IBridgePy Error FAQs

Contents

Additional troubleshooting: https://ibridgepy.com/

I am not able to download IBridgePy, the link is taking me to the 404 page. Can you please help me how to do this?

Please use this link to download IBridgePy. You will also have to make an account to access the files.

When I want to run the RUN_ME.py on Spyder it gives me a different language, why so?
Something like: strategies/PK×¯ ÐÙ #ÛíW üà4YjÌµ½Z~Ø¨pÖÑòa§;íïTOýõ#OvÔCP`ØK RäÇ äwTuc]

You need to unzip the zip file you downloaded from Download – Easiest Python Platform to Backtest and Live Trade first, before you access it on Spyder.

I am getting the following error:
"from IBridgePy import IBCpp"
"ImportError: DLL load failed: The specified module could not be found."
What should I do?

The error will show up if the downloaded IBridgePy version does not match the Python in your system. The other reason for the error is that there are multiple Python versions installed on your system. The solution is to uninstall unmatched Python from your system.

Solution steps:

1. Check if the correct IBridgePy version has been downloaded. (It solves most of the issues)
2. Make sure that Anaconda is used if you are using Windows.
3. Check if multiple Python versions have been installed. If yes, uninstall the unused Python version. Or, execute RUN_ME.py using the correct Python.
4. You can execute RUN_ME.py on Spyder using a different version of Python by going to:
   a. Tools → Preferences → Python interpreter → Setting the path of the required Python interpreter
   b. You can also do this by creating a new environment on Anaconda with the required Python version, and then run Spyder or Jupyter using this.

I am getting the following error message:

"errorMessage=Unable to connect as the client id is already in use. Retry with a unique client id."

This is a known issue in the recent release from IB API. Whenever you start the TWS, the client id is assigned and on ending the code, the client id is still active. Thus, next time you run the code you will face the error message that the client id is already in use. When a fix is released by IB in IB API, this issue will be permanently solved.

Meanwhile, you can restart the kernel before running the code again. And when restarted, a new client id will be used and thus solve the issue.

A video guide on this can be accessed from here: <u>Trading with Interactive Broker using Python: Unable connect as the client id is already in use.</u>

I am getting the following error:

ImportError: Module use of python37.dll conflicts with this version of Python

Make sure that you have downloaded the correct version of IBridgePy from the website. This version should be in line with the version of Python your Spyder environment uses. If not, there will be a conflict.

How do I know that a client running Sypder is able to connect to the server on IB TWS/ Gateway?

When after running RUN_ME.py you get an account summary similar to the following:

IBridgePy version 9.1.4

fileName = example_show_positions.py

Starting to initialize trader

ACCOUNT Balance DU229341

broker_service_factory.BrokerService_callback::_get_account_info_one_tag: EXIT, no value based on accountCode=DU229341 tag=TotalCashValue

active accountCode is ['DU229341', 'DU229347']

This shows that the connection to the broker is successful.

I am getting the following encoding error while running RUN_ME.py on Spyder while using the demo account:

"UnicodeDecodeError: 'charmap' codec can't decode byte 0x9d in position 1035: character maps to <undefined>"

You can add encoding="utf8", highlighted below in line number 83 of the configuration.py file. This file is located at: C:\Users\...\IBridgePy_Win_Anacondaxx_yy\configuration.py

```
with open(os.path.join(os.getcwd(), 'Strategies', fileName), encoding="utf8") as f:
    script = f.read()
```

I am trying to download the pricing data for backtesting purposes from Interactive Brokers following the IBridgePy course, the Interactive brokers' platform is throwing an error message:

IBridgePy version 5.2.3
fileName = example_get_historical_data.py
Starting to initialize trader
...
Initialize trader COMPLETED
Historical Data of STK,SPY,USD

broker_client_factory.CallBacks:errorId=13 errorCode=162 errorMessage=Historical Market Data Service error message:No market data permissions for AMEX STK
broker_client_factory.CallBacks:EXIT IBridgePy version = 5.2.3
An exception has occurred, use %tb to see the full traceback.

If you are using a demo account while fetching the data, then you will not have access to all the tickers. Your access will be limited to Forex pairs mostly. In such a case, try the below code to fetch the data.

```
import pandas as pd
import datetime as dt

def initialize(context):
    context.run_once=False
    context.security=symbol('CASH,EUR,USD')

def handle_data(context, data):
    sTime=get_datetime()
    print(sTime)
    data=request_historical_data(context.security, '1 min', '1000 S')
    print(data.head())
    end()
```

How do you retrieve information regarding any IB contract and symbol?

To get the information regarding any IB contract or symbol, you can visit here. The syntax of the superSymbol function:

superSymbol(secType=None, symbol=None, currency='USD', exchange='', primaryExchange='', expiry='', strike=0.0, right='', multiplier='', includeExpired=False, conId=0, localSymbol='')

Example: For Australian futures SPI, the code can be as follows:

superSymbol(secType='FUT', symbol='SPI', currency='AUD', exchange='SNFE', primaryExchange='SNFE', multiplier='25', expiry='20200917')

When I run RUN_ME I have this error:

UnicodeDecodeError: 'utf-8' codec can't decode byte 0xf3 in position 36: invalid continuation byte

You can check the following youtube link: https://youtu.be/xsxY0-hiWdM for a detailed explanation.

I am getting the following error:

"broker_client_factory.CallBacks:errorId=-1 errorCode=977 errorMessage=Please download the latest version of IBridgePy at www.IBridgePy.com"

This error message may arise if you are using an older version of IBridgePy. To fix this error, you should download the latest version of IBridgePy.

I am getting the following error:

"ImportError: dlopen(/Users/../IBridgePy_Mac_Python39_64/IBridgePy/IBCpp.so, 2): no suitable image found. Did find: /Users/../IBridgePy_Mac_Python39_64/IBridgePy/IBCpp.so: mach-o, but wrong architecture /Users/../IBridgePy_Mac_Python39_64/IBridgePy/IBCpp.so: mach-o, but wrong architecture"

Such errors may arise due to a conflict between the 32-bit and 64-bit dual-chips in some computers. You can try installing the 64-bit Python in your system and see if that resolves the error. If not, you can refer to this link where solutions for similar problems are discussed.

**I am getting the following error:**
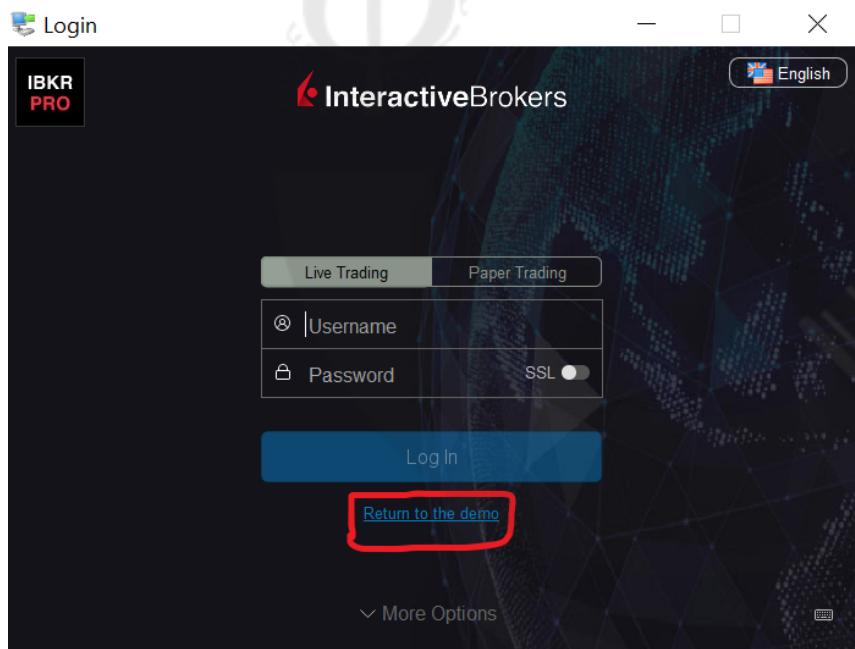
"errorCode=502 errorMessage=Couldn't connect to TWS. Confirm that "Enable ActiveX and Socket Clients" is enabled on the TWS "Configure->API" menu."

Make sure to enable ActiveX and Socket Clients in the API Settings located in Global Configuration. And change the socket port (7496 for paper trade, 7497 for live trade).
If this error persists, try re-installing the IB TWS application with the compatible versions of Python and IBridgePy.
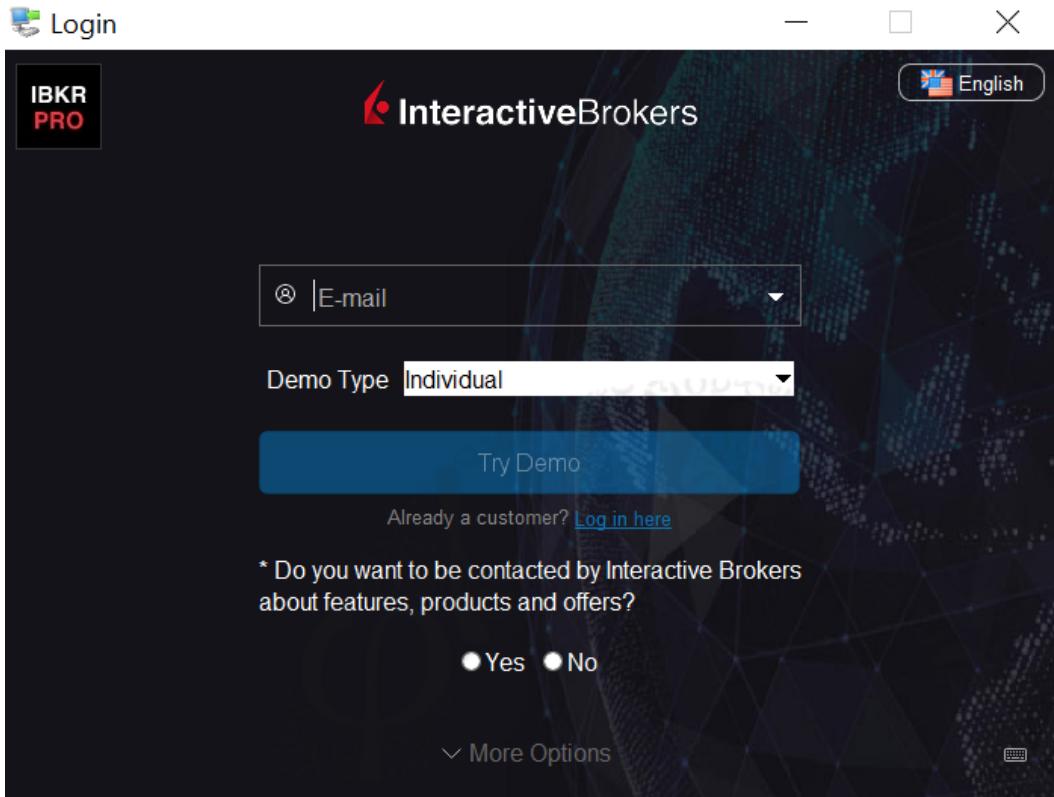
I want to use my account only for paper trading. How can I do that?
You can use the IB Demo account. There is a link at the bottom of the log-in screen saying, "Return to the demo" Click the link.

It requires only your email id to get you started.

Note: You do not have to share any confidential information, such as a screenshot of the password, to any platform.

I am not getting connected to the IB broker.
I get the following error:

File "D:\IB_Historical_Data\IBridgePy_Win_Anaconda38_64\broker_client_factory\BrokerClient.py", line 351, in request_data
  raise RuntimeError('%s server did not response to the request at all. Maybe the market is closed?

Consider trying it later.' % (self.name,))
IB RuntimeError: IB server did not response to the request at all. Maybe the market is closed? Consider trying it later.

Have you ever gotten connected to IB and seen your account information using IBridgePy? If yes, it means that the connection between your computer and IB server was not stable. You might need to check your firewalls to see what blocks the communication at the moment, or it could be a temporary connection issue in your local network.

If not, it means that the connectivity is permanently blocked in your computer for unknown reasons. You can open IB TWS and see if you can see any errors. As a last resort, you can call an IB technical representative for help. They will ask you to provide the IB log for debugging purposes.

What is the requirement of Python packages for IBridgePY?

There are no such specific requirements for the Spyder version or Python packages. The only thing required is the latest versions of IB and IBridgePy compatible with your Python version.