Bitcoin Price Notification

**Aim**

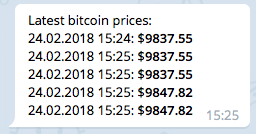
As we all know, the Bitcoin price is a fickle thing. You never really know where it’s going to be at the end of the day. So, instead of constantly checking various sites for the latest updates, let’s make a **Python app that runs as a command-line tool** to do the work for you.

Although many alternatives exist such as Firebase/Custom Web Sockets, we recommend using the popular automation website IFTTT. IFTTT (“if this, then that”) is a web service that bridges the gap between different apps and devices.

You will create two IFTTT applets:

1. One for emergency notification when Bitcoin price falls under a certain threshold
2. Another for regular Telegram updates on the Bitcoin price.

The output on your phone should be as shown below.



**Requirements**

Clarity of how to make requests in python(GET, POST) using the requests library, WebHooks(IFTTT) and python package manager(pip).

**Deliverables**

1. A 500-word report describing your approach/code to be uploaded on GitHub in the README.MD file of your repo that contains a modular code.
2. A working demo on your mobile/PC device showcasing how the tool works and sends notifications on your mobile giving a bitcoin price provided that it crosses a certain value. (Like send me a notification every time bitcoin crosses a price of say $10k/coin)**.**

**bitcoin-price-notifier -e 10000 -t 60 [-s destination] [-c currency] [-t coin\_type]**

**Recommended Approach**

Play around with the IFTTT notification service using your code and your mobile phone. Then, write code for periodically retrieving the bitcoin price. Create the IFTTT Applet for the whole service. Then wrap it up together as a service and deploy it on a server.

**Sample Code**

[**https://realpython.com/python-bitcoin-ifttt/**](https://realpython.com/python-bitcoin-ifttt/)

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