

TOR IP List RESTful API

.Introduction

This is a minimal implementation of a RESTful API using Flask and SQLite that fetches TOR IP addresses from two third-party APIs (<https://onionoo.torproject.org/> and <https://www.dan.me.uk/>) and sends it back to the user in a compiled list.

.Interface

Endpoints:

.GET - /fullList

-> returns a list containing all TOR IPs gathered

.POST - /ban_ip

-> lets the user send an IP address to a blacklisted IPs database following the format {'id' : '<ip address>'}

-> returns the total amount of blacklisted addresses

.GET - /validList

-> returns the same list as /fullList minus the blacklisted IPs

Exemple with Python:

```
import json
```

```
import requests
```

```
BASE = "http://localhost:5000/"
```

```
resp1 = (requests.get(BASE + "fullList")).json()
```

```
resp2 = (requests.post(BASE + "ban_ip", json = {'ip ': resp1[0]})).json()
```

```
resp3 = (requests.get(BASE + "validList")).json()
```

```
print("\nFULL LIST: ", len(resp1), "\n")  
print(*resp1[0:6], sep = '\n')
```

```
print("....\n\nBanned 1 more ip address... (" , resp2['data'],") total")
```

```
print("\n\nVALID ONLY LIST: ", len(resp3), "\n")  
print(*resp3[0:6], sep = '\n')
```

```
print("....\n\n")
```