

Linking Deviant to Bybit via Heroku

What you will need:

- A **TradingView** account
Use our referral link to get a discount on your pro/premium subscription:
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 affiliate link to open a new account: <https://partner.bybit.com/b/alyavalley>
- A **Heroku** account to host your webhook app
www.heroku.com

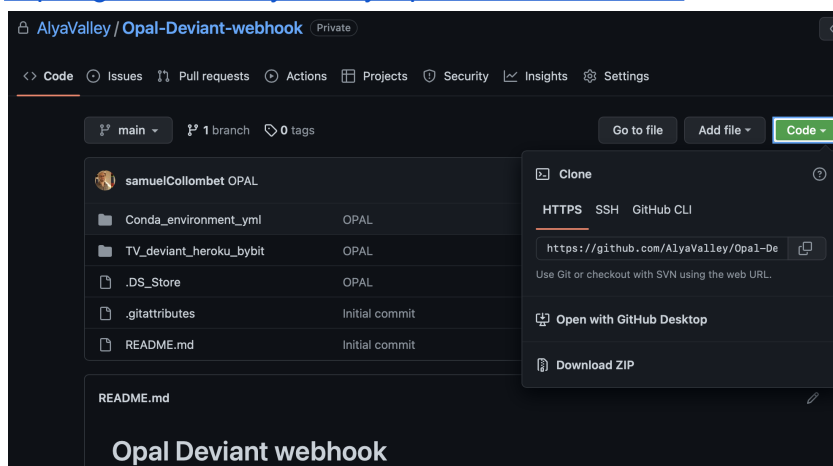
Programs to install:

- **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

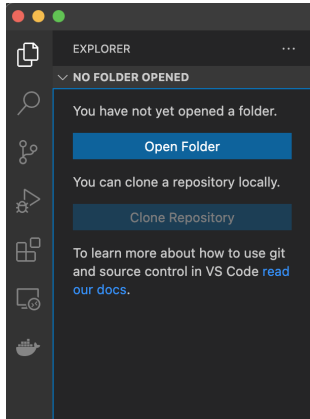
Download the code repository to create the Deviant webhooks from ALYA github:

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

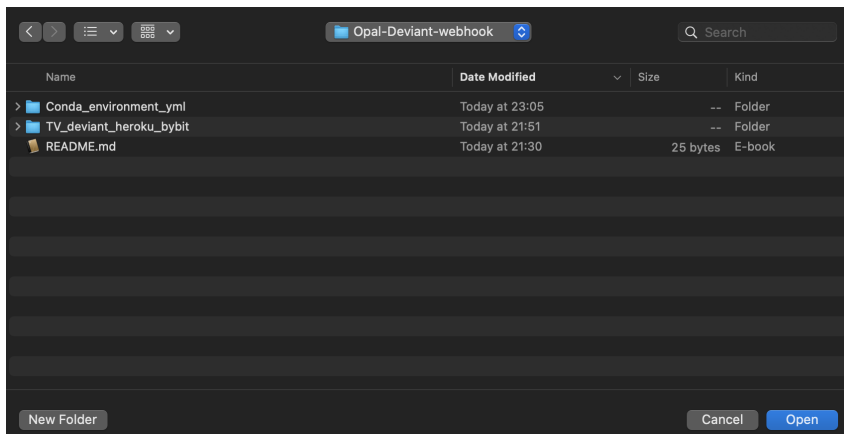


Click on Code, then either select Open with Github if you are familiar with git, or simply download the ZIP file.

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



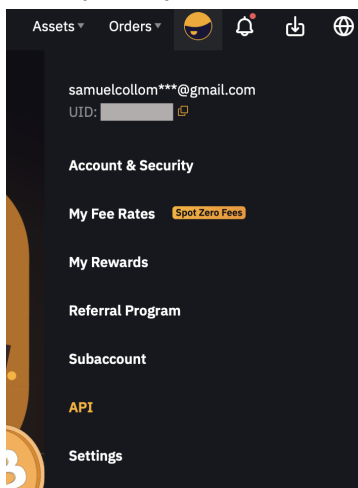
Go inside the folder *Opal_deviant_webhook* and click on open:



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

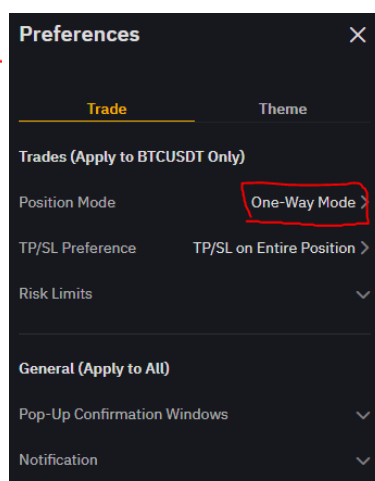
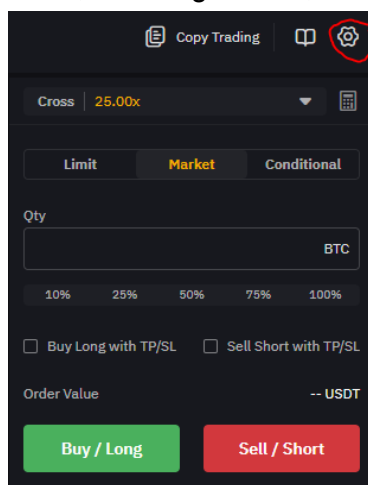
Write down your secret key and copy it.

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
```

IMPORTANT : setup for BTCUSDT on byBit

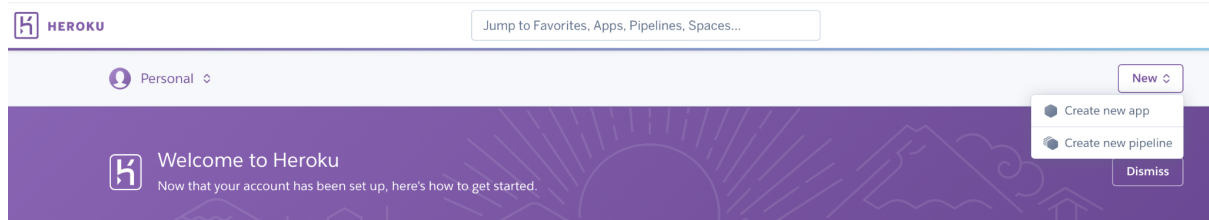
If you link deviant to byBit to for BTCUSDT, you need to make sure you are in one-way mode, not hedge mode, otherwise each alert will open 2 position - one short one long !!



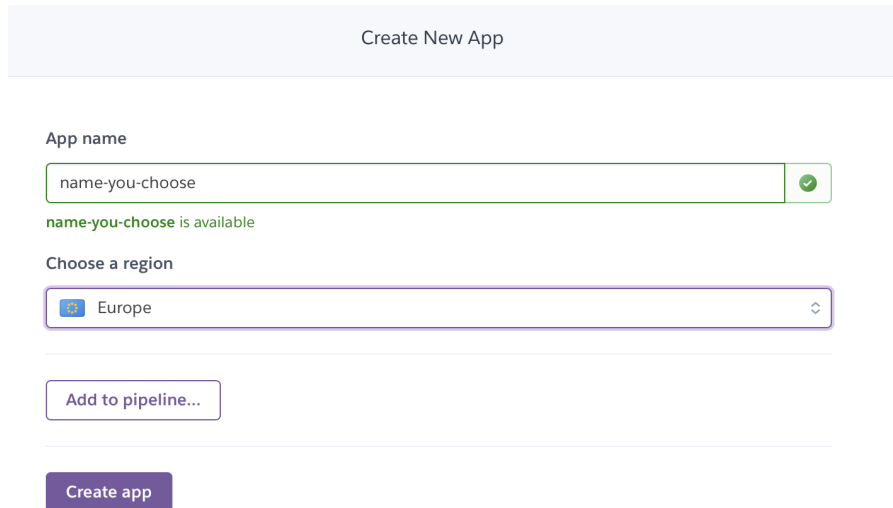
3. Heroku setup

Create an account on www.heroku.com

Click on New and create new app:

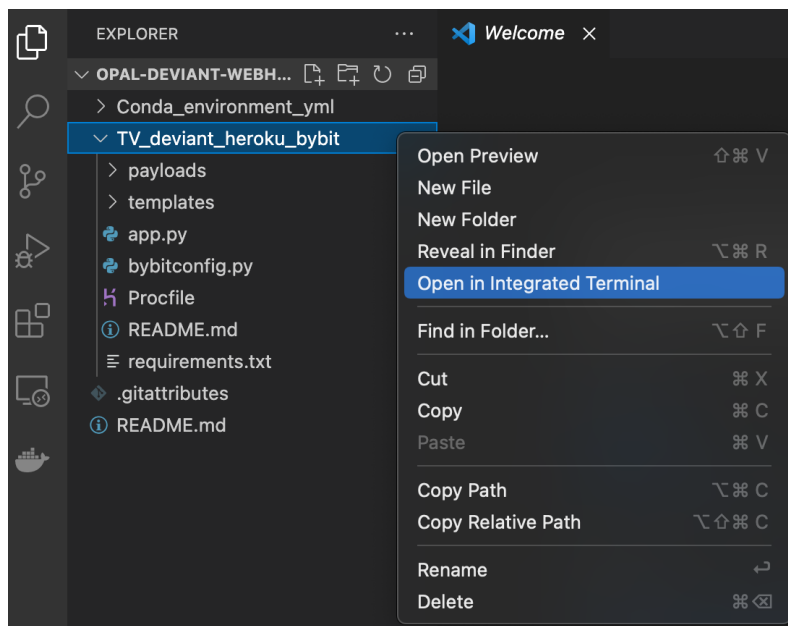


Choose a name and create your app:



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).

First let's check that git is properly installed:

```
git --version
```

You should get something like

```
Benoit@DESKTOP-ACBFNCF MINGW64 ~  
$ git --version  
git version 2.36.1.windows.1
```

If you get an error message there is probably a problem with your git installation.

If you have never used git before you will need to set your user name and email:

```
git config --global user.name "your user name"  
git config --global user.email youremail@mail.com
```

Then login in Heroku:

```
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:      Procfile declares types -> web  
remote:      -----> Compressing...  
remote:      Done: 22.6M  
remote:      -----> Launching...  
remote:      Released v3  
remote:      https://deviant-bybit-m15-221006.herokuapp.com/ deployed to Heroku  
remote:      Starting November 28th, 2022, free Heroku Dynos, free Heroku Postgres, and free Heroku Data for Redis® will no longer be available.  
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:      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 set up in the `bybitconfig.py` file.

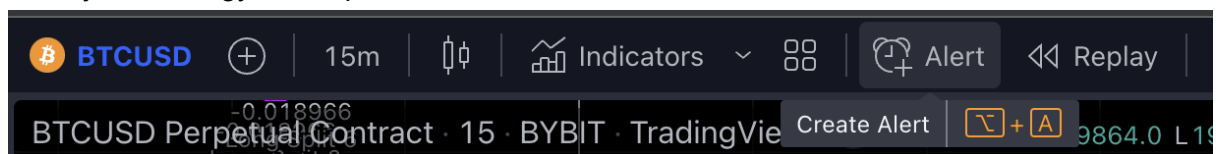
```
Opal_Master-master > payloads > tradingview_webhook_payload_format.txt
1  {
2    "passphrase": "YOUR PASSPHRASE",
3    "time": "{{time}}",
4    "exchange": "{{exchange}}",
5    "ticker": "{{ticker}}",
6    "bar": {
7      "time": "{{time}}",
8      "open": {{open}},
9      "high": {{high}},
10  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

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

Open deviant and set up 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 :



Create Alert on BTCUSD

Condition: *OPAL* - Dev... ?

Expiration time: 2022-12-01 12:00

☐ Open-ended

Alert actions:

- ☐ Notify on app
- ☐ Show pop-up
- ☒ Send email
- ☒ Webhook URL ?

Webhook URL: `https://deviant-bybit-m15-221006.herokuapp.com`

More actions

Alert name: deviant bybit m15

Message:

```
{
  "passphrase": "YOUR PASSPHRASE",
  "time": "{{time}}",
  "exchange": "{{exchange}}",
  "ticker": "{{ticker}}",
  "bar": {
    "time": "{{time}}",
    "open": {{open}},
    "high": {{high}},
    "low": {{low}},
    "close": {{close}},
    "volume": {{volume}}
  }
}
```

You can use special placeholders such as {{close}}, {{time}}, {{plot_0}}, etc. ?

In *Condition* select *OPAL deviant*, choose the alerts you want to receive.

Click *Webhook URL*, and copy the address of your heroku webhook (remember to add `/webhook` at the end of the address).

In *Message*, copy the content of the file `tradingview_webhook_payload_format.txt` (with your actual passphrase).

Click **Create**, and **VOILA** ! you have set up a webhook that will send deviant alerts to your heroku app, to bybit API which will automatically take the trades deviant finds.

WARNING:

Opal Deviant will always send Stop Loss, Entry and Take Profits signals from TradingView to your broker for every trade if your strategy is well managed.

<https://www.tradingview.com/x/N9QVZL0q/>

When you are looking to turn off a current trade from OPAL Deviant which is running on your broker (e.g. taking too long to close, not satisfy, you are content with your win etc.), you will need to manage the trade on your broker (adapt stop loss, exit market, changing limit order, ...).

BUT TradingView will keep sending alerts via the webhook and mess up your broker account, so you need to delete the alert of the specific strategy on your TradingView account to stop sending calls to your API key.

Then before turning back on the strategy with the alert, you will need to wait for Opal Deviant to be out of every position on the same strategy: no pending stop loss, entry, take profit and exit or that will send a new order to your broker.

Here we are out of a trade for ex:

<https://www.tradingview.com/x/eoVRd33o/>

We recommend you to turn off the algos during big economic news days and sessions when the volatility will increase when bigger boys are killing others' algos.

Soon we will release Opal Deviant for FTX.

You can use our link as well to get 5% reduced fees: <https://ftx.com/referrals#a=alyavalley>

DISCLAIMER

ALYA does not host your API keys.

ALYA cannot interfere with your TradingView account, Heroku access and your broker. Alya team and associates 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.

If you follow any setups, you do so at your own risk and take full responsibility for your actions. The information should not be construed as investment / trading advice and is not meant to be a solicitation or recommendation to buy, sell or hold any securities, Crypto or coins mentioned.

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Past performance is no guarantee of future results.

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