



ibapi 9.76.1

```
pip install ibapi
```



TRILHA PYTHON



[Latest version](#)

Released: Sep 3, 2019



Seja um investidor na bolsa de valores com Python

Dany Nazaré ;-D

Desenvolvedora Freelancer



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INTRODUÇÃO



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Algumas Modalidades

FOREX = "Troca de dinheiro entre Países"

Criptocurrencia = " Mercado de Moedas Digitais"

Mercado_de_Acoes = " Mercado de Ações"



INTRODUÇÃO



**Trader = "Profissional
do mercado Financeiro"**
Trader_BV = Brokers

#Trade
USD, BRL = 5.6, 1

#Trading
Import TWS

Ferramentas Trading



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Quandl



Quantopian



Alphalens

Backtrader



Pyfolio



Interactive
Brokers

API TWS - API



- <https://interactivebrokers.github.io/tws-api/introduction.html>

Interactive Brokers

"É uma plataforma corretora Financeira, bem conhecida no mercado, que tem a finalidade de fornecer um ambiente Trader para compra, venda e negociação de ativos."



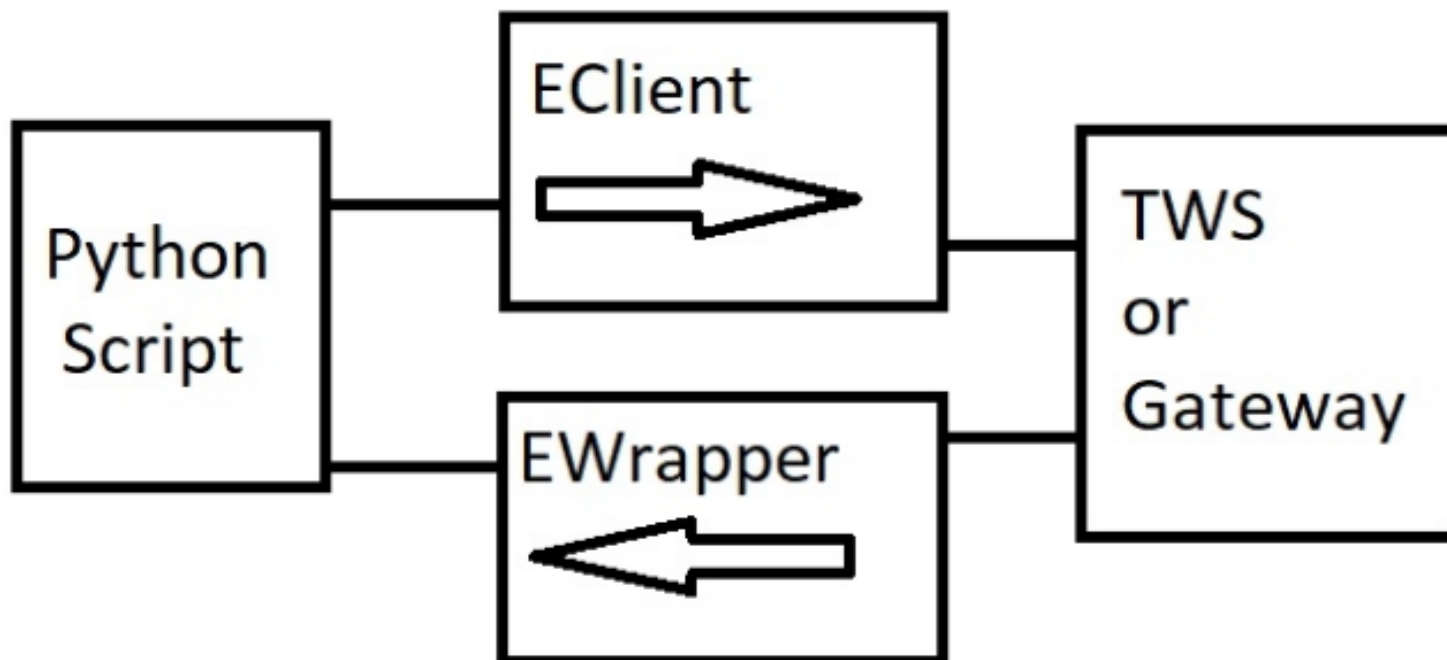
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**Interactive
Brokers**

API TWS - API

- Como Funciona a API em python



Conectando o Python com o TWS



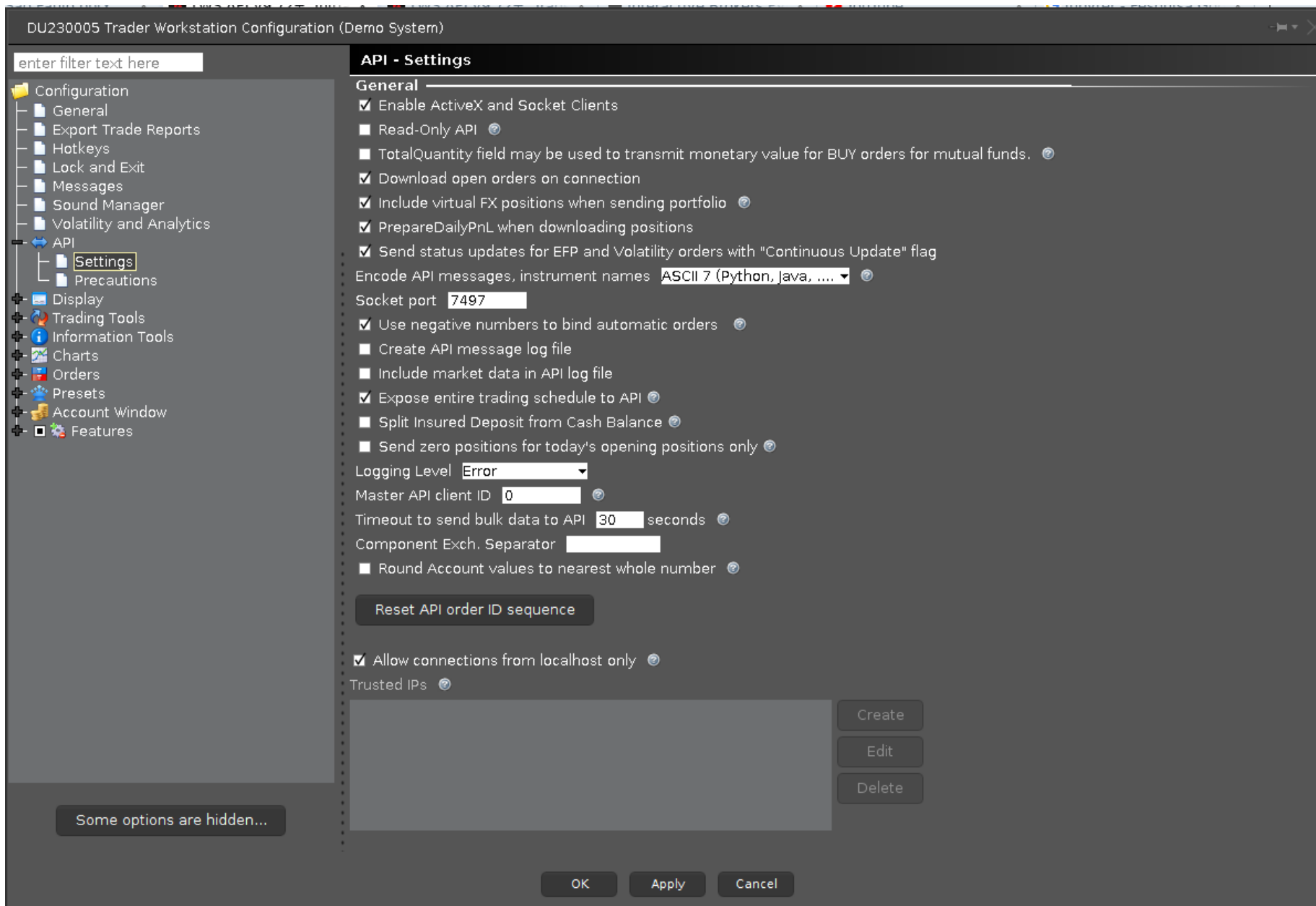
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Default Socket Ports



**Interactive
Brokers**

	Live	Demo
TWS	7496	7497
Gateway	4001	4002



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Conectando
o
Python com
o
TWS

Cuidado Na hora de testar no Jupyter Notebook



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Cuidado Com o Erro!



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ERROR:ibapi.reader:unhandled exception in EReader thread

Traceback (most recent call last):

File "/home/christian/third-party-code/IBJts/source/pythonclient/ibapi/reader.py", line 34, in run

data = self.conn.recvMsg()

File "/home/christian/third-party-code/IBJts/source/pythonclient/ibapi/connection.py", line 99, in recvMsg

buf = self._recvAllMsg()

File "/home/christian/third-party-code/IBJts/source/pythonclient/ibapi/connection.py", line 119, in _recvAllMsg

buf = self.socket.recv(4096)

OSError: [Errno 9] Bad file descriptor

Solução :-)



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Re: WinError 10038 socket error when setting EClient.done = True or calling EClient.disconnect()



Ewald de Wit

Sure. The yellow part has been added to connection.py:

```
def recvMsg(self):
    if not self.isConnected():
        logger.debug("recvMsg attempted while not connected, releasing lock")
        return b""
    try:
        buf = self._recvAllMsg()
        # receiving 0 bytes outside a timeout means the connection is either
        # closed or broken
        if len(buf) == 0:
            logger.debug("socket either closed or broken, disconnecting")
            self.disconnect()
        except socket.timeout:
            logger.debug("socket timeout from recvMsg %s", sys.exc_info())
            buf = b""
            except socket.error:
                logger.debug("socket broken, disconnecting")
                self.disconnect()
                buf = b""
        else:
            pass
```

-- Ewald

<https://groups.io/g/twsapi/message/42580>

Vamos Codar - Jupyter



jupyter Untitled Last Checkpoint: em 3 horas (unsaved changes)



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```
In [2]: print('Partiu!')
```

```
Partiu!
```

```
In [ ]:
```



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Referências

1. <https://www.youtube.com/watch?v=TuDRGYpEWjk>
2. https://www.youtube.com/watch?v=R3djGUP_cu8
3. <https://analyzingalpha.com/python-trading-tools>
4. <https://algotrading101.com/learn/interactive-brokers-python-api-native-guide/>
5. <https://api.lynx.academy/>
6. <https://interactivebrokers.github.io/tws-api/introduction.html>



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Contribua com o Open! Seja Source!





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Muito Obrigada ;-) !