [new branch]    main -> main

```

Copy the https address of your app which is in the form  
 https://name-of-your-bot.herokuapp.com/ (in the example above:  
 https://deviant-bybit-m15-221006.herokuapp.com ).

**The address of your webhook will be with webhook added at the end :**

https://name-of-your-bot.herokuapp.com/webhook

## 5. Setup an alert in Trading View and end it to Bybit via your app

In Visual Studio code, open the file *tradingview\_webhook\_payload\_format.txt* and change “YOUR PASSPHRASE” for the passphrase you have setup in the *bybitconfig.py* file.

```

Opal_Master-master > payloads > tradingview_webhook_payload_format.txt
1  {
2  //
3  "passphrase": "YOUR PASSPHRASE",
4  "time": "{{timenow}}",
5  "exchange": "{{exchange}}",
6  "ticker": "{{ticker}}",
7  "bar": {
8  "time": "{{time}}",
9  "open": {{open}},
10 "high": {{high}},
11 "low": {{low}},
12 "close": {{close}},
13 "volume": {{volume}}
14 },

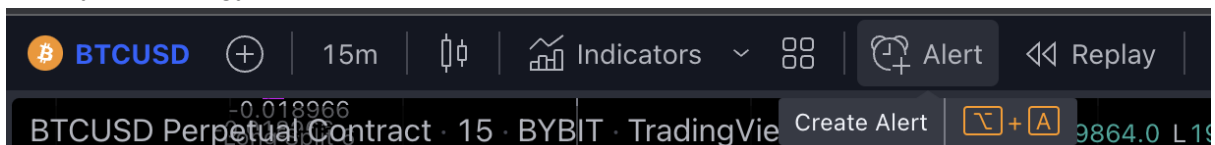
```

In Trading View, choose an asset on Bybit and a time frame.

Open deviant and setup your strategy. Make sure your strategy is correct using the strategy tester tool. We give suggestions of strategies preset to ALYA NFT holders in our discord:

<https://discord.gg/alyavalley>

Once your strategy is setup, create an alert :





## DISCLAIMER

ALYA does not host your API keys.

ALYA cannot interfere with your Trading View account, Heroku access and your broker. Alya team and associate will always be there to assist you in case of any issue.

All trades suggestions and ideas from Alya website, twitter, discord, youtube, including trade setups from our different algos and indicators, are given for educational purposes only. Over 95% of traders never win and actually lose money.

Trading is risky and there are NO guarantees that you will actually win the trade.

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